DRAFT ENVIRONMENTAL IMPACT REPORT

Harmon Ranch Specific Plan Project

State Clearinghouse No. 2023020009

EIR No. EA 23-0001

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
2017 Scoping Plan	California's 2017 Climate Change Scoping Plan
AB	Assembly Bill
ADT	average daily traffic
AERMOD	American Meteorological Society/EPA Regulatory Model
amsl	above mean seal level
APE	area of potential effect
APN	Assessor's Parcel Number
ATCM	Airborne Toxic Control Measure
Basin Plan	Water Quality Control Plan for the San Diego Basin
Berglund WTP	Lester J. Berglund Water Treatment Plant
bgs	below the ground surface
BMP	best management practice
CAA	federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAL FIRE	California Department of Forestry and Fire Protection
Cal/OSHA	California Occupational Safety and Health Administration
CalARP	California Accidental Release Prevention
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAP	climate action plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERT	Community Emergency Response Team
CFC	California Fire Code
CGS	California Geological Survey
CH_4	methane
City	City of Poway
CMP	Congestion Management Program
CNEL	community noise equivalent level
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of San Diego
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources

Acronym/Abbreviation	Definition
CRPR	California Rare Plant Rank
dB	decibel
dBA	A-weighted decibel
DEH	County of San Diego Department of Environmental Health
Delta	Sacramento–San Joaquin River Delta
DPM	diesel particulate matter
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EI	expansion index
EIR	environmental impact report
EISA	Energy Independence and Security Act of 2007
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ERR	Escondido Resource Recovery
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FT	Federal Transit Administration
General Plan	Poway Comprehensive Plan: General Plan
GHG	greenhouse gas
gpd	gallons per day
gpm	gallons per minute
GWP	global warming potential
HCFC	hydrochlorofluorocarbon
HERO	Human and Ecological Risk Office
HFC	hydrofluorocarbon
HRA	health risk assessment
IFC	International Fire Code
IPCC	Intergovernmental Panel on Climate Change
ips	inches per second
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
JRMP	Jurisdictional Runoff Management Program
kBTU	thousand British thermal units
kWh	kilowatt-hours
L_{dn}	day–night average noise level
L_{eq}	equivalent noise level over a given period
L_{max}	greatest sound level measured during a designated time interval or event
L_n	statistical sound level
LOS	level of service
LTPP	Long-Term Procurement Plan
LUST	leaking underground storage tank
MBTA	Migratory Bird Treaty Act
mgd	million gallons per day
MHCP	Multiple Habitat Conservation Program
MMU	minimum mapping unit
MRZ	Mineral Resource Zone

Acronym/Abbreviation	Definition
MS4	Municipal Separate Storm Sewer Systems
MSL	mean sea level
MT	metric ton
MTS	San Diego Metropolitan Transit System
MWD	Metropolitan Water District of Southern California
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCWRP	North City Water Reclamation Plant
NFPA	National Fire Protection Association
NHTSA	National Highway Traffic Safety Administration
NO_2	nitrogen dioxide
NOP	Notice of Preparation
NO_x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Governor's Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PDP	priority development project
PFC	perfluorocarbon
PFD	City of Poway Fire Department
PLWTP	Point Loma Wastewater Treatment Plant
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PMC	Poway Municipal Code
Poway Subarea HCP/NCCP	Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan
ppm	parts per million
PPV	peak particle velocity
PRPA	Paleontological Resources Protection Act
PUSD	Poway Unified School District
PVGB	Poway Valley Groundwater Basin
RACM	Reasonably Available Control Measures
RACT	Reasonably Available Control Technology
RAQS	Regional Air Quality Strategy
RCNM	Roadway Construction Noise Model
RCP	reinforced concrete pipe
RCRA	Resource Conservation and Recovery
REC	recognized environmental condition
Regional Plan	San Diego Forward: The Regional Plan
RFS	Renewable Fuel Standard
RHNA	Regional Housing Needs Assessment
RHNA Plan	6th Cycle RHNA Plan
RPS	Renewables Portfolio Standard
RSL	Regional Screening Level

Acronym/Abbreviation	Definition
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAFE	Safer Affordable Fuel-Efficient
SANDAG	San Diego Association of Governments
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
Scoping Plan	Climate Change Scoping Plan: A Framework for Change
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDCWA	San Diego County Water Authority
SDG&E	San Diego Gas & Electric
SDNHM	San Diego Natural History Museum
SF_6	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SIP	State Implementation Plan
SO_2	sulfur dioxide
SoCalGas	Southern California Gas
SO_x	sulfur oxides
Specific Plan	Harmon Ranch Specific Plan
SR	State Route
ST	short-term noise measurement location
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TMDL	total maximum daily load
USACE	U.S. Army Corps of Engineers
UWMP	Urban Water Management Plan
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
VOC	volatile organic compound
WMA	Watershed Management Area
WQIP	Water Quality Improvement Plan
ZEV	zero emissions vehicle
Zoning Ordinance	City of Poway Zoning Ordinance

1 Executive Summary

1.1 Description

The Harmon Ranch project (proposed project) consists of approximately 11.5 acres and includes a total of 63 new single-family homes, associated site improvements, and retention of the existing historic home (see Figure 1-1, Site Plan). The project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

The proposed project includes the adoption of the Harmon Ranch Specific Plan (Specific Plan) for the proposed project (Appendix Q), the purpose of which is to develop a link between implementing policies of the Poway Comprehensive Plan: General Plan (General Plan) (City of Poway 1991) and the individual development proposals in a defined area. As required by Government Code Section 65450 et seq. The Specific Plan contains land uses and development regulations that plans to serve regional housing needs through infrastructure requirements, including single-family housing; provide for new public open space area, proximity to jobs and services, and school district rating, through implementation measures for the development of a specific geographic area—in this instance, that area is referred to as the project site or Specific Plan area. The proposed project seeks to implement the recommendations of the proposed Specific Plan.

The new land uses proposed by the Specific Plan include two open space districts. Parcels designated as open space would be permanently preserved as open space through deed restriction, and other non-preserved open space parcels would allow for limited passive and active uses. One residential land use is also proposed. The proposed land uses are described below and outlined in detail in Chapter 3 of this environmental impact report (EIR) and Appendix Q of this EIR:

- ***Open Space (OS)*** is designed to permanently conserve the on-site open space areas that contain sensitive biological and/or cultural resources. These areas would not be impacted by development of the project and remain as natural open space areas.
- ***Open Space – Recreation (OS-R)*** is intended to provide passive and active recreational opportunities and open landscaped areas to support the new residential uses and manufactured slopes within the Specific Plan Area. Recreation amenities shall be provided to that support healthy and active lifestyles and encourage community interaction and engagement.
- ***Residential Single Family (R-S)*** consists of traditional single-family homes plotted on deeded legal lots.

Specific Plan and Zone Reclassification

The existing General Plan Land Use and Zoning Map designates the entire project site as “Residential Single-Family 7 (RS-7)” (City of Poway 1991). A General Plan amendment and zone change would be processed concurrently with the Specific Plan to designate the project site as “Planned Community (PC).” The amendment consists of both a map amendment and a zoning text amendment. In addition, a new section would be added to the Zoning Ordinance that briefly describes the Harmon Ranch Planned Community. This designation and zoning would be consistent with other specific plan areas throughout the City.

Tentative Subdivision Map

The proposed project includes a tentative subdivision map. The map depicts the grading and drainage, individual residential lots, common ownership lots, public streets, private streets, and infrastructure improvements. The map would be submitted concurrently with the Specific Plan. One or more final subdivision map(s) would be recorded.

Project Approvals

Approvals required to implement the proposed project include (1) a General Plan Amendment, (2) a Zone Change to Planned Community (PC) Zone, (3) a Specific Plan, (4) a Tentative Subdivision Map, (5) a Development Review Permit, and (6) an EIR.

Location

The project site is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road. The project site consists of approximately 11.5 acres and is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. 1-2, Project Site Vicinity and Aerial Map, depicts an aerial view of the project site vicinity. Figure 1-2, Project Site Vicinity and Aerial Map, depicts an aerial view of the project site and vicinity.

Setting

Currently, the project site consists of approximately 9 acres of disturbed land bisected by existing Oak Knoll Road. The majority of the site was previously utilized as a storage/staging area for San Diego Gas & Electric Company. Additionally, there are four existing homes within the project site. These homes were constructed between 1946 and 1957, and three of these homes would be demolished as part of the project. More detailed descriptions regarding specific environmental conditions are found at the beginning of each section in Chapter 4, Environmental Analysis.

Regionally, the City is situated near the middle of the County, approximately 20 miles north of downtown San Diego via Interstate 15. The project site is approximately 2.5 miles east of Interstate 15. Interstate 15 runs generally parallel to the City's western border and provides connections to San Diego and Riverside Counties.

Surrounding land uses include mixed use retail land uses and the Kumeyaay Ipai Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south, existing single-family homes to the east and multi-family apartment communities to the west.

1.2 Summary of Significant Effects and Mitigation Measures that Reduce or Avoid the Significant Impacts

Table 1-1, Summary of Significant Effects and Mitigation Measures, provides a summary of impact analysis, mitigation, and level of significance of impact after mitigation for each issue area. Chapter 4 of this EIR contains the analyses of all issue areas and includes proposed mitigation measures for identified impacts. As discussed in this EIR, implementation of the proposed project would result in significant impacts to air quality, biological resources, cultural and tribal resources, geology and soils, noise, and transportation. However, all significant impacts would all be mitigated to less-than-significant levels, with the exception of transportation. As discussed

in Section 4.15, Transportation, of this EIR, the proposed project would result in significant and unavoidable impacts related to vehicle miles traveled (VMT).

1.3 Areas of Controversy

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023, and a scoping meeting held on Thursday, February 16, 2023, at the City of Poway City Council Chambers located at 13325 Civic Center Drive, Poway. The NOP and Public Scoping comments are provided in Appendix A of this EIR. Areas of controversy raised in the NOP public comment letters include the following:

- Aesthetics
- Air Quality
- Biological Resources
- Historic, Cultural and Tribal Cultural Resources
- Greenhouse Gas Emissions
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Utilities and Service Systems
- Wildfires

1.4 Issues to be Resolved by the Decision-Making Body

An EIR is an information document, used to inform the decision makers and the public of the environmental effects of a given project. The EIR includes discussion and inclusion of mitigation measures to reduce environmental impacts. The decision-making body must decide whether or how to mitigate significant impacts. The EIR includes a reasonable range of alternatives that might reduce significant impacts while still attaining some of the project's objectives. The decision makers must determine if any of these alternatives could substantially reduce significant impacts and still meet project objectives.

1.5 Project Alternatives

Three alternatives have been developed over time as the proposed project has evolved with agency meetings and input:

- No Project/No Development Alternative
- Existing Zoning Alternative
- Density Bonus Alternative

These alternatives are discussed below in this order, as some evolved from the analysis of prior alternatives. All of these alternatives are analyzed in detail within Chapter 6, Alternatives, of this EIR. While some of these would avoid or reduce the proposed project's impacts, they do not meet most of the proposed project's objectives.

No Project/No Development Alternative

The California Environmental Quality Act (CEQA) requires an evaluation of the "No Project" alternative so that decision makers can compare the impacts of approving the proposed project with the impacts of not approving it (California Public Resources Code, Section 21000 et seq.). According to CEQA Guidelines Section 15126.6(e), the No

Project Alternative must include the assumption that conditions at the time of the NOP (i.e., baseline environmental conditions) would not be changed since the proposed project would not be implemented.

The No Project/No Development Alternative assumes that the proposed project would not be developed, which means there would be no residential, recreational, trail, and other community and conservation uses developed on site. Traffic improvements would not be constructed. None of the proposed project site would be permanently preserved as open space. In its existing condition, the site would remain as an undeveloped dirt lot with the four existing residences.

The No Project/No Development Alternative is compared to the proposed project as though it would remain in its existing condition; however, as noted under CEQA, the existing site, a primarily vacant dirt lot, retains underlying General Plan land use designations and zoning. Thus, development of the existing site, consistent with available infrastructure and services, is a reasonably expected occurrence in the foreseeable future, even if the proposed project were not approved.

Existing Zoning Alternative

The Existing Zoning Alternative would have the project site retain its original zoning designation, Residential Single Family 7 (RS-7), instead of changing its zoning to Planned Community (PC). RS-7 zones in the City of Poway permit single-family homes on a minimum of 4,500-square-foot lots and a maximum density of 8 dwelling units per acre (City of Poway 1991). Since the residential project area is 7.26 acres, that means that the project site could have a maximum of 58 housing units, five fewer than the proposed project's goal of 63 units. Although fewer units would be developed, the footprint of disturbance to construct the reduced number of residences would be roughly the same as the proposed project, since the lot sizes would be larger.

Density Bonus Alternative

Under the Density Bonus Alternative, the project site would be developed with up to 92 lots utilizing the state's density Bonus Program. Four (4) of the proposed 92 units under this Alternative would be designated as very low-income units. The 92 units would be single-family homes, with internal circulation and approximately 4,500 square feet of open space recreation area. This Alternative would use the allowed Density Bonus concession request to reduce the zoned minimum lot sizes for the site from 4,500 square feet to 2,400 square feet.

A developer may acquire the right to develop at a specific density under State of California Density Bonus Law (Government Code Sections 65915–65918). The State of California's Density Bonus Law was established to promote the construction of affordable housing units and allows projects to exceed the maximum designated density and to use development standard waivers, reductions or incentives and concessions in exchange for providing affordable housing units in compliance with all current density bonus regulations. The City is required to implement these state requirements. The project proposes 63 total single-family homes, which is fewer than the 92 allowed under the density bonus.

With approval of the Density Bonus, the City may not legally require a reduced number of units the applicant is permitted to construct below the 92 single-family units proposed under this Alternative. This Alternative would provide affordable housing on site to help satisfy the state and City's current and future demand for housing.

1.6 Environmentally Superior Alternative

As shown in Table 6-1 (see Chapter 6 of this EIR), implementation of the No Project/No Development Alternative would result in the greatest reduction in significant impacts when compared to the proposed project. Because the No Project/No Development Alternative would result in the least amount of impacts to the environment, it would be the environmentally superior alternative. However, Section 15126.6(e)(2) of the CEQA Guidelines states that if the environmentally superior alternative is the "No Project" alternative, the EIR also must identify an environmentally superior alternative among the other alternatives.

Among the other alternatives, not including the proposed project, the Existing Zoning Alternative would be considered the environmentally superior alternative because it would potentially provide a reduced level of impact in some environmental analysis areas including air quality, noise, and transportation as a result of the slightly reduced unit count. However, under this alternative, impacts to air quality, biological resources, cultural/tribal cultural resources, geology and soils, and noise would still remain as less than significant with mitigation incorporated, similar to the proposed project. The Existing Zoning Alternative is assumed to cover the same development footprint as the proposed project but would result in a slightly decreased unit count and population count on site. Because the Existing Zoning Alternative would cover the same development footprint as the project, impacts to biological resources, cultural/tribal cultural resources, and geology and soils would remain the same as the proposed project and mitigation measures would still be required to mitigate impacts to these environmental resources. Furthermore, due to the project site being located in an urban setting and the limited options available to mitigate VMT impacts for residential projects, the Existing Zoning Alternative would still result in a significant and unavoidable transportation impact due to VMT.

Similar to the proposed project, under this Alternative, a request for Density Bonus would not be applied, as no affordable housing would be proposed, and the applicant would be required to pay a fee in-lieu of providing inclusionary/low-income housing. While this alternative would develop infill housing in an urbanized area and assist the City to implement its housing goals, it would implement less housing compared to the proposed project and less efficiently promote infill development.

The Existing Zoning Alternative would meet all proposed project objectives; however, it would not substantially reduce or avoid significant environmental impacts under the proposed project. Nevertheless, because this alternative would slightly reduce potentially significant impacts in comparison to the project, this alternative is considered the environmentally superior alternative.

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
Air Quality				
AQ-1	The proposed project would result in DPM emissions during construction.	MM-AQ-1	During project construction, the City of Poway shall ensure that the project contractor adheres to the following measures to reduce diesel particulate emissions, including, but not limited to: a. All construction equipment greater than 50 horsepower shall be equipped with Tier 4 Interim diesel engines or better. Engines less than 50 horsepower shall be powered by electricity or natural gas (or other alternative fuel). b. The engine size of construction equipment shall be the minimum size suitable for the required job. c. The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest number is operating at any one time. d. Construction equipment shall be maintained in tune per the manufacturer's specifications. e. The prime contractor will provide the City of Poway verification of equipment type used during construction.	Less-than-Significant Impact
Biological Resources				
BIO-1	The proposed project has the potential to result in direct impacts to potentially occurring special-status species.	MM-BIO-1	Staking and silt fencing shall be installed along the entire perimeter of the construction footprint/area proposed for grading. Additionally, pre-construction environmental awareness educational meetings for the team and crews, as well and biological monitoring during vegetation clearing and grading activities, shall occur. Construction/contractor personnel shall complete a Workers Environmental Awareness Program to ensure compliance with environmental/ permit regulations and mitigation measures. Construction-limits staking and	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
			biological monitoring shall prevent inadvertent impacts to special-status vegetation or potential special-status wildlife species and their habitat.	
		MM-BIO-3	In accordance with the Migratory Bird Treaty Act of 1918 and Section 3503.5 of the California Fish and Game Code, to avoid any direct impacts to raptors and/or any native/migratory birds, removal of habitat that supports active nests in the proposed project site should occur outside of the breeding season for these species (February 1 to September 15). If removal of habitat in the proposed area of disturbance must occur during the breeding season, a qualified biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds in the proposed area of disturbance. The pre-construction survey shall be conducted not more than 72 hours prior to the start of construction activities (including removal of vegetation). If any active nests are detected, the area will be flagged and mapped on the construction plans along with a 300- to 500-foot (for raptors) avoidance buffer, and will be avoided until the nesting cycle is complete or it is determined that the nest has failed. Noise monitoring may also be required. The final buffer will be determined by the biologist(s).	
BIO-2	Special-status wildlife may be indirectly affected during project construction.	MM-BIO-4	Prior to construction permit issuance, grading and building plans shall specify the following: ▪ Employees shall strictly limit their activities, vehicles, equipment, and construction materials to the fenced project footprint. ▪ To avoid attracting predators, the project site shall be kept as clean of debris as possible. All food related trash items shall be enclosed in sealed containers and regularly removed from the site. ▪ Any lighting installed for project construction should be faced away from riparian and wetland habitat.	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		▪ Appropriate dust control measures (water trucks) should be implemented to reduce the amount of fugitive dust created by the project. ▪ Pets of project personnel shall not be allowed on the project site. **MM-BIO-5** All construction activity adjacent to wetland habitat areas shall be required to adhere to measures outlined in the Poway General Plan and Poway Grading Ordinance to avoid degradation to wetland and riparian habitat from erosion. These measures include restrictions on the timing and amount of grading. For example, grading shall be prohibited during the rainy season (October 1st through April 15th) without an approved erosion control plan and program in place. Grading or vegetation removal shall be prohibited adjacent to wetland areas during the rainy season unless determined to be allowable on a site-specific basis with the provision of all necessary erosion control devices, which must be in place and maintained throughout the grading period.	
BIO-3	The proposed project could result in potential indirect impacts, including noise, lighting, and increased human presence and vehicle traffic within the site that could significantly affect nesting birds.	**MM-BIO-3 (see mitigation measure outlined above)**	Less-than-Significant Impact
BIO-4	The proposed project would result in impacts to sensitive habitats	**MM-BIO-1 (see mitigation measure outlined above)** **MM-BIO-2** Prior to construction permit issuance, grading and building plans shall ensure that the wetland and riparian area is protected with on-site construction fencing. The construction fencing shall be portrayed on the construction plans. The construction plans shall specify that construction fencing shall be maintained for the entire duration of construction activity until the permanent, outer wall	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		proposed for the new development has been constructed, protecting the adjacent riparian and wetland habitats. **MM-BIO-4 (see mitigation measure outlined above)** **MM-BIO-5 (see mitigation measure outlined above)**	
BIO-5	Indirect impacts to the wetland and riparian habitat could potentially occur as a result of the proposed project.	**MM-BIO-1 (see mitigation measure outlined above)** **MM-BIO-2 (see mitigation measure outlined above)** **MM-BIO-4 (see mitigation measure outlined above)** **MM-BIO-5 (see mitigation measure outlined above)**	Less-than-Significant Impact
BIO-CU-1	The proposed project would potentially contribute to a cumulatively considerable impact to special status species.	**MM-BIO-3 (see mitigation measure outlined above)** **MM-BIO-4 (see mitigation measure outlined above)** **MM-BIO-5 (see mitigation measure outlined above)**	Less-than-Significant Impact
BIO-CU-2	The proposed project would potentially contribute to the cumulative impact to riparian habitat or other sensitive natural communities.	**MM-BIO-1 (see mitigation measure outlined above)** **MM-BIO-2 (see mitigation measure outlined above)** **MM-BIO-4 (see mitigation measure outlined above)** **MM-BIO-5 (see mitigation measure outlined above)**	Less-than-Significant Impact
BIO-CU-3	The proposed project would potentially contribute to the cumulative impact to jurisdictional waters and wetlands.	**MM-BIO-1 (see mitigation measure outlined above)** **MM-BIO-2 (see mitigation measure outlined above)** **MM-BIO-4 (see mitigation measure outlined above)** **MM-BIO-5 (see mitigation measure outlined above)**	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
Cultural and Tribal Cultural Resources				
CUL-1	The project has the potential to materially alter the structure of the rock house (existing historic home) through construction-related vibration impacts.	MM-CUL-1	The project proponent shall inform construction personnel of the location and significance of Harmon House, and of the avoidance and protective measures that shall be implemented when working near the Harmon House. The Harmon House shall be avoided and protected during all phases of construction of the proposed project. Prior to the start of work, a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), shall be retained to develop a plan of action for avoidance and protection of the Harmon House, in coordination with the City of Poway, and the project proponent. The plan shall include at a minimum: (1) Procedure to review all construction plans to ensure there is a notation of the Harmon House's location on all construction plans; (2) Initial testing for potential vibration impacts. Should any potential vibration impacts to stone cladding materials be identified as part of the initial testing, construction methods and equipment uses will be reassessed to ensure that no element of the house is damaged due to construction related ground-borne vibration activities; (3) Details and timeline to conduct a preconstruction survey to document the existing condition of the Harmon House prior to the start of any ground disturbing work adjacent to the house; (4) Procedures and timing for the placement and removal of a protective barrier(s) for the Harmon House property;	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		(5) A detailed plan for monitoring of the installation and removal of protective barriers, as well as notification procedures and monitoring for all project-related work within 20 feet of the Harmon House, by the Qualified Architectural Historian, or his or her designee; (6) Details and timeline to conduct a post-construction survey to document the condition of the Harmon House after completion of work described in the project description The plan shall include details and a deadline for the preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the Harmon House and compliance with protective measures. The plan shall comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties (Standards) and shall be memorialized in a technical memorandum, which shall be submitted to the City of Poway for review and approval. The final approved plan shall be submitted to the City of Poway no later than 30 days prior to the start of work. The plan shall be provided to the construction foreman at a project kick-off meeting. The technical memorandum documenting the pre-construction and post-construction conditions shall be submitted to the City of Poway within 30 days of completion of work within 20 feet of the Harmon House and removal of the protective barriers.	

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
CUL-2	Project implementation may result in a substantial adverse change to the setting of the Harmon House (existing historic home).	**MM-CUL-2** In consultation with a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), the project proponent will develop and implement a landscape plan for the northern boundary of the Harmon House property. This landscape plan shall include trees that will create a visual screen between the Harmon House and the new development proposed to the north of the property. The implementation of this plan shall be documented in the technical memorandum documenting the pre-construction and post-construction conditions described in MM CUL-1.	Less-than-Significant Impact
CUL-3	Ground disturbance during project construction could result in the potential to unearth buried archaeological resources.	**MM-CUL-3** An archaeological resources monitoring program to mitigate potential impacts to undiscovered, buried, or previously undetected elements of any archaeological resources within the project site shall be implemented to the satisfaction of the Lead Agency. The program shall include the following: (1) Prior to issuance of a grading permit, the applicant shall provide written verification that a qualified archaeologist has been retained to implement the monitoring program. This verification shall be presented in a letter from the project archaeologist to the Lead Agency. The qualified archaeologist (project archaeologist) shall engage a Traditionally Culturally Affiliated (TCA) Native American representative to participate in the monitoring program. The TCA Native American monitor will be responsible to advise the project archaeologist regarding culturally sensitive artifacts or landforms within the project. (2) The-project archaeologist TCA Native American representative shall attend the pre-grading meeting with the contractors to explain and coordinate the requirements of the monitoring program. (3) Archaeological and Native American monitoring shall be required during grading, unless the project archaeologist determines that the potential for	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		cultural resources has been exhausted. The Native American monitor shall coordinate on-site monitoring with the project archaeologist. Full- or- part-time inspections may be considered depending upon the rate of excavation, the materials excavated, and the presence and abundance of artifacts and features. The project archaeologist, in consultation with the Kumeyaay representative, shall provide the City of Poway with any recommendations for reduced monitoring protocol. (4) In the event that previously unidentified cultural resources are discovered during the monitoring program, the project archaeologist and TCA Native American Monitor shall have the authority to divert or temporarily halt ground-disturbance operation in the area of discovery to allow for the evaluation of potentially significant cultural resources. The project archaeologist shall contact the Lead Agency at the time of discovery. All discovered cultural resources shall be recorded and tested using standard archaeological protocols. Any resources determined to not be CEQA-significant shall be released to the grading program. For any resources that are determined to be CEQA-significant and eligible for the California Register of Historical Resources, the project archaeologist, in consultation with the lead agency and the TCA Native American Monitor, shall determine the appropriate measures to be implemented in order to mitigate adverse impacts to the significant site. (5) Human Remains: If human remains are encountered during grading, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the San Diego County Medical Examiner's Office has made the necessary findings as to origin. The City of Poway, the TCA Native American Monitor, and the applicant shall be immediately notified of the discovery of any possible human remains. Further, pursuant	

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to their treatment and disposition has been made. If the medical examiner determines that the remains are of Native American origin, the NAHC must be contacted within 24 hours. The NAHC must then immediately identify the Most Likely Descendant(s) (MLD) for purposes of receiving notification of discovery. The MLD shall then make recommendations within 48 hours and engage in consultation concerning the treatment of the remains as provided in Public Resources Code Section 5097.98. The TCA Native American Monitor for grading will not necessarily be named as the MLD, and therefore, cannot provide direction until the MLD is determined. (6) All cultural material collected during the grading monitoring program shall be cataloged, analyzed, and subsequently curated according to the current professional laboratory and repository standards. The collections and associated records shall be transferred, including title, to an appropriate curation facility, to be accompanied by payment of the fees necessary for permanent curation. (7) A report documenting the monitoring program, any field investigations, and results of any data recovery programs or site evaluations shall be completed and submitted to the satisfaction of the Lead Agency prior to the issuance of any building permits. The report will include DPR Primary and Archaeological Site Forms.	

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
CUL-4	Discovery of human remains on-site would result in potentially significant impacts.	MM-CUL-3 (see mitigation measure outlined above)		Less-than-Significant Impact
CUL-5	If cultural resources are found at the project site, impacts related to tribal cultural resources would be potentially significant.	MM-CUL-3 (see mitigation measure outlined above)		Less-than-Significant Impact
Geology and Soils				
GEO-1	The proposed project could result in potentially significant impacts associated with seismic-related ground failure, including liquefaction, due to the unknown depth of groundwater on-site and the potential for liquefiable soils.	MM-GEO-1	Prior to commencement of any grading activity in areas of moderate to high paleontological sensitivity, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The qualified paleontologist shall attend the preconstruction meeting and a paleontological monitor shall be on-site during rough grading and other significant ground-disturbing activities in areas of previously undisturbed, moderate and/or high paleontological resources sensitivity. In the event that paleontological resources (e.g., fossils) are unearthed during grading, trenching, or large-diameter (two-feet or greater) augering, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Any significant paleontological resources recovered from the Project site during construction of the Project shall be stabilized, prepared, cataloged, and identified to the lowest taxonomic level	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		prior to curation at an accredited fossil repository with retrievable storage, such as the San Diego Natural History Museum. 1. A qualified paleontologist or a paleontological monitor under the direction and supervision of a qualified paleontologist, shall be on site during original cutting of the Pleistocene terrace deposits and the middle Eocene Friars Formation. A paleontological monitor is defined as an individual who has at least one year of experience in field identification and collection of fossil materials, and who is working under the direction of a qualified paleontologist. Monitoring of the noted geologic unit shall be conducted at least half-time at the beginning of excavation and may be either increased or decreased thereafter depending upon initial results (per direction of a qualified paleontologist). a) Qualified Paleontologist: The project paleontologist is a person who has a Ph.D. or M.S. or equivalent in paleontology or closely related field (e.g., sedimentary or stratigraphic geology, evolutionary biology); has a demonstrated knowledge of Southern California paleontology and geology; and has documented experience performing professional paleontological procedures and techniques. b) Qualified Paleontological Monitor: A paleontological monitor is defined as an individual with at least one year of experience in field identification and collecting of fossil materials. 1. Monitoring of the noted geologic units (Pleistocene terrace deposits and Eocene Friars Formation) shall be conducted full-time at the beginning of the excavation and may be decreased thereafter by the qualified paleontologist depending upon initial results of monitoring.	

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		2. In the event that well-preserved fossils are discovered, a qualified paleontologist shall have the authority to temporarily halt or redirect construction activities in the discovery area to allow recovery in a timely manner (typically on the order of one hour to two days). All collected fossil remains shall be cleaned, sorted, cataloged and deposited in an appropriate scientific institution (such as the San Diego Natural History Museum) at the applicant's expense. 3. A report (with a map showing fossil site locations) summarizing the results, analyses, and conclusions of the above-described monitoring/recovery program shall be submitted to the City of Poway within three months of terminating monitoring activities.	

Table 1-1. Summary of Significant Effects and Mitigation Measures

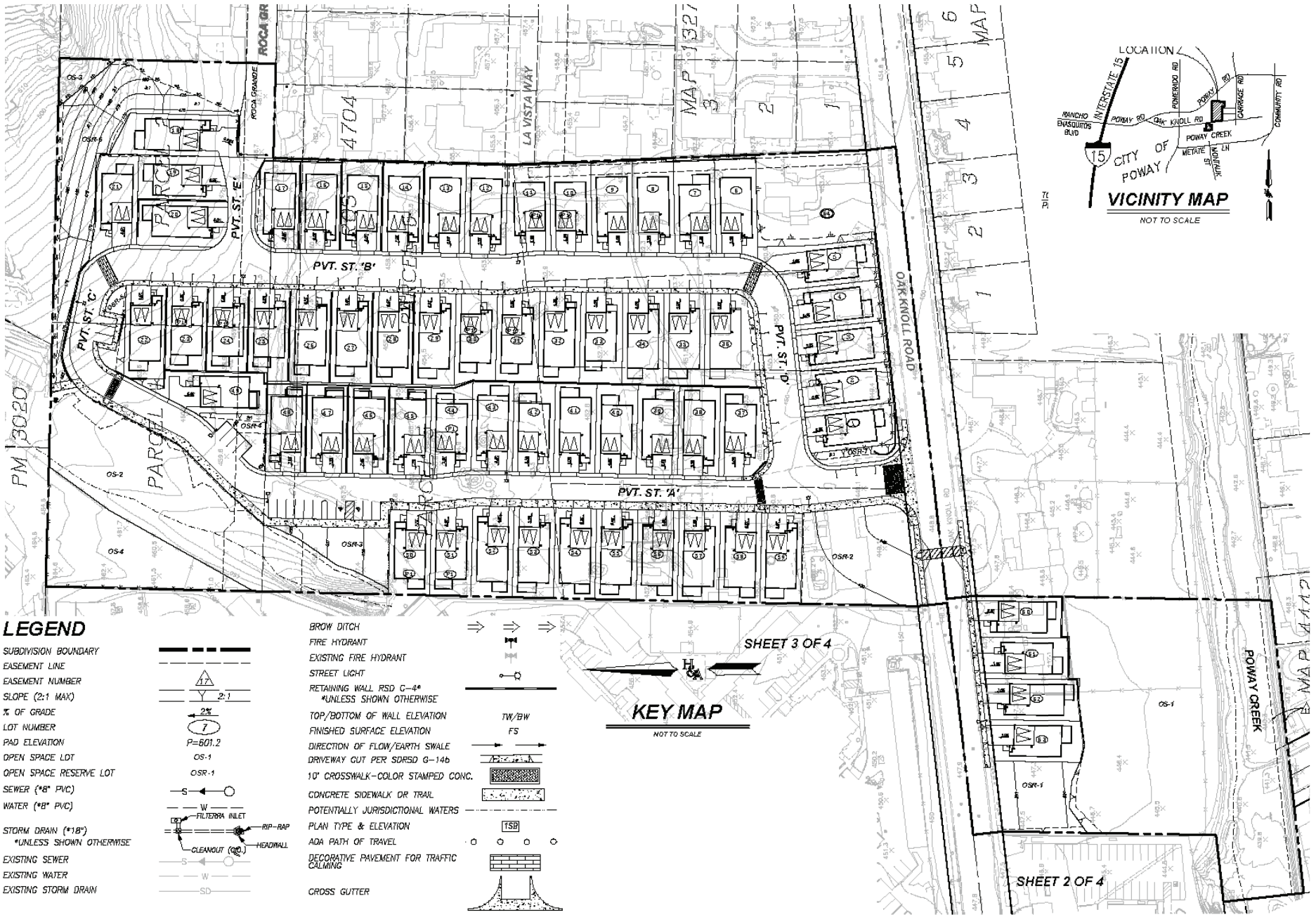
Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
Noise				
NOI-1	The project could result in potentially significant construction noise impacts upon existing residences in the project vicinity.	MM-NOI-1	Prior to the issuance of a Construction Permit, the project applicant/owner or construction contractor shall prepare and submit to the City of Poway Planning Division for its review and approval a Construction Noise Management Plan (CNMP). Prior to the issuance of a Construction Permit, construction plans shall also include a note indicating compliance with the CNMP is required. The CNMP shall be prepared or reviewed by a qualified acoustician (retained at the project applicant/owner or construction contractor's expense) and feature the following: 1. A detailed construction schedule, at daily (or weekly, if activities during each day of the week are typical) resolution and correlating to areas or zones of on-site project construction activities and the anticipated equipment types and quantities involved. Information shall include expected hours of actual operation per day for each type of equipment per phase and indication of anticipated concurrent construction activities on site. 2. Suggested locations for noise level monitoring, attended by a qualified acoustician or another party under his/her supervision or direction, at which sample outdoor ambient noise levels will be measured and collected over a sufficient sample period and subsequently analyzed to ascertain compliance with the eight-hour City of Poway threshold of 75 dBA equivalent noise level. Sampling shall be performed, at a minimum, on the first (or otherwise considered typical construction operations) day of each distinct construction phase (e.g., each of the six listed phases in Table 4.11-3, Estimated Distances between Construction Activities and the Nearest Noise-Sensitive Receptors).	Less-than-Significant Impact

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation	Conclusion and Mitigation Effectiveness
		3. If sample collected noise level data indicates that the eight-hour noise threshold has or will be exceeded, construction work shall be suspended (for the activity or phase of concern) and the project applicant/owner or construction contractor shall implement one or more of the following measures as detailed or specified in the CNMP: a) Administrative controls (e.g., reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances of noise-sensitive receptors). b) Engineering controls (upgrade noise controls, such as install better engine exhaust mufflers, silencers, engine bay dampening, etc.). c) Install noise abatement on the project site boundary fencing (or within the project site, as practical and appropriate) in the form of sound blankets or comparable temporary barriers to occlude construction noise transmission between the project site (or specific equipment operation as the situation may define) and the noise-sensitive receptor(s) of concern. The implemented measure(s) shall be reviewed or otherwise inspected and approved by the qualified acoustician (or another party under his/her supervision or direction) prior to resumption of the construction activity or process that caused the measured noise of concern or need for noise mitigation. Noise levels shall be re-measured, after installation of said measures, to ascertain post-mitigation compliance with the noise threshold. As needed, this process shall be repeated and refined until noise level compliance is demonstrated and documented. A report of this implemented mitigation and its documented success shall be provided to the City of Poway Planning Division.	

Table 1-1. Summary of Significant Effects and Mitigation Measures

Impact No.	Impact	Mitigation		Conclusion and Mitigation Effectiveness
			1. The project applicant/owner or construction contractor shall make available a telephone hotline so that concerned neighbors in the community may call to report noise complaints. The CNMP shall include a process to investigate these complaints and, if determined to be valid, detail efforts to provide a timely response and resolution to the complainant—with copy of resolution provided to the City of Poway Planning Division.	
Transportation				
TRA-1	The proposed project would generate a VMT per capita over the regional threshold.	MM-TRA-1	**Provide Community-Based Travel Planning.** The project HOA would provide alternative modes of transportation information to residents and tenant as a part of the "New Resident" or "New Tenant" package. The HOA will also provide residents with transit schedules within the area, and alert residents when new transit services are added, or services are charged. The HOA will also act as Travel Advisor, providing new residents and tenants with information regarding how members of households can travel in alternative ways that meet their needs. Based on US Census data, the average people per household within the City is 2.99. Therefore, the project would be anticipated to have a total of 191 residents (2.99 people per household X 64 units). All project residents would be targeted with the CBTP. (191 CBTP Targeted Residences/191 Total Residents) x 19% x 12% x1 = 2.3% VMT Reduction.	Significant and Unavoidable Impact



SOURCE: Hunksaker 2023

FIGURE 1-1

Site Plan

Harmon Ranch Specific Plan Project EIR

DUDEK

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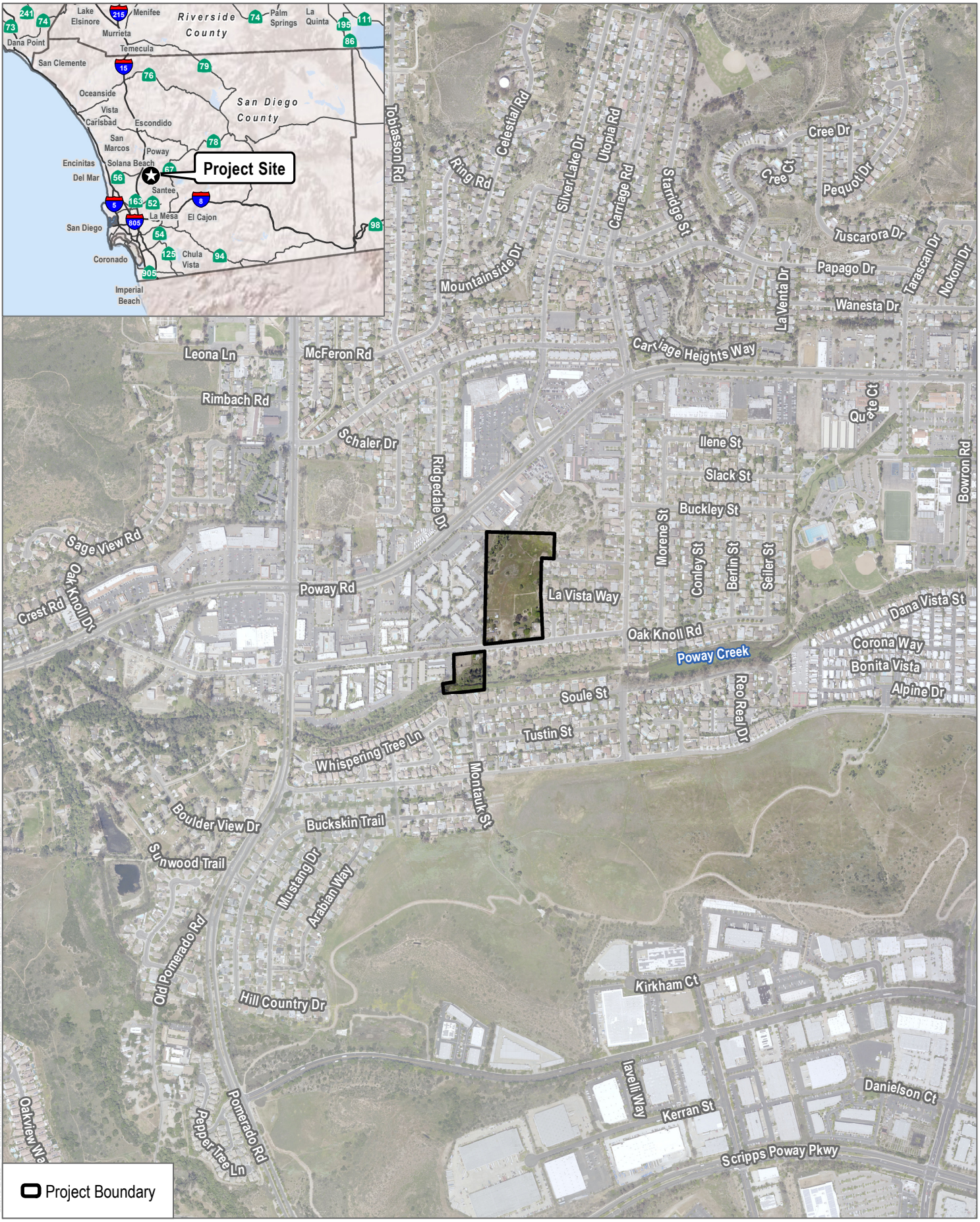

SOURCE: SAN GIS 2017

FIGURE 1-2

Project Site Vicinity and Aerial Map

Harmon Ranch Specific Plan Project EIR

DUDEK

0 500 1,000 Feet

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2 Introduction

This draft environmental impact report (EIR) for the Harmon Ranch project and associated discretionary actions described in Chapter 3, Project Description, (collectively referred to throughout this EIR as the "proposed project") has been prepared for the City of Poway (City) in accordance with the California Environmental Quality Act (CEQA) Statute (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.), as well as CEQA's Significance Determination Thresholds (Appendix G of the CEQA Guidelines).

The proposed project includes the adoption of the Harmon Ranch Specific Plan (Specific Plan) for the proposed project (Appendix Q), the purpose of which is to develop a link between implementing policies of the Poway Comprehensive Plan: General Plan (General Plan) (City of Poway 1991) and the individual development proposals in a defined area. As required by Government Code Section 65450 et seq., the Specific Plan contains land uses and development regulations that plan to serve regional housing needs through infrastructure requirements, including single-family housing, and provide for new public open space area, proximity to jobs and services, and school district rating, through implementation measures for the development of a specific geographic area—in this instance, that area is referred to as the project site or Specific Plan area.

The proposed project seeks to implement the recommendations of the proposed Specific Plan. These provisions require that a specific plan be consistent with the adopted general plan. The City has responded to this mandate by adopting Specific Plan policies and objectives for the proposed project. The City will consider the Specific Plan policies and objectives when evaluating the alternatives presented in this EIR. Please refer to Chapter 3 for further details regarding the components of the proposed project.

2.1 Purpose and Intended Uses

2.1.1 EIR Purpose

This EIR seeks to do the following:

- Inform governmental decision makers and the general public of the potentially significant environmental effects of the proposed project
- Identify the ways that environmental damage can be avoided or significantly reduced
- Reduce environmental impacts by identifying changes in the proposed project through the use of alternatives or mitigation measures
- Streamline environmental review for subsequent projects consistent with the project

2.1.2 Intended Use of the EIR

This EIR was prepared in accordance with CEQA (California Public Resources Code Section 21000 et seq.), the CEQA Guidelines (14 CCR 15000 et seq.), and the City's Environmental Review Procedures.

The EIR is an informational document that will provide the City's decision makers, public agencies, responsible and trustee agencies, and members of the public with information about (1) the potential for significant adverse environmental impacts that would result from the development of the proposed project, (2) feasible or potentially feasible ways to minimize any significant adverse environmental impacts that would result from the development of the proposed project, and (3) a reasonable range of potentially feasible alternatives to the proposed project

that would reduce or avoid significant adverse environmental impacts associated with the proposed project (California Public Resources Code Section 21002.1[a]; 14 CCR 15121[a]). Responsible and trustee agencies may use this EIR to fulfill their legal authority to issue permits for the proposed project. The analysis and findings in this EIR reflect the independent judgment of the City.

The City is the Lead Agency for the EIR and will perform the entitlement processing of the proposed project. When deciding whether to approve the proposed project, the City will use the information in this EIR to consider potential impacts to the physical environment associated with the proposed project. Subsequent to the certification of the Final EIR, agencies with permitting authority over all or portions of the proposed project will use the Final EIR as the basis for their evaluation of the environmental effects related to the proposed project that will culminate with the approval or denial of applicable permits.

This EIR evaluates the potential environmental impacts of the proposed project. This EIR evaluates all elements of the proposed project, including the construction (short-term) and operational (long-term) impacts associated with its development.

2.2 EIR Legal Authority

2.2.1 Lead Agency

The City is the Lead Agency, defined in CEQA Guidelines Sections 15050 and 15367 as the "public agency which has the principal responsibility for carrying out or approving a project." This EIR is intended to analyze the environmental impacts associated with the discretionary actions that require ultimate approval by the Poway City Council.

2.2.2 Responsible and Trustee Agencies

Responsible agencies have discretionary approval over one or more actions involved with development of the proposed project, and responsible and trustee agencies are state agencies with discretionary approval or jurisdiction by law over natural resources, which may be impacted. Table 3-1, Proposed Discretionary Approvals and Permits, in Chapter 3 lists all approvals (e.g., permits, financing approvals, or participation agreements) that are expected to be required from the City and other public agencies. Trustee agencies are defined in CEQA Guidelines Section 15386 as agencies that have jurisdiction by law over natural resources affected by a project that are held in trust for the people of the State of California, including the California State Lands Commission; University of California, San Diego; California Department of Fish and Wildlife; and California Department of Parks and Recreation.

2.3 EIR Type, Scope and Content, and Format

2.3.1 Type of EIR

This EIR has been prepared as a project EIR, as defined in CEQA Guidelines Section 15161. In accordance with CEQA, this EIR examines the environmental impacts of the proposed project, which is composed of a series of actions. The combined actions can be characterized as one large project for the purpose of this study and are herein referred to as the "proposed project." The EIR focuses primarily on the physical changes in the

environment that would result from the adoption and implementation of the proposed project, and other related actions described more fully in Chapter 3, including anticipated impacts that could result during future construction and operation.

2.3.2 EIR Scope and Content

The scope of analysis for this EIR was determined by the City as a result of initial project review and consideration of comments received in response to the Notice of Preparation circulated February 1, 2023, through March 3, 2023, and a scoping meeting held on Thursday, February 16, 2023, at the City of Poway City Council Chambers located at 13325 Civic Center Drive, Poway. The Notice of Preparation and public comments received are included as Appendix A of this EIR. Through these scoping activities, the proposed project was determined to have the potential to result in significant environmental impacts to the following subject areas:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural and Tribal Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Utilities and Services Systems
- Wildfire

The intent of this EIR is to determine whether implementation of the proposed project would have a significant effect on the environment through analysis of the issues identified during the scoping process. Each environmental issue area includes the following: a presentation of the threshold(s) of significance for the particular issue area under evaluation based on CEQA's Significance Determination Thresholds; an issue statement; an assessment of impacts associated with implementation of the proposed project; a summary of the significance of project impacts; and recommendations for mitigation measures, as appropriate. Pursuant to CEQA Guidelines Section 15126, all discretionary actions associated with the proposed project are considered in this EIR when evaluating its potential impacts on the environment, including the construction of future development and operational phases. Impacts are identified as direct or indirect, short term or long term, and assessed on a plan-to-ground basis. The plan-to-ground analysis addresses the changes or impacts that would result from implementation of the proposed project compared to existing ground conditions.

2.3.3 EIR Format

Organization

The following is brief overview of the various chapters of this EIR:

- **Chapter 1, Executive Summary.** This chapter provides a summary of the EIR; a brief description of the proposed project; an identification of areas of controversy; and a summary table identifying significant impacts, proposed mitigation measures, and the significance of impact after mitigation. A summary of the

proposed project alternatives and a comparison of the potential impacts of the alternatives with those of the proposed project are also provided.

- **Chapter 2, Introduction.** This chapter contains an overview of the legal authority, purpose, and intended uses of the EIR, as well as its scope and content. It also provides a discussion of the CEQA environmental review process, including public involvement.
- **Chapter 3, Project Description.** Provides a detailed discussion of the proposed project, including background, objectives, and key features.
- **Chapter 4, Environmental Analysis.** This chapter provides a detailed evaluation of the potential environmental impacts associated with the proposed project for environmental and land use issues. The analysis of each issue begins with a discussion of the existing conditions, regulatory framework, and a statement of the specific thresholds used to determine the significance of impacts, followed by an evaluation of potential impacts and identification of specific mitigation measures to avoid or reduce significant impacts (if any). A statement regarding the significance of the impact after mitigation is also provided.
- **Chapter 5, Other CEQA Considerations.** This chapter evaluates the potential influence the proposed project may have on economic or population growth within the project vicinity and the region, either directly or indirectly. It identifies all of the issues determined in the scoping and preliminary environmental review process to not be significant, and briefly summarizes the basis for these determinations. It also identifies impacts that are significant and unavoidable, or irreversible, as well as describes mandatory findings of significance.
- **Chapter 6, Alternatives.** This chapter provides a description of the alternatives to the proposed project, including the No Project/No Build Alternative.
- **Chapter 7, References.** This chapter lists all of the references cited in the EIR.
- **Chapter 8, List of Preparers.** This chapter identifies all of the agencies, organizations, and individuals responsible for the preparation of the EIR.

Technical Appendices

Technical reports, used as a basis for much of the environmental analysis in the EIR, have been summarized in the EIR, and are included as appendices to this EIR. The technical reports prepared for the proposed project and their location in the EIR are listed in the table of contents.

Incorporation by Reference

As permitted by CEQA Guidelines Section 15150, this EIR references several technical studies and reports. Information from these documents is briefly summarized in this EIR, and their relationship to this EIR is described in the respective chapters. All reference materials are included in Chapter 7, and are hereby incorporated by reference.

2.4 EIR Process

The City, as Lead Agency, is responsible for the preparation and review of this EIR. The EIR review process occurs in two basic stages. The first stage is the Draft EIR, which offers the public the opportunity to comment on the document, and the second stage is the Final EIR.

2.4.1 Draft EIR

In accordance with CEQA Guidelines Section 15105, the Draft EIR is distributed for review to the public and interested and affected agencies for a review period of 45 days. The purpose of the review period is to allow the public an opportunity to provide comments "on the sufficiency of the document in identifying and analyzing the possible impacts on the environment and ways in which the significant effects of the project might be avoided and mitigated" (14 CCR 15204). In accordance with CEQA Guidelines Sections 15085 and 15087(a)(1), upon completion of the Draft EIR, a Notice of Completion will be filed with the State Office of Planning and Research and a Notice of Availability of the Draft EIR will be issued in a newspaper of general circulation in the area.

2.4.2 Final EIR

Comments addressing the scope and adequacy of the environmental analysis will be solicited during the Draft EIR public review. Following the end of the public review period, the City, as the Lead Agency, will provide written responses to comments received on the Draft EIR per CEQA Guidelines Section 15088. All comments and responses will be considered in the review of the EIR.

Detailed responses to the comments received during public review, a Mitigation Monitoring and Reporting Program, Findings of Fact, and a Statement of Overriding Considerations for impacts identified in the Draft EIR as significant and unmitigable will be prepared and compiled as part of the EIR finalization process. The Final EIR will be available for public review at least 14 days before the City Council hearing in order to provide commenters the opportunity to review the written responses to their comment letters. The culmination of this process is a public hearing where the City Council will determine whether to certify the Final EIR and adopt the Mitigation Monitoring and Reporting Program, Findings of Fact, and Statement of Overriding Considerations as being complete and in accordance with CEQA.

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3 Project Description

This chapter describes Harmon Ranch project (proposed project). As required by Section 15124 of the California Environmental Quality Act (CEQA) Guidelines, this chapter contains the precise location and boundaries of the proposed project; a statement of objectives sought by the proposed project; a general description of the proposed project's technical, economic, and environmental characteristics and its environmental setting; and a statement briefly describing the intended uses of the environmental impact report (EIR). Consistent with Section 15124 of the CEQA Guidelines, this chapter also includes, to the extent known, a list of the agencies expected to use the EIR in their decision making, and a list of permits and other approvals required to implement the proposed project.

3.1 Project Objectives

Section 15124(b) of the CEQA Guidelines requires an EIR to include a statement of objectives sought by a project. The objectives assist the City of Poway (City), as lead agency, in developing a reasonable range of alternatives to the proposed project to be evaluated in the EIR. The project objectives also assist the decision makers in preparing findings or, if necessary, a statement of overriding considerations. The statement of objectives should also include the underlying purpose of a project.

The proposed project includes the adoption of a new specific plan—the Harmon Ranch Specific Plan (Specific Plan) (Appendix Q)—the purpose of which is to establish a link between implementing policies of the general plan and the individual development proposals in a defined area. As required by Government Code Section 65450 et seq., the Specific Plan contains land uses and development regulations, infrastructure requirements, and implementation measures for the development of a specific geographic area; in this instance, it is referred to as the project site or Specific Plan area. These provisions require that a specific plan be consistent with the adopted general plan. The City has responded to this mandate by adopting Specific Plan policies and objectives for the proposed project. The City will consider the Specific Plan policies and objectives when evaluating the alternatives presented in this EIR.

The underlying purpose of the proposed project is to develop approximately 11.5 acres of disturbed land, bisected by existing Oak Knoll Road. Project implementation would be guided by the following statement of project objectives (Appendix Q):

1. Implement applicable goals and policies of the City's General Plan
2. Develop a residential neighborhood within an underutilized site with quality architecture and community design aesthetics that respect and enhance the existing neighborhood's appeal and character
3. Ensure new uses are compatible with the existing surrounding homes by establishing setbacks, design regulations and guidelines that protect the privacy and quality of life for neighboring residents
4. Contribute new housing units to the City of Poway and the region by providing new single-family housing
5. Conserve a portion of the project site to minimize environmental impacts on biological resources and allow for the development of an environmentally sensitive neighborhood
6. Preserve the historic home on site by implementing a landscape plan to maintain the historic setting and provide a buffer to ensure the permanent protection of the historic resource during construction
7. Create an internal network of private streets that minimizes traffic impacts on existing neighborhoods and incorporates a trail connection to the adjacent commercial/industrial land use

8. Minimize the environmental impact of new development through best management and low impact development practices, water and energy conservation measures and green construction
9. Create a land use plan that can realistically be developed within a foreseeable time frame and under projected economic conditions

3.2 Project Description

3.2.1 Project Components

The proposed project is approximately 11.5 acres and includes a total of 63 new single-family homes and associated site improvements and retention of the existing historic home (see Figure 1-1, Site Plan). The project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

The new land uses proposed by the Specific Plan include two open space uses and one residential land use. Parcels designated as open space would be permanently preserved as open space through deed restriction. One residential land use is also proposed. The proposed land uses are described below (Appendix Q):

- ***Open Space (OS)*** is designed to permanently conserve the on-site open space areas that contain sensitive biological and/or cultural resources. These areas would not be impacted by development of the project and remain as natural open space areas.
- ***Open Space – Recreation (OS-R)*** is intended to provide passive and active recreational opportunities and open landscaped areas to support the new residential uses and manufactured slopes within the Specific Plan area. Recreation amenities shall be provided to that support healthy and active lifestyles and encourage community interaction and engagement.
- ***Residential Single Family (R-S)*** consists of traditional single-family homes plotted on deeded legal lots.

Open Space Land Use Districts

The approximately 3.2 acres of open space would consist of 2.2 acres of OS and 1.0 acres of OS-R. As shown on Figure 3-1, Land Use Plan, these recreational amenities would be divided into OS-1 through OS-4, and OS-R-1 through OS-R-7.

Residential Land Use District

The residential land use would compose approximately 5.7 acres that would allow for the development of single-family detached homes on individual lots. The proposed project would allow for up to 63 single-family homes with a 35-foot maximum height limit. All residences would include a minimum of two side-by-side garage spaces, in addition to driveway parking space.

Maintenance and operation of the community would be financed through a Community Association that would be responsible for all private streets, private utilities, and common amenities, as well as for the long-term maintenance and preservation of open space resources on the project site. The Community Association would also be required to contract with qualified professionals for the long-term care and maintenance of the bioretention basins, which are described in more detail below. The Community Association would also be responsible for enforcement of the Community Association's Covenants, Conditions, and Restrictions to ensure compliance with the Specific Plan. The proposed community trail along Streets A and C and the Poway Creek Overlook are required to be open to the public (refer to Figure 3-1). Accessory dwelling units are permissible as required by state law.

Project Approvals

The proposed project consists of the following entitlements and agency approvals, which would be processed concurrently unless otherwise noted:

- General Plan Amendment
- Zone Change
- Specific Plan
- Tentative Map
- Development Review Permit
- Final Map
- EIR Certification

Project Infrastructure

The project site is surrounded by existing development, primarily residential land uses, with existing infrastructure. Any proposed new infrastructure needed to serve the proposed project would be connected to existing infrastructure, which consists of vehicular access and circulation, water, sewer, drainage, and dry utilities such as gas, electricity, and telecommunications. Some water and sewer infrastructure would be extended within the project site as described below under Project Water System and Project Wastewater System.

Project Circulation

As depicted on Figure 3-2, Conceptual Mobility and Parking Plan, the project site circulation would be composed of three unique private street designs (Streets A & C, B & D and E). Private streets are intentionally designed as low-speed streets to promote pedestrian and bicyclist mobility. A sidewalk or Community Trail would be provided on one side of Private Streets A, B, C and D. Travel lane widths would be a minimum of 24 feet as required for fire access and curved alignments would create a physical condition that reduces driver comfort and forces slower speeds. Low speeds would also allow the private streets to be shared with low-speed vehicles and bicycles. The internal street system would consist of two types of private streets, private streets with an 8-foot parallel parking lane on one side and private streets without parking. The Community Trail would be located along Street A and a portion of Street C and a sidewalk would be provided along Streets B and D.

Private streets with parking (Streets B and D) would consist of a 41-foot-wide private road easement. The paved section of the roadway would include a 24-foot travel-way (one lane in each direction) plus an 8-foot parking lane on one side for a total dimension of 32 feet from curb to curb. The parking lane would be accompanied by a 5-foot sidewalk on one side. Shade trees would be planted in the private front yards, protected with a recorded 6-foot wide landscape easement.

Private streets without parking (Streets A and C) would consist of a 33-foot-wide private road easement. The paved section of the roadway would include a 24-foot travel-way (one lane in each direction) measured from curb to curb. A 5-foot sidewalk would be provided on one side. Shade trees would be planted in the private front yards, protected with a recorded 6-foot wide landscape easement. Street E would be composed of a 24-foot travel-way (one lane in each direction) with no parking or sidewalk for the short segment serving two residential lots.

An 8-foot-wide segment of the Community Trail would be located between Oak Knoll Road and the north portion of the project site. As planned in the Poway General Plan, the Community Trail may connect to the Towne Center Plaza in the future. The Community Trail would be located along Streets A and a portion of Street C.

Project Parking

The proposed project would provide adequate parking within the project site to minimize impacts to existing residential streets in the vicinity and all parking would comply with the requirements of the City of Poway Municipal Code unless otherwise specified within the Specific Plan. Each residential unit would include a two-car garage and two additional uncovered driveway spaces. As described above, on-street parking is provided along certain private streets within the neighborhood to serve as additional guest parking for residents. See Figure 3-2 for street sections and parking locations within project site. Regulations regarding proposed project parking, including number of parking spaces, parking space dimensions, and permitted use of parking spaces, are provided in the Specific Plan (Appendix Q).

Project Water System

The City's Public Works Department would provide domestic water to the proposed project. The SDCWA provides 99% of the City's water in the form of untreated water, with the remaining demand met through recycled water purchased from the City of San Diego. All imported water is treated locally at the City's water treatment plant and then distributed via a complex and comprehensive system of pumps and pipes.

The proposed water system consists of a series of 8-inch pipes to create a looped system that would serve all properties within the project site. The internal looped system will connect to the existing 6-inch line in Roca Grande Road and the existing 10-inch line in Oak Knoll Road. The proposed project conceptual water master plan is illustrated in Figure 3-3, Conceptual Water Master Plan.

Project Wastewater System

The proposed project would connect to the City's sewer system. Wastewater collection and the City's sewage system are maintained and operated by the City's Public Works Department to ensure sufficient capacity is available for dry weather peak-flow conditions and storm or wet weather events. Wastewater collected in the City's sewage system is conveyed through the City of San Diego's Municipal Wastewater System to either the North City Water Reclamation Plant or the Point Loma Wastewater Treatment Plant for treatment and disposal.

Existing sewer facilities in the vicinity of the project include existing 8-inch public sewer lines and a 30-inch public trunk sewer within Oak Knoll Road located along the project frontage. The existing 8-inch public gravity sewer lines convey sewer flows from existing residences along Oak Knoll Road from east to west and tie into the existing 30-inch public trunk sewer. The 30-inch trunk sewer conveys flow west in Oak Knoll Road to Pomerado Road.

The proposed project would construct new 8-inch gravity sewer lines to connect the project site to the existing gravity sewer system. The proposed on-site 8-inch public sewer lines would convey sewage from the 59 dwelling units south to the existing 8-inch public sewer line directly fronting the project's south entrance in Oak Knoll Road. The remaining 4 lots south of Oak Knoll Road would make individual lateral connections to the same existing 8-inch public sewer line in Oak Knoll Road. This existing 8-inch public sewer line will convey flows west to the existing 30-inch public trunk sewer in Oak Knoll Road. The proposed project's sewer system is included as Figure 3-4, Conceptual Sewer Master Plan.

Project Drainage System

The project site drains in a general southern direction and discharges to an existing 36-inch storm drain located in Oak Knoll Road. An existing open channel across the northwestern portion of the project site drains southwesterly to the adjacent apartment site. Drainage is conveyed off site within an 8-foot by 5-foot reinforced concrete box in a southwesterly direction. The 36-inch Oak Knoll Road storm drain joins the 8-foot by 5-foot reinforced concrete box that discharges to the west of the project site into Poway Creek.

Figure 3-5, Conceptual Drainage Plan, illustrates the proposed grading and drainage concept for the proposed project. Grading of the project site respects the existing topography to the extent feasible and adheres to the City of Poway Municipal Code Grading Standards. Grading for the project site is balanced at 19,250 cubic yards of cut and fill to avoid export or import of dirt. As shown in Figure 3-5, the project site currently accepts stormwater drainage from a number of adjoining properties. To maintain these existing drainage patterns and minimize drainage impacts to existing neighborhoods, a series of public bypass storm drains would be provided to collect this stormwater and convey it through the site to the City's existing storm drain system downstream.

The proposed project's grading plan would drain all stormwater within the project site to swales that convey water to private streets on site. Once in the street, stormwater would be collected by catch basins and a private system of pipes on site. The stormwater would then be conveyed to a proposed underground vault system for storage to meet hydromodification requirements. The vault would discharge to the existing Oak Knoll Road 36-inch storm drain system.

Project Dry Utilities

Electrical power and natural gas would be provided by San Diego Gas & Electric. No major improvements to the local distribution networks would be needed to support the growth facilitated by the proposed project. The applicant will work with dry utility providers to ensure utility systems have adequate capacity to serve future residential uses.

New development within the project site would be required to meet the California Energy Code (Title 24) and CALGreen requirements. Title 24, Part 6 and CALGreen include the most stringent requirements for energy conservation in the Country. To meet these requirements, all new development within the Specific Plan area will include rooftop photovoltaic solar panels, electric vehicle charging stations, energy efficient lighting and appliances, low-flow fixtures and other design features that conserve energy.

Off-Site Improvements

Minor off-site improvements would be needed to connect the project site to the existing circulation system. Minor off-site utility improvements may also consist of making connections to the adjacent existing water, wastewater, drainage, natural gas, electric, and telecommunication systems.

Construction and Phasing

The proposed project would be developed in phases (see Figure 3-6, Conceptual Phasing Plan). Construction is anticipated to begin in 2024 and end in 2026.

3.2.2 General Plan and Zoning Amendments

The existing General Plan Land Use and Zoning Map designates the entire project site as "Residential Single-Family 7 (RS-7)" (City of Poway 1991). A General Plan amendment and zone change would be processed concurrently with the Specific Plan to designate the project site as "Planned Community (PC)." The amendment consists of both a map amendment and a zoning text amendment. In addition, a new section would be added to the Zoning Ordinance that briefly describes the Harmon Ranch Planned Community. This designation and zoning would be consistent with other specific plan areas throughout the City.

3.2.3 Specific Plan

Government Code Section 65453(a) authorizes local jurisdictions to adopt specific plans as a tool for the systematic implementation of the general plan. A specific plan must be consistent with the adopted general plan, but can provide a unique set of land uses, design regulations, and development standards not permitted under a city's existing zoning or by a city's current standards. By allowing greater flexibility, development patterns can be specifically tailored to the characteristics of a site, including creative design concepts, density ranges that differ from a city's zoning code, specially designed roadways, and a mix of uses unique to the Specific Plan area. Specific Plans may be adopted, in whole or in part, by either resolution or by ordinance. The Harmon Ranch Specific Plan would be adopted by resolution and ordinance. All development and improvements constructed within the Specific Plan area would be required to be consistent with the City's General Plan, the Specific Plan, and the tentative map(s).

3.2.4 Tentative Map

The proposed project includes a tentative subdivision map. The map depicts the grading and drainage, individual residential lots, common ownership lots, public streets, private streets, and infrastructure improvements. The map would be submitted concurrently with the Specific Plan. One or more final subdivision map(s) would be recorded.

3.2.5 Project Design Standards and Features

The Harmon Ranch Specific Plan prepared for the project site outlines land use development standards and design standards (Appendix Q to this EIR). The land use development standards regulate the distribution and intensity of land uses and establishes development standards that would govern all future development within the Specific Plan area. The design standards include architectural design guidelines that supplement the land use development standards. The design standards provide regulations for architectural style, open space design, and landscaping within the Specific Plan area. The proposed project would be required to comply with the land use development standards and all design standards outlined in the Specific Plan.

3.3 Project Location

The project site is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road. The project site consists of approximately 11.5 acres and is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. Figure 1-2, Project Site Vicinity and Aerial Map, depicts an aerial view of the project site vicinity.

3.4 Environmental Setting

The general environmental setting for the project area is provided in this section, in conformance with Section 15125 of the CEQA Guidelines. Currently, the project site consists of approximately 9 acres of disturbed land bisected by existing Oak Knoll Road. The majority of the site was previously utilized as a storage/staging area for San Diego Gas & Electric Company. Additionally, there are four existing homes within the project site. These homes were constructed between 1946 and 1957 and three of these homes would be demolished as part of the project. More detailed descriptions regarding specific environmental conditions are found at the beginning of each section in Chapter 4, Environmental Analysis.

3.4.1 Regional Context

Regionally, the City is situated near the middle of the County, approximately 20 miles north of downtown San Diego via Interstate 15. The project site is approximately 2.5 miles east of Interstate 15. Interstate 15 runs generally parallel to the City's western border and provides connections to San Diego and Riverside Counties.

3.4.2 Surrounding Environment

Surrounding land uses include a mix of retail land uses and the Kumeyaay Ipai Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south, existing single-family homes to the east and a multi-family apartment communities to the west.

3.5 Intended Uses of the EIR

In accordance with CEQA Guidelines Sections 15124(d) and 15160–15170, the City of Poway Development Services determined that an EIR would be required. The Notice of Preparation circulated by the City for public review on February 1, 2023. The City also conducted a Public Scoping Meeting on February 16, 2023, from 6:30 p.m. to 8:00 p.m. in the City of Poway City Council Chambers, 13325 Civic Center Drive, Poway, California. The Notice of Preparation and Public Scoping comments are provided in Appendix A of this EIR.

Consistent with CEQA Guidelines Section 15121(a), this EIR is an informational document that will inform public agency decision makers and the public generally of the significant environmental effects of the proposed project, identify possible ways to minimize the significant effects, and describe reasonable alternatives to the proposed project.

Matrix of Project Approvals/Permits

The City is the Lead Agency, defined in CEQA Guidelines Sections 15050 and 15367 as the "public agency which has the principal responsibility for carrying out or approving a project." This EIR is intended to analyze the environmental impacts associated with the discretionary actions that require ultimate approval by the Poway City Council.

Additionally, responsible agencies have discretionary approval over one or more actions involved with development of a project, and responsible and trustee agencies are state agencies with discretionary approval or jurisdiction by law over natural resources, which may be impacted. Table 3-1 lists all approvals (e.g., permits, financing approvals, participation agreements) that are expected to be required from the City and other public agencies.

Table 3-1. Proposed Discretionary Approvals and Permits

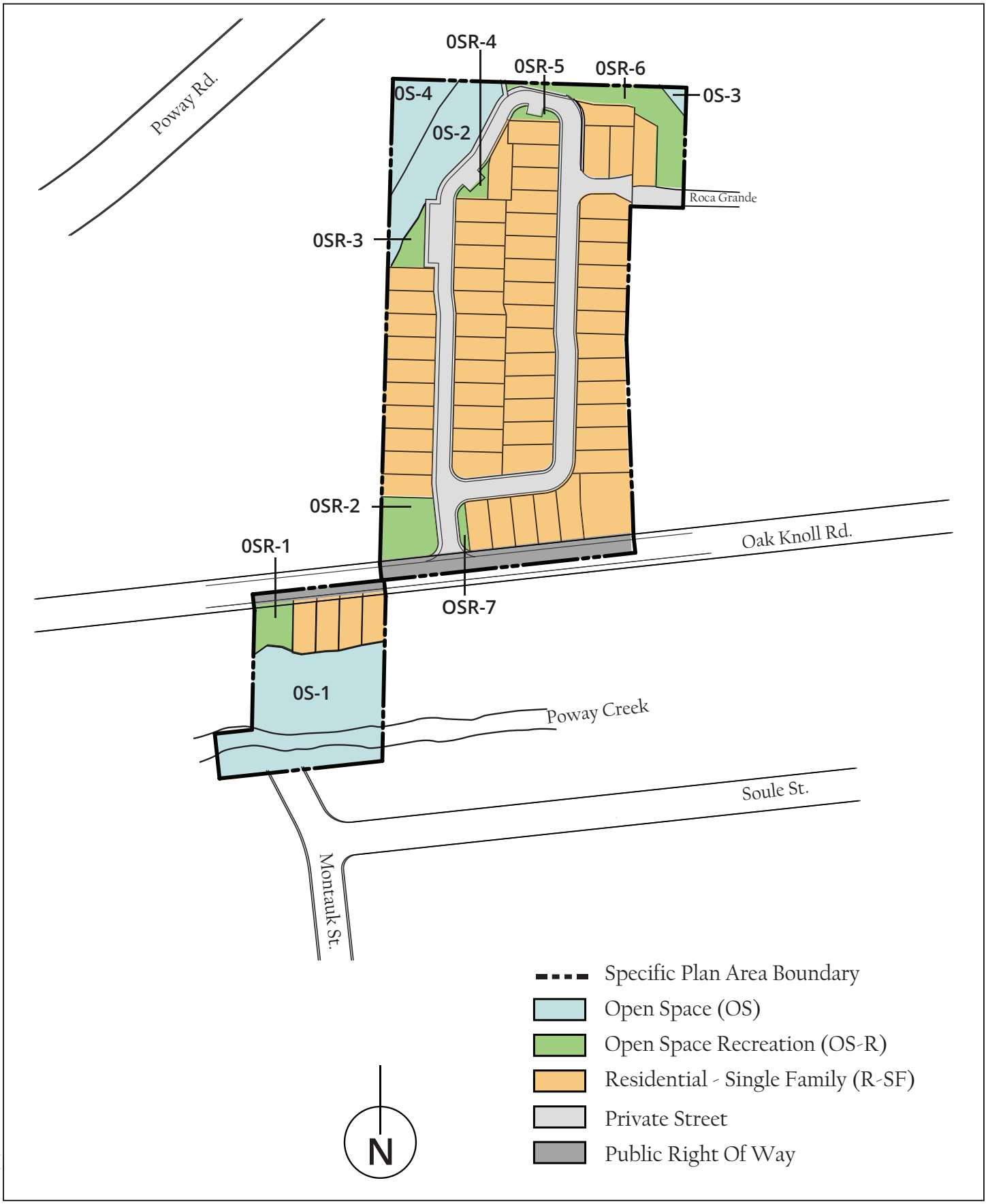
Discretionary Approval/Permit	Agency Title	Agency Type
General Plan Amendment	City of Poway	Lead Agency
Zone Change	City of Poway	Lead Agency
Specific Plan	City of Poway	Lead Agency
Tentative Map	City of Poway	Lead Agency
Development Review Permit	City of Poway	Lead Agency
Environmental Assessment	City of Poway	Lead Agency

3.6 List of Past, Present, and Reasonably Anticipated Future Projects in the Project Area

The following two projects were identified by the City as cumulative projects since they are anticipated to contribute traffic within the Specific Plan area. These projects are presented in Table 3-2

Table 3-2. Cumulative Projects

Map Legend Number	Project Name and APNs	Project Description	Entitlement Status
City of Poway			
1	**Poway Commons** B19-0601 3142203900	Proposed 141 condominium units and 25,000 square feet of specialty retail	Under Construction
2	**Fairfield Project** CUP18-019 2755101900	Proposes to demolish shopping center and bowling alley, and construct 221 apartments, 4,620 square feet of restaurant and 3,878 square feet of retail uses.	Under Construction
3	**Outpost Project**	Proposed 72 residential units (9 of which would be affordable units) and 15,781 square feet of commercial space.	Under Construction



SOURCE: Lennar Homes 2023

FIGURE 3-1

Land Use Plan

Harmon Ranch Specific Plan Project EIR

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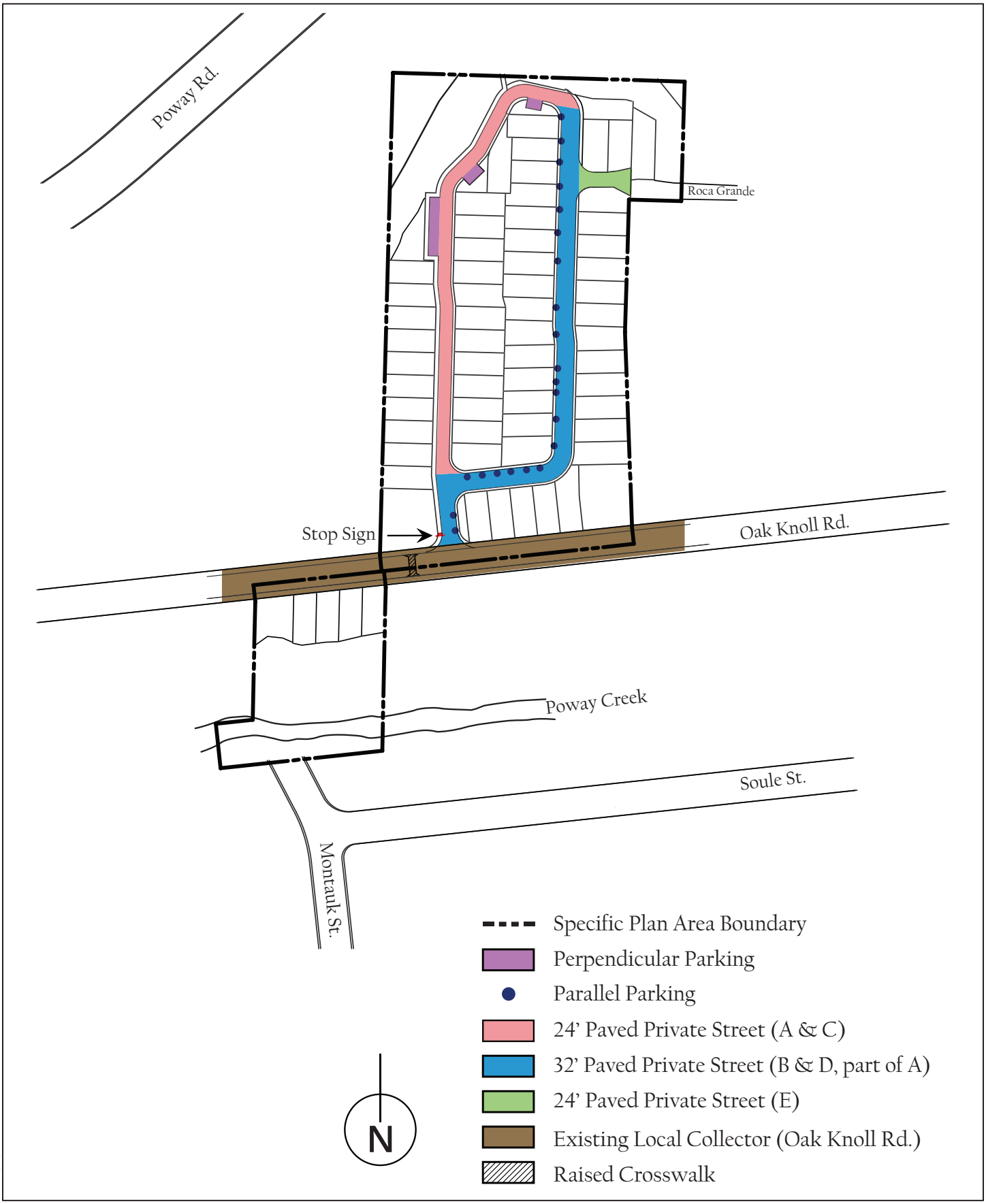

SOURCE: Lennar Homes 2023

FIGURE 3-2

Conceptual Mobility and Parking Plan

Harmon Ranch Specific Plan Project EIR

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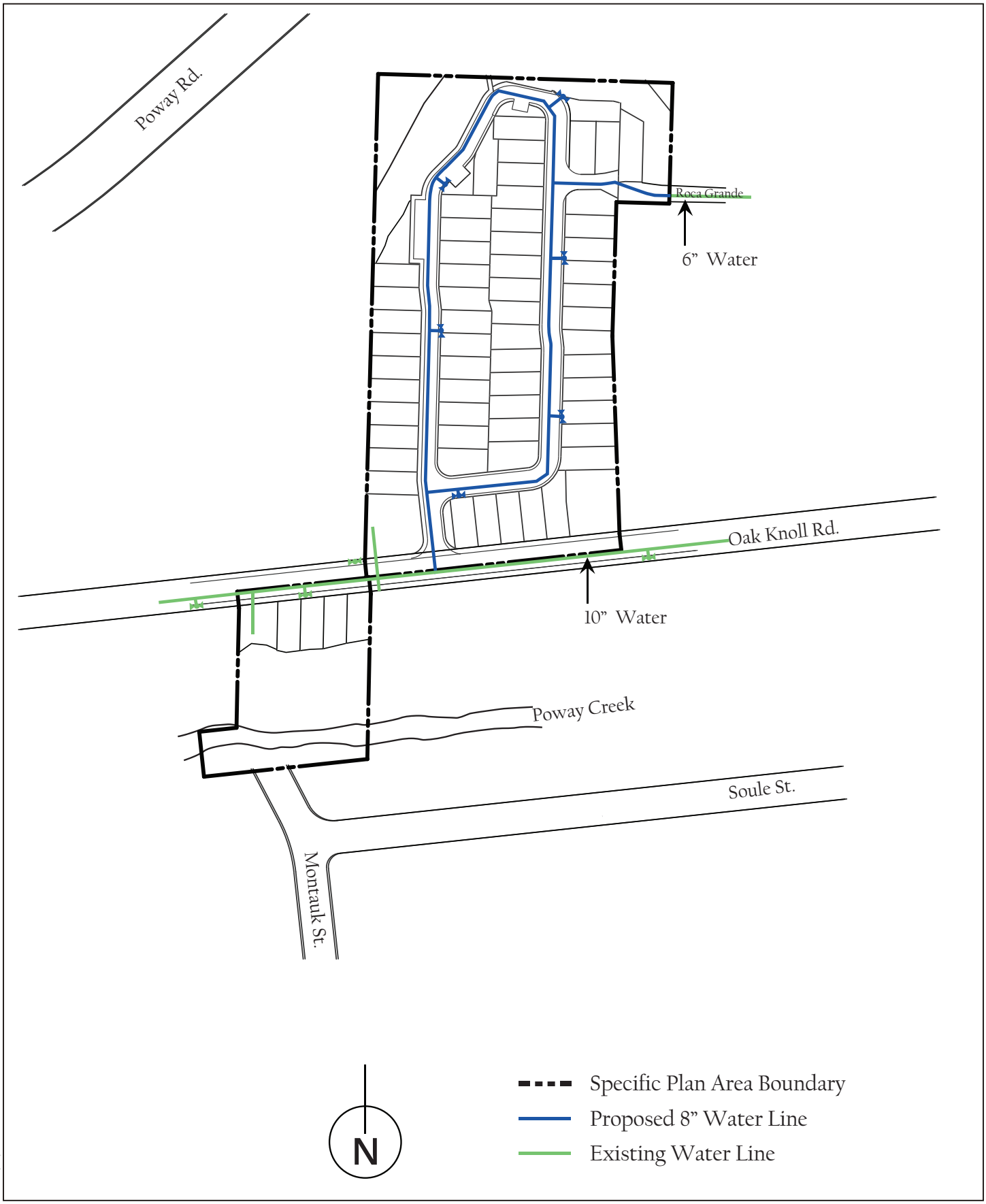

SOURCE: Lennar Homes 2023

FIGURE 3-3

Conceptual Water Master Plan

Harmon Ranch Specific Plan Project EIR

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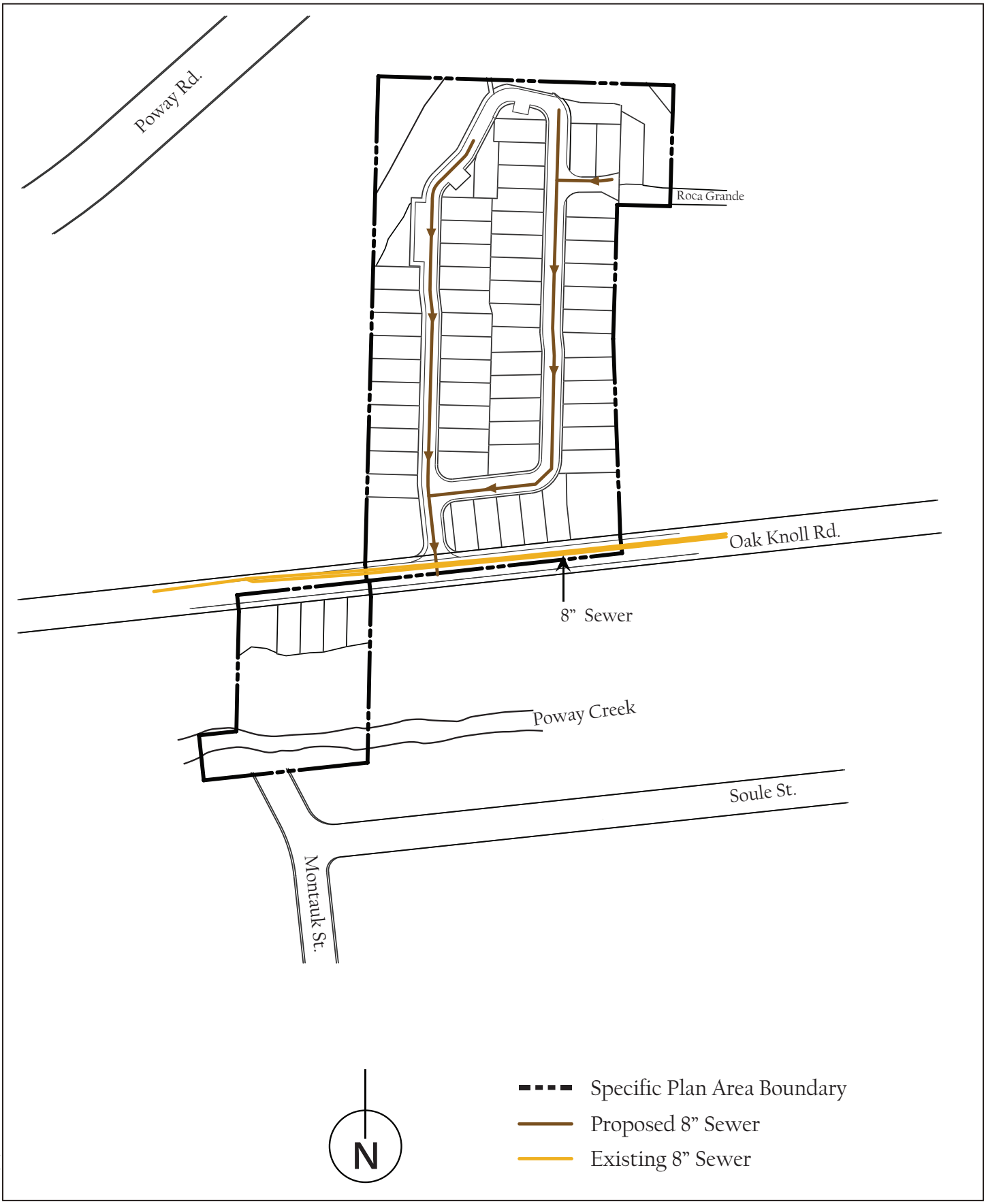

SOURCE: Lennar Homes 2023

FIGURE 3-4

Conceptual Sewer Master Plan

Harmon Ranch Specific Plan Project EIR

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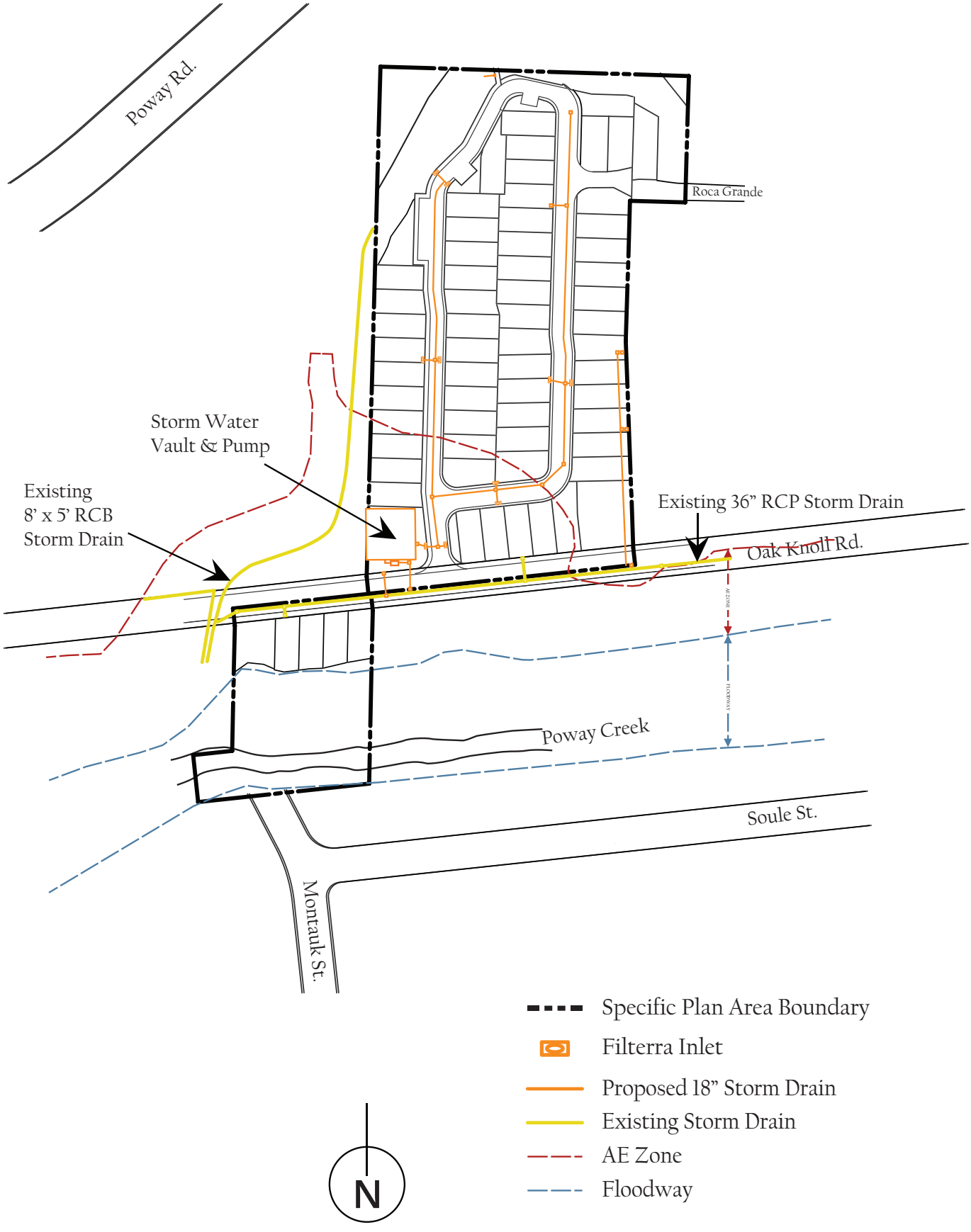

SOURCE: Lennar Homes 2023

FIGURE 3-5

Conceptual Drainage Plan

Harmon Ranch Specific Plan Project EIR

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SOURCE: Lennar Homes 2023

FIGURE 3-6

Conceptual Phasing Plan

Harmon Ranch Specific Plan Project EIR

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4 Environmental Analysis

The following sections analyze the potential environmental impacts that may occur as a result of implementation of the Harmon Ranch project (proposed project). The environmental issues addressed in this chapter include the following:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural and Tribal Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Utilities and Service Systems
- Wildfire

Each issue analysis section includes a description of existing conditions, the criteria for the determination of impact significance, evaluation of potential project impacts including cumulative impacts, mitigation measures (if applicable), and a conclusion of significance after mitigation for impacts identified as requiring mitigation (if applicable).

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4.1 Aesthetics

This section describes the existing visual conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. It should be noted that the preservation of private views and privacy is not under the purview of the California Environmental Quality Act (CEQA).

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to aesthetics focused on the following topics:

- Preservation of views and privacy
- Conformance with community aesthetics
- Shading impacts on surrounding properties
- Visual impacts due to grading changes

These comments were considered during the preparation of this environmental impact report (EIR). However, it should be noted that the preservation of private views and privacy is not under the purview of CEQA. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.1.1 Existing Conditions

The proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. The project site is located within the southern area of City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

The project site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the City of Poway General Plan, which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of eight dwelling units per acre. The project site is similarly zoned as “Residential Single-Family 7 (RS-7)” (City of Poway 1991).

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was once used as a construction staging yard for a San Diego Gas and Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (Assessor’s Parcel No. 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the “Harmon House.”

The site is relatively flat with an elevation of approximately 446 feet mean sea level (MSL) to 448 feet MSL. The northern portion of the property is level to moderate sloping with elevations ranging from approximately 449 feet MSL to 495 feet MSL. Poway Creek is located along the southern boundary of the southern parcels. the flood elevation of 447 feet MSL is shown on the Tentative Map. A tributary to Poway Creek exists along the northwest property boundary. The tributary has been channelized and outlets into a storm drain system beneath Oak Knoll Road. Surface drainage across the northern property is generally south and southwest toward Oak Knoll Road, while the southern property drains south and southwest into Poway Creek.

The proposed Specific Plan area consists of approximately 9 acres of disturbed land bisected by existing Oak Knoll Road. The majority of the site is disturbed and was previously utilized as a storage/staging area for San Diego Gas & Electric Company.

Community Overview

The City of Poway (City) is situated in a network of hillsides and valleys and comprises an area that has many natural resources including creeks and channels, canyons, grassland areas, and mountains. These areas provide the City with aesthetic visual resources that add to the City's rural character and support a significant amount of native plant and animal life. Additionally, the vast amount of open space land in the City, which makes up approximately 50% of the total City land area, represents a significant part of the rural character of the City. While the City has historically been characterized as a farming community over the last 100 years, it is currently characterized by varying densities of residential land uses, limited commercial, industrial, public facility and recreational uses and vast amounts of open space, also known as "The City in the Country" (City of Poway 1991).

Surrounding Land Uses

The land uses surrounding the project site consist of mixed-use, commercial office, and residential uses. The Poway Road Corridor Specific Plan Area (zoned as PC-8) is located to the north and west of the project site, and single-family homes are located to the east and south. The Countryside Apartments, located to the west of the project site, are within the Poway Road Corridor Specific Plan Area and are allowed a maximum housing density by right of 24 dwelling units per acre. The single-family homes located to the east and south of the project site are zoned Residential Single-Family 7 (RS-7).

Scenic Vistas

The City includes views of several mountain peaks, including Mt. Woodson, Iron Mountain, and Twin Peaks, in addition to other prominent ridgelines that penetrate into the developed areas of the City. However, the City does not specifically designate scenic vistas.

Scenic Highways

According to the California Department of Transportation (Caltrans) California Scenic Highway Mapping System, the proposed project is not located adjacent to, or in the vicinity of, a designated state scenic highway or eligible state scenic highway, nor are there any designated or eligible state scenic highways within the City's limits (Caltrans 2011). The closest eligible state scenic highway is State Route (SR) 52, located approximately 7 miles south of the project site. The closest designated State Scenic Highway is the portion of SR-125 between SR-94 and Interstate 8 near La Mesa, which is approximately 12 miles south of the project site.

The Poway Comprehensive Plan: General Plan (General Plan) contains local scenic roadways including Espola Road from the western City limits to Poway Road, Poway Road from Espola Road to SR-67, SR-67 through the Poway City limits, and Midland Road between Hilleary Road and Twin Peaks Road. Where not inhibited by existing or approved development, the City requires a landscaped open space easement of 50 feet from the ultimate right-of-way along all scenic roadways (City of Poway 2010). Espola Road is the only City-designated local scenic roadway within the vicinity of the proposed project.

Light and Glare

Upward-pointing or upward-reflected light from outdoor lighting is a significant source of nighttime light. Nighttime light that spills outside of the intended area, as well as lighted signs, can be annoying to neighbors and potentially harmful to motorists, cyclists, and pedestrians. Nighttime lighting can result in skyglow (the brightening of the night sky) and light trespass (a result of spill light shining in undesirable locations). Nighttime lighting in excess of what is necessary for its purpose is called light pollution. Light pollution cannot completely be eliminated, but it can be minimized to help create dark skies and to decrease energy consumption. Existing sources of nighttime lighting within the boundary of the project site consists of lighting from the four existing residences on site.

Glare is the result of sharply reflected light caused by sunlight or artificial light reflecting from highly finished surfaces such as windows or brightly colored surfaces, and from the direct view of a bright, unshielded light source. Glare can be uncomfortable (discomfort glare) or disabling (disability glare). Glare decreases visibility, but the level of receptor sensitivity to glare can vary widely. There are no existing sources of glare at the project site.

4.1.2 Relevant Plans, Policies, and Ordinances

State

California Environmental Quality Act

CEQA (California Public Resources Code, Section 21000 et seq.) and the CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Scenic Highway Program

Created by the Legislature in 1963, the California Scenic Highway Program includes highways designated by Caltrans as scenic. The purpose of this program is to preserve and protect the scenic beauty of California highways and adjacent corridors through conservation and land use regulation. For a highway to be included in the program, it must first be nominated by the specific city or county where it is located. The nomination/eligibility process also entails that the city/county identify and define the scenic corridor of the highway to better understand the extent of visual resources requiring conservation. For an eligible highway to be officially designated and included in the program, the local government with jurisdiction over lands abutting the highway must implement a scenic highway corridor protection program that safeguards the scenic appearance of the corridor. Corridor protection may be achieved through a variety of means, including regulation of land uses and intensity of development, detailed land and site planning, control of outdoor advertising, consideration of earthmoving and landscaping, and the design and appearance of structures and equipment. If the local Caltrans district and State Scenic Highway coordinators determine that the corridor protection program meets the five legislatively required elements discussed above, a recommendation to designate the highway as scenic is forwarded to the Caltrans director. The Caltrans director may revoke scenic highways that no longer comply with the program. There are no designated scenic highways located in the proposed project's vicinity.

Local

City of Poway Municipal Code – Chapter 13.15 – Street Lighting

Chapter 13.15 of the City's Municipal Code provides regulations regarding street lighting standards to minimize glare, light trespass, and artificial sky glow for the benefit of the citizens of the City, and to promote lighting design that provides for public safety, utility, and productivity while conserving energy and resources.

Poway Comprehensive Plan: General Plan – Community Development Element

The General Plan Community Development Element includes the following policies and strategies that could apply to the proposed project (City of Poway 1991):

Goal I – It is the goal of the City of Poway to preserve Poway's unique and desirable character as "The City in the Country" and to maintain high quality design and environmental standards in all new development and redevelopment.

Policy A – Streetscape: Seek to develop an attractive streetscape which reflects the rural, small town character of the City.

- **Strategy 1:** Streetscape design should encourage an aesthetic roadway area that integrates street hardware, signs, lighting, landscaping, and pedestrian access.
- **Strategy 2:** Screening such as solid walls or fencing should principally serve as a device to restrict visual and acoustical impacts, but should also be designed to enhance the streetscape.
- **Strategy 3:** Where trees are now encroaching into the public right-of-way, the City shall establish a program that plants replacement trees in anticipation of removal of existing trees.
- **Strategy 6:** Covenants, conditions, and restrictions (CC&Rs) shall be adopted for all new subdivisions which require appropriate use and maintenance of lot areas which are visible from off-site in order to protect and enhance the character and image of the City.

Policy C – Site Design: Attractive, efficient site design shall be required of all development.

- **Strategy 18:** For projects with slopes of 15 percent or greater, a visual impact analysis shall be prepared to determine the most suitable location(s) for the building pad(s).

Policy D – Grading: Necessary grading should be done so as to minimize the disturbance to the site and the environmental and aesthetic impacts.

Policy F – Architecture: The design of buildings should be aesthetically pleasing and consistent with the City's desire to retain Poway's small town character and image.

- **Strategy 7:** All structures shall be of a muted color scheme, with style and texture which reflect the traditional/rural character of the community and natural environment. They shall not be bright, reflective, metallic, or otherwise visually out of character with the community or natural setting. A color palette shall be submitted as part of the site plan.

Policy I – Lighting: Lighting should provide for public convenience and safety but not conflict with the rural nature of the community.

- **Strategy 1:** Areas other than rural residential areas should be provided with street lights.
- **Strategy 2:** Public and semi-public parking lots and driveways should be adequately lighted for public safety. Except for single-family homes, only low pressure sodium lighting may be used for exterior lighting between 11:00 p.m. and dawn.
- **Strategy 3:** All lighting shall be shielded and directed so as to not shine on adjoining properties.
- **Strategy 4:** Lighting placed upon the building should be architecturally integrated into the design.
- **Strategy 5:** Lighting shall be provided to adequately illuminate building entrances, access areas, parking areas, walkways and stairways.
- **Strategy 6:** Lighting for home security should generally be provided through street lighting, however, supplemental residential-type lighting may be provided for security providing that it does not adversely affect adjacent properties.

Poway Comprehensive Plan: General Plan – Natural Resources Element

The following from the General Plan Natural Resources Element could apply to the proposed project (City of Poway 1991):

Goal II, Policy A – Scenic Areas: Scenic areas, prominent vistas and open space areas that typify Poway's rural history and image should be preserved and protected through appropriate land use policies.

- **Strategy 1:** Significant open space areas and scenic vistas along local scenic roadways should be protected.
- **Strategy 2:** The mountains, hillsides and prominent ridgelines are a valuable natural resource and should be preserved through appropriate land use policies.

4.1.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to aesthetics are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, except as provided in Public Resources Code Section 21099, a significant impact related to aesthetics would occur if the project would:

1. Have a substantial adverse effect on a scenic vista.
2. Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway.
3. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings. (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, conflict with applicable zoning and other regulations governing scenic quality.
4. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

4.1.4 Impacts Analysis

Would the project have a substantial adverse effect on a scenic vista?

The City's General Plan emphasizes the protection of scenic areas, prominent vistas, and open space areas that typify the community's rural history and image. Valuable scenic vistas include those of mountains, hillsides, prominent ridgelines, and significant open space areas and scenic vistas along locally designated scenic roadways. The City does not designate scenic vistas. Although not officially designated, major public open space areas within the vicinity of the proposed project include the Lake Poway Recreation Area and Blue Sky Ecological Reserve. Additionally, Sycamore Canyon Trailhead is located approximately 5 miles east, Iron Mountain Trailhead is located approximately 6 miles northeast, and Mt. Woodson Trailhead (Poway) is located approximately 7 miles northeast.

Sycamore Canyon is a scenic trail that offers a looped track through wild land and a waterfall. Due to topography and distance from the project site, Sycamore Canyon is not visible to or from the project site. Blue Sky Ecological Reserve trails are located in a canyon and beyond a small hill that is adjacent to the bend in Espola Road. Due to distance and topography, the project site is not visible from the Blue Sky Ecological Reserve or Lake Poway.

From Mt. Woodson and Iron Mountain and associated trails, views of the project site may be available from the peak but would be at a distance of 7 and 6 miles, respectively, and would be difficult to decipher amongst topography and existing development, but more likely the project site would not be distinguishable from these peaks.

The proposed project would also be designed to maintain a low profile and would be scaled similarly to surrounding land uses, which consist of residential and commercial developments on a variety of lot sizes. All buildings would be limited to a maximum height of 35 feet, consistent with the general plan.

The proposed project would not substantially interrupt or obstruct available views from any scenic areas. No designated scenic vistas would be impacted by the proposed project. Thus, impacts to scenic vistas would be **less than significant**.

Would the project substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

While the project would remove some existing trees on site and would develop new homes within close proximity to a designated historic house, there are no officially designated or eligible highways within the City. The closest designated State Scenic Highway is the portion of SR-125 between SR-94 and Interstate 8 near La Mesa, which is approximately 12 miles south of the project site. Therefore, **no impacts** to scenic resources within a State Scenic Highway would occur.

Please refer to EIR Section 4.4, Cultural and Tribal Resources, for a detailed analysis on the visual character and setting of the existing designated historic house on-site (Harmon House), and associated mitigation.

In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

CEQA Section 21071 defines an "urbanized area" as "(a) an incorporated city that meets either of the following criteria: (1) Has a population of at least 100,000 persons, or (2) Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons." As of July 1, 2018, the U.S. Census Bureau estimated the population of Poway to be 49,704 persons (U.S. Census Bureau 2018a). While the City's population is under 100,000 persons, the City is contiguous with the City of San Diego, which was estimated to have a population of 1,425,976 persons as of July 1, 2018 (U.S. Census Bureau 2018b). Therefore, the City would be considered an urbanized area per CEQA and therefore the first question of this threshold would not apply to the proposed project, as it is directed at non-urbanized areas. CEQA Section 21071 also defines an urbanized area for unincorporated areas; however, the City is an incorporated city, so this definition was not considered.

The proposed project requires entitlements and agency approvals including, a General Plan Amendment, Zone Change, Specific Plan, Tentative Map, Development Review Permit, Final Map, and EIR Certification. The existing General Plan Land Use and Zoning Map designates the entire project site as "Residential Single-Family 7 (RS-7)" (City of Poway 1991). A General Plan amendment and zone change would be processed concurrently with the Specific Plan to designate the project site as "Planned Community (PC)." The amendment consists of both a map amendment and a zoning text amendment. In addition, a new section would be added to the Zoning Ordinance that briefly describes the Harmon Ranch Planned Community. This designation and zoning would be consistent with other specific plan areas throughout the City.

As described in Chapter 3 of this EIR, Government Code Section 65453(a) authorizes local jurisdictions to adopt specific plans as a tool for the systematic implementation of the general plan. A specific plan must be consistent with the adopted general plan, but can provide a unique set of land uses, design regulations, and development standards not permitted under a city's existing zoning or by a city's current standards. By allowing greater flexibility, development patterns can be specifically tailored to the characteristics of a site, including creative design concepts, density ranges that differ from a city's zoning code, specially designed roadways, and a mix of uses unique to the specific plan area. Specific plans may be adopted, in whole or in part, by either resolution or by ordinance. The Harmon Ranch Specific Plan would be adopted by resolution and ordinance. All development and improvements constructed within the Specific Plan area would be required to be consistent with the City's General Plan, the Specific Plan, and the tentative map(s).

The proposed project includes a tentative subdivision map. The map depicts the grading and drainage, individual residential lots, common ownership lots, public streets, private streets, and infrastructure improvements. The map would be submitted concurrently with the Specific Plan. One or more final subdivision map(s) would be recorded.

The Harmon Ranch Specific Plan prepared for the project site outlines land use development standards and design standards (Appendix Q to this EIR). The land use development standards regulate the distribution and intensity of land uses and establishes development standards that would govern all future development within the Specific Plan area. The design standards include architectural design guidelines that supplement the land use development standards. The design standards provide regulations for architectural style, open space design, and landscaping within the Specific Plan area. The proposed project would be required to comply with the land use development standards and all design standards outlined in the Specific Plan.

As outlined in the Specific Plan (Appendix Q), the vision for the project is to create a new residential neighborhood that is compatible with the surrounding neighborhoods in character and scale, retains the existing historic home as part of the Specific Plan area, conserves the portion of the site containing sensitive resources, establishes opportunities for active and passive recreation areas for the enjoyment of the residents and provides housing within the City of Poway. The project would be designed to be aesthetically appealing and compatible with the surrounding residential neighborhoods. Landscaping, lighting, furnishings and the design of outdoor spaces would convey a similar theme through the use of simple designs inspired by natural materials colors and patterns.

Exhibit 2.1, Illustrative Site Plan, in Appendix Q, represents a conceptual design solution that fulfills the vision of the Specific Plan. The Illustrative Site Plan conveys the intended design character and implements the development program permitted by the Specific Plan. The open space recreation areas shown reflect the anticipated land uses and enhance the neighborhood setting envisioned for the project. Recreational uses are distributed throughout the neighborhood and provide ample opportunities for gathering and recreation for residents. Floodways are set aside in separate open space lots to ensure they remain in their existing natural condition.

The project would conform to the design guidelines outlined in the proposed Specific Plan for the project site (Harmon Ranch Specific Plan, Appendix Q).

The Specific Plan includes a General Plan Consistency Analysis, which demonstrates that the Specific Plan is generally consistent with applicable General Plan policies (Appendix Q). As described in Section 4.10, Land Use and Planning, the proposed project would not result in a conflict with any applicable land use plan, policy, or regulation for the purpose of avoiding or mitigating an environmental effect, which would include those governing scenic quality. Therefore, the proposed project would not conflict with any plans or policies governing scenic quality. The City has no ordinances governing scenic quality. Thus, because the proposed project is in an urbanized area and would not conflict with applicable zoning and other regulations governing scenic quality, impacts would be **less than significant.**

Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The project site is currently occupied by four existing single-family residences. Existing lighting on site is limited to associated interior and exterior lighting from residences.

As outlined in the Harmon Ranch Specific Plan (Appendix Q), lighting standards have been established for the project site. All lighting within the Specific Plan area would comply with Title 24 of the California Code of Regulations. In addition, lighting within the Specific Plan area would be required to conform to the Lighting Concept Plan and Conceptual Lighting Details outlined in the Specific Plan. Lighting guidelines are also established for the conceptual location of streetlights along the private streets and landscape lighting proposed at the community entry and open space areas.

The proposed project would also comply with Chapter 13.15 of the City's Municipal Code, as well as the City's Supplemental Engineering Standards (City of Poway 2012) with regard to outdoor lighting fixtures, street lighting, and safety lighting.

Windows on the proposed residences and buildings, and associated cars, have the potential to create new sources of glare. However, these uses and glare sources would not be inconsistent with the surrounding land uses, as the project site is surrounded by existing residential development. Also, the proposed project would not use highly reflective materials. Therefore, compliance with applicable lighting regulations and visual consistency with surrounding development would ensure that impacts due to new sources of light and glare would be **less than significant**.

4.1.5 Cumulative Impacts

Table 3-2 in Chapter 3 of this EIR identifies the projects generally considered for the cumulative analysis. More specifically, the geographic scope for analyzing cumulative impacts related to aesthetics focuses on lands in near proximity to the project site (e.g., public roadways).

Scenic Vistas

Cumulative projects located in the Poway region would have the potential to result in a cumulative impact to scenic vistas if, in combination, they would result in the obstruction, interruption, or detraction from a scenic vista. As described in Section 4.1.1, Existing Conditions, the City does not specifically designate scenic vistas. However, the City has open space recreational areas including the Lake Poway Recreational Area, Blue Sky Ecological Reserve, Sycamore Canyon, Iron Mountain and Mt. Woodson, which afford broad views of the City and various ridgelines to the north and east. Due to the distance of the project site from these recreational areas, in addition to the existing residential and commercial land uses to the west, north and east of the project site, it would be difficult to distinguish the proposed project from adjacent existing development and the project site would blend with the existing environment.

Due to the distance from open space and peaks affording views of the City, in addition to the proposed project's location on an infill site and congruency with the surrounding residential land uses, the proposed project **would not result in a cumulatively considerable impact** to scenic vistas.

Scenic Highways

State Scenic Highways are those highways that are either officially designated as state scenic highways by Caltrans or are eligible for such designation. There are no officially designated or eligible highways within the City. The closest designated State Scenic Highway is the portion of SR-125 between SR-94 and Interstate 8 near La Mesa, which is approximately 12 miles south of the project site. Since there are no designated or eligible state scenic highways within the City, **no cumulative impact** to a state scenic highway would occur.

Policy Consistency

As discussed in Section 4.1.4, Impacts Analysis, the proposed project is in an urbanized area, per CEQA, so impacts would only occur if the project would conflict with applicable zoning and other regulations governing scenic quality. Since the proposed project would not conflict with applicable zoning, as amended by the project, or any other regulations governing scenic quality, and because policy consistency is determined on a project-by-project basis, **no cumulative impact** would occur.

Light and Glare

The proposed project would have the potential to result in an incremental increase in light and glare associated with the new development. However, the City's Municipal Code, General Plan policies, and State Title 24 Regulations require new development to avoid glare impacts and minimize nighttime lighting. Specific Plan requirements are also included to avoid nuisance nighttime lighting. Cumulative projects would also be required to comply with these regulations, reducing cumulative impacts through collective regulatory compliance. Therefore, impacts would be less than significant, and the proposed project **would not result in a cumulatively considerable impact** related to light and glare.

4.1.6 Mitigation Measures

Implementation of the proposed project would not result in significant impacts to aesthetics. Therefore, no mitigation would be required.

4.1.7 Level of Significance after Mitigation

As previously stated, all potential impacts to aesthetics as a result of the proposed project would be less than significant, and no mitigation would be required.

4.2 Air Quality

This section describes the existing air quality conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing air quality; technical data; applicable laws, regulations, and guidelines; and the air quality and greenhouse gas technical report prepared by Dudek in June 2022. The Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Harmon Ranch Project is included in this environmental impact report (EIR) as Appendix B.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to air quality impacts focused on the following topics:

Air pollution from automobiles and construction equipment

Dust from construction

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.2.1 Existing Conditions

Environmental Setting

The project site is located within the San Diego Air Basin (SDAB) and is subject to the San Diego Air Pollution Control District (SDAPCD) guidelines and regulations. The SDAB is one of 15 air basins that geographically divide the State of California. The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in °F) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains to the east.

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east. Along with local meteorology, the topography influences the dispersal and movement of pollutants in the SDAB. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers as described in the next section.

The interaction of ocean, land, and the Pacific High Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

Meteorological and Topographical Conditions

The SDAB lies in the southwest corner of California, comprises the entire San Diego region (covering approximately 4,260 square miles), and is an area of high air pollution potential. The SDAB experiences warm summers, mild winters, infrequent rainfalls, light winds, and moderate humidity. This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The climate also drives the pollutant levels. The climate of San Diego is classified as Mediterranean, but it is incredibly diverse due to the topography. The climate is dominated by the Pacific High pressure system that results in mild, dry summers and mild, wet winters. The Pacific High drives the prevailing winds in the SDAB. The winds tend to blow onshore during the daytime and offshore at night. In the fall months, the SDAB is often impacted by Santa Ana winds. These winds are the result of a high pressure system over the Nevada–Utah region that overcomes the westerly wind pattern and forces hot, dry winds from the east to the Pacific Ocean (SDAPCD 2015a). The winds blow the air basin's pollutants out to sea. However, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase the San Diego ozone (O_3) concentrations. A strong Santa Ana also primes the vegetation for firestorm conditions.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. Another type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm. The shallow inversion layer formed between these two air masses can also trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O_3, commonly known as smog.

Light daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to emissions of carbon monoxide (CO) and oxides of nitrogen (NO_x). CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is produced almost entirely from automobiles, the highest CO concentrations in the basin are associated with heavy traffic. Nitrogen dioxide (NO_2) levels are also generally higher during fall and winter days when O_3 concentrations are lower.

The local climate in the southern part of the County of San Diego (County) is characterized as semi-arid with consistently mild, warmer temperatures throughout the year. The average summertime high temperature in the region is approximately 86°F. The average wintertime low temperature is approximately 39°F. Average precipitation in the local area is approximately 13.2 inches per year, with the bulk of precipitation falling between November and March (WRCC 2017).

Pollutants and Effects

Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O_3, NO_2, CO, sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. These pollutants, as well as toxic air contaminants (TACs), are discussed in

the following paragraphs.[1] In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

Ozone. O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly NO_x and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric ozone) and at the earth's surface in the troposphere (ozone).[2] The O_3 that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is, thus, considered "bad" O_3. Stratospheric, or "good," O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). These health problems are particularly acute in sensitive receptors such as the sick, the elderly, and young children.

Nitrogen Dioxide and Oxides of Nitrogen. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide, which is a colorless, odorless gas. NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016b).

NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources of NO_x are transportation and stationary fuel combustion sources, such as electric utility and industrial boilers.

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

1 The descriptions of each of the criteria air pollutants and associated health effects are based on EPA's (2016a) Criteria Air Pollutants and the CARB (2016a) Glossary of Air Pollutant Terms.

2 The troposphere is the layer of the earth's atmosphere nearest to the surface of the earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions.

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels.

SO_2 is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter, SO_2 can injure lung tissue and reduce visibility and the level of sunlight. SO_2 can also yellow plant leaves and erode iron and steel.

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) consists of particulate matter that is 10 microns or less in diameter (about 1/7 the thickness of a human hair). Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter ($PM_{2.5}$) consists of particulate matter that is 2.5 microns or less in diameter (roughly 1/28 the diameter of a human hair). $PM_{2.5}$ results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

People with influenza, people with chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death as a result of breathing particulate matter. People with bronchitis can expect aggravated symptoms from breathing in particulate matter. Children may experience a decline in lung function due to breathing in PM_{10} and $PM_{2.5}$ (EPA 2009).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the primary sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate health standards for VOCs as a group.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere. Sulfates can result in respiratory impairment and reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor that has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in the air can cause nervous system effects such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$, described above.

Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources,

location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than one micrometer in diameter (about 1/70th the diameter of a human hair) and, thus, is a subset of $PM_{2.5}$ (CARB 2016a). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2016a). CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines, including on-road diesel engines from trucks, buses, and cars; and off-road diesel engines from locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2016b). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and, overall, is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The fungus is very prevalent in the soils of California's San Joaquin Valley, particularly in Kern County. Kern County is considered a highly endemic county (i.e., more than 20 cases annually of Valley Fever per 100,000 people) based on the incidence rates reported through 2016 (California Department of Public Health 2017). The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

The County is not considered a highly endemic region for Valley Fever, as the latest report from the California Department of Public Health indicated the County has 4.4 cases per 100,000 people (California Department of Public Health 2017). Similarly, among the total reported incidents of Valley Fever from 2008 through 2017, only 0.8% of the cases reported in the County were in in the City's zip code (92064) (County of San Diego 2018).

Regional and Local Air Quality Conditions

San Diego Air Basin Attainment Designation

Pursuant to the 1990 federal CAA amendments, EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable." The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on CAAQS rather than the NAAQS. Table 4.2-1 depicts the current attainment status of the SDAB with respect to the NAAQS and CAAQS.

Table 4.2-1. San Diego Air Basin Attainment Classification

Pollutant	Designation/Classification	
	Federal Standards	*State Standards*
Ozone (O_3) – 1 hour	Attainment	**Nonattainment**
O_3 – (8 hour)	**Nonattainment (moderate)**	**Nonattainment**
Nitrogen Dioxide (NO_2)	Unclassifiable/attainment	Attainment
Carbon Monoxide (CO)	Attainment (maintenance)	Attainment
Sulfur Dioxide (SO_2)	Unclassifiable/attainment	Attainment
Coarse Particulate Matter (PM_{10})	Unclassifiable/attainment	**Nonattainment**
Fine Particulate Matter ($PM_{2.5}$)	Unclassifiable/attainment	**Nonattainment**
Lead	Unclassifiable/attainment	Attainment
Hydrogen Sulfide	No federal standard	Attainment
Sulfates	No federal standard	Unclassified
Visibility-Reducing Particles	No federal standard	Unclassified
Vinyl Chloride	No federal standard	No designation

Sources: EPA 2016c (federal); CARB 2016c (state).
Notes:
Attainment = meets the standards; Attainment/maintenance = achieve the standards after a nonattainment designation; Nonattainment = does not meet the standards; Unclassified or Unclassifiable = insufficient data to classify; Unclassifiable/ attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.
If nonattainment for federal standards, a clarifying classification will be provided indicating the severity of the nonattainment status.

In summary, the SDAB is designated as an attainment area for the 1997 8-hour O_3 NAAQS and as a nonattainment area for the 2008 8-hour O_3 NAAQS. The SDAB is designated as a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$ CAAQS. The portion of the SDAB where the proposed project would be located is designated as attainment or unclassifiable/unclassified for all other criteria pollutants under the NAAQS and CAAQS.

Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. Local ambient air quality is monitored by SDAPCD. SDAPCD operates a network of ambient air monitoring stations throughout the County that measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The nearest SDAPCD-operated monitoring station to the proposed project is the Kearny Villa Road monitoring station, which is located approximately 13 miles south of the project site. This Kearny Villa Road monitoring station was used to show the background ambient air quality for O_3, PM_{10}, $PM_{2.5}$, and NO_2 for the project site. For 2019 and 2020, data for PM_{10} was not available from the Kearny Villa Road monitoring station; the next closest station to the site is the El Cajon monitoring station. The monitoring station located on Rancho Carmel Drive was the closest to the proposed project that monitored CO. For SO_2, the First Street monitoring station was the closest to the project site. Table 4.2-2 presents the most recent background ambient air quality data and number of days exceeding the ambient air quality standards from 2018 to 2020.

Table 4.2-2. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2018	*2019*	*2020*	*2018*	*2019*	*2020*
Ozone (O_3) – Kearney Villa Road									
Maximum 1-hour Concentration	ppm	State	0.09	0.102	0.083	0.123	1	0	2
Maximum 8-hour Concentration	ppm	State	0.070	0.077	0.076	0.102	5	1	12
		Federal	0.070	0.077	0.075	0.102	5	1	10
Nitrogen Dioxide (NO_2) – Kearney Villa Road									
Maximum 1-hour Concentration	ppm	State	0.18	0.045	0.046	0.052	0	0	0
		Federal	0.100	0.045	0.046	0.052	0	0	0
Annual Concentration	ppm	State	0.030	0.008	0.008	0.007	0	0	0
		Federal	0.053	0.008	0.008	0.007	0	0	0
Carbon Monoxide (CO) – Rancho Carmel									
Maximum 1-hour Concentration	ppm	State	20	1.9	4.1	3.3	0	0	0
		Federal	35	1.9	4.1	3.3	0	0	0
Maximum 8-hour Concentration	ppm	State	9.0	1.4	2.5	1.7	0	0	0
		Federal	9	1.4	2.5	1.7	0	0	0
Sulfur Dioxide (SO_2) – First Street									
Maximum 1-hour Concentration	ppm	Federal	0.075	0.004	0.0008	0.002	0	0	0
Maximum 24-hour Concentration	ppm	State	0.04	0.0004	0.0003	0.0004	0	0	0
	ppm	Federal	0.140	0.0004	0.0003	0.0004	0	0	0
Annual Concentration	ppm	Federal	0.030	0.0001	0.0001	0.0001	0	0	0

Table 4.2-2. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2018	*2019*	*2020*	*2018*	*2019*	*2020*
Coarse Particulate Matter (PM_{10})[a] – Kearney Villa Road (2018), El Cajon (2019, 2020)									
Maximum 24-hour Concentration	µg/m³	State	50	38	37	55	0.0 (0)	0.0 (0)	0.0 (0)
		Federal	150	38	37	55	0.0 (0)	0.0 (0)	0.0 (0)
Annual Concentration	µg/m³	State	20	18.4	N/A	N/A	0	N/A	N/A
Fine Particulate Matter ($PM_{2.5}$)[a] – Kearney Villa Road									
Maximum 24-hour Concentration	µg/m³	Federal	35	32.2	16.2	47.5	0.0 (0)	0.0 (0)	5.8 (2)
Annual Concentration	µg/m³	State	12	8.3	7.0	8.7	0	0	0
		Federal	12.0	8.3	7.0	8.7	0	0	0

Sources: CARB 2022; EPA 2022.

Notes: ppm = parts per million; µg/m3 = micrograms per cubic meter; N/A = not available.

Data taken from CARB iADAM (http://www.arb.ca.gov/adam) and Environmental Protection Agency AirData (http://www.epa.gov/airdata/) represent the highest concentrations experienced over a given year.

Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O_3, annual PM_{10}, or 24-hour SO_2, nor is there a state 24-hour standard for $PM_{2.5}$.

[a] Measurements of PM_{10} and $PM_{2.5}$ are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). SDAPCD identifies sensitive receptors as those who are especially susceptible to adverse health effects from exposure to TACs, such as children, the elderly, and the ill. Sensitive receptors include schools (grades Kindergarten through 12), daycare centers, nursing homes, retirement homes, health clinics, and hospitals within 2 kilometers of the facility (SDAPCD 2015b). The closest sensitive receptors to the proposed project are residences adjacent to the property boundary.

4.2.2 Relevant Plans, Policies, and Ordinances

Federal

Criteria Air Pollutants

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. EPA is responsible for implementing most aspects of the CAA, including the setting of the National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant standards, approval of state attainment plans, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric O_3 protection, and enforcement provisions.

Under the CAA, NAAQS are established for the following criteria pollutants: O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead. The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

Hazardous Air Pollutants

The 1977 federal CAA amendments required EPA to identify national emission standards for hazardous air pollutants to protect public health and welfare. Hazardous air pollutants include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA amendments, which expanded the control program for hazardous air pollutants, 189 substances and chemical families were identified as hazardous air pollutants.

State

Criteria Air Pollutants

The federal CAA delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the CAA and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The CAAQS describe adverse conditions; that is, pollution levels must be below these standards before a basin can attain the standard. Air quality is considered “in attainment” if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, $PM_{2.5}$, and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. The NAAQS and CAAQS are presented in Table 4.2-3.

Table 4.2-3. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standardsa	National Standardsb	
		Concentration[c]	*Primary[c,d]*	*Secondary[c,e]*
O_3	1 hour	0.09 ppm (180 µg/m³)	N/A	Same as Primary Standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
SO_2[h]	1 hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)	N/A
	3 hours	N/A	N/A	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	N/A
	Annual	N/A	0.030 ppm (for certain areas)[g]	N/A
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m³	N/A	
$PM_{2.5}$[i]	24 hours	N/A	35 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m³	12.0 µg/m³	15.0 µg/m³
Lead[j,k]	30-day Average	1.5 µg/m³	N/A	N/A
	Calendar Quarter	N/A	1.5 µg/m³ (for certain areas)[k]	Same as Primary Standard
	Rolling 3-Month Average	N/A	0.15 µg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m³)	N/A	N/A
Vinyl chloride[j]	24 hours	0.01 ppm (26 µg/m³)	N/A	N/A
Sulfates	24 hours	25 µg/m³	N/A	N/A
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	N/A	N/A

Source: CARB 2016b; EPA 2016d.

Notes: O_3 = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; N/A = not available; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

[a] California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

[e] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[f] On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[g] To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[h] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m³ to 12 µg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

[j] California Air Resources Board has identified lead and vinyl chloride as toxic air contaminants with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[k] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

Toxic Air Contaminants

A TAC is defined by California law as an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health. Federal laws use the hazardous air pollutants to refer to the same types of compounds that are referred to as TACs under state law. California regulates TACs primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588).

AB 1807 sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB can designate a substance as a TAC. Pursuant to AB 2588, existing facilities that emit air pollutants above specified levels were required to (1) prepare a TAC emission inventory plan and report; (2) prepare a risk assessment if TAC emissions were significant; (3) notify the public of significant risk levels; and (4) if health impacts were above specified levels, prepare and implement risk reduction measures.

The following regulatory measures pertain to the reduction of DPM and criteria pollutant emissions from off-road equipment and diesel-fueled vehicles.

Idling of Commercial Heavy Duty Trucks (13 CCR 2485)

In July 2004, CARB adopted an Airborne Toxic Control Measure (ATCM) to control emissions from idling trucks. The ATCM prohibits idling for more than 5 minutes for all commercial trucks with a gross vehicle weight rating over 10,000 pounds. The ATCM contains an exception that allows trucks to idle while queuing or involved in operational activities.

In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.)

In July 2007, CARB adopted an ATCM for in-use off-road diesel vehicles. This regulation requires that specific fleet average requirements are met for NO_x emissions and for particulate matter emissions. Where average requirements cannot be met, best available control technology requirements apply. The regulation also includes several recordkeeping and reporting requirements.

In response to AB 8 2X, the regulations were revised in July 2009 (effective December 3, 2009) to allow a partial postponement of the compliance schedule in 2011 and 2012 for existing fleets. On December 17, 2010, CARB adopted additional revisions to further delay the deadlines reflecting reductions in diesel emissions due to the poor economy and overestimates of diesel emissions in California. The revisions delayed the first compliance date until no earlier than January 1, 2014, for large fleets, with final compliance by January 1, 2023. The compliance dates for medium fleets were delayed until an initial date of January 1, 2017, and final compliance date of January 1, 2023. The compliance dates for small fleets were delayed until an initial date of January 1, 2019, and final compliance date of January 1, 2028. Correspondingly, the fleet average targets were made more stringent in future compliance years. The revisions also accelerated the phaseout of older equipment with newer equipment added to existing large and medium fleets over time, requiring the addition of Tier 2 or higher engines starting on March 1, 2011, with some exceptions: Tier 2 or higher engines on January 1, 2013, without exception; and Tier 3 or higher engines on January 1, 2018 (January 1, 2023, for small fleets).

On October 28, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulation. The amendments included revisions to the applicability section and additions and revisions to the definition. The initial date for requiring the addition of Tier 2 or higher engines for large and medium fleets, with some exceptions, was revised to January 1, 2012. New provisions also allow for the removal of emission control devices for safety or visibility purposes. The regulation also was amended to combine the particulate matter and NO_x fleet average targets under one, instead of two, sections. The amended fleet average targets are based on the fleet's NO_x fleet average, and the previous section regarding particulate matter performance requirements was deleted completely. The best available control technology requirements, if a fleet cannot comply with the fleet average requirements, were restructured and clarified. Other amendments to the regulations included minor administrative changes to the regulatory text.

In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025)

On December 12, 2008, CARB adopted an ATCM to reduce NO_x and particulate matter emissions from most in-use on-road diesel trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. The original ATCM regulation required fleets of on-road trucks to limit their NO_x and particulate matter emissions through a combination of exhaust retrofit equipment and new vehicles. The regulation limited particulate matter emissions for most fleets by 2011, and limited NO_x emissions for most fleets by 2013. The regulation did not require any vehicle to be replaced before 2012 and never required all vehicles in a fleet be replaced.

In December 2009, the CARB Governing Board directed staff to evaluate amendments that would provide additional flexibility for fleets adversely affected by the struggling California economy. On December 17, 2010, CARB revised this ATCM to delay its implementation along with limited relaxation of its requirements. Starting on January 1, 2015, lighter trucks with a gross vehicle weight rating of 14,001 to 26,000 pounds with 20-year-old or older engines need to be replaced with newer trucks (2010 model year emissions equivalent as defined in the regulation). Trucks with a gross vehicle weight rating greater than 26,000 pounds with 1995 model year or older engines needed to be replaced as of January 1, 2015. Trucks with 1996 to 2006 model year engines must install a Level 3 (85% control) diesel particulate filter starting on January 1, 2012, to January 1, 2014, depending on the model year, and then must be replaced after 8 years. Trucks with 2007 to 2009 model year engines have no requirements until 2023, at which time they must be replaced with 2010 model year emissions-equivalent engines, as defined in the regulation. Trucks with 2010 model year engines would meet the final compliance requirements. The ATCM provides a phase-in option under which a fleet operator would equip a percentage of trucks in the fleet with diesel particulate filters, starting at 30% as of January 1, 2012, with 100% by January 1, 2016. Under each option, delayed compliance is granted to fleet operators who have or will comply with requirements before the required deadlines.

On September 19, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulations, including revisions to the compliance schedule for vehicles with a gross vehicle weight rating of 26,000 pounds or less to clarify that *all* vehicles must be equipped with 2010 model year emissions equivalent engines by 2023. The amendments included revised and additional credits for fleets that have downsized; implement early particulate matter retrofits; incorporate hybrid vehicles, alternative-fueled vehicles, and vehicles with heavy-duty pilot ignition engines; and implement early addition of newer vehicles. The amendments included provisions for additional flexibility, such as for low-usage construction trucks, and revisions to previous exemptions, delays, and extensions. Other amendments to the regulations included minor administrative changes to the regulatory text, such as recordkeeping and reporting requirements related to other revisions.

California Health and Safety Code Section 41700

Section 41700 of the California Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

Local

San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The proposed project area is located within the SDAB and is subject to the guidelines and regulations of SDAPCD.

In the County, O_3 and particulate matter are the pollutants of main concern since exceedances of state ambient air quality standards for those pollutants have been observed in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM_{10}, $PM_{2.5}$, and O_3 standards. The SDAB is also a federal O_3 attainment (maintenance) area for 1997 8-hour O_3 standard, an O_3 nonattainment area for the 2008 8-hour O_3 standard, and a CO maintenance area (western and central part of the SDAB only, including the proposed project area).

Federal Attainment Plans

In December 2016, SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County (2008 O_3 NAAQS), which indicated that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard (1997 O_3 NAAQS) by 2018 (SDAPCD 2016a). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS) to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

Currently, the County is designated as moderate nonattainment for the 2008 NAAQS and maintenance for the 1997 NAAQS. As documented in the 2016 8-Hour Ozone Attainment Plan for San Diego County, the County has a likely chance of obtaining attainment due to the transition to low-emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. The County will also continue emission control measures, including ongoing implementation of existing regulations in O_3 precursor reduction to stationary and area-wide sources, subsequent inspections of facilities and sources, and the adoption of laws requiring best available retrofit control technology for control of emissions (SDAPCD 2016a).

State Attainment Plans

Although CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project site is located within the SDAB and is subject to SDAPCD guidelines and regulations.

SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The RAQS for the SDAB was initially adopted in 1991 and is updated every 3 years (most recently in 2020). The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O_3. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of development of their general plans.

The 8-Hour Ozone Attainment Plan for San Diego County indicated that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard by 2018 (SDAPCD 2016a). In this plan, SDAPCD relied on the RAQS to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these contaminants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS. In response to court decisions, some elements in the 8-hour Ozone Attainment Plan for San Diego County required updates. CARB staff prepared the 2018 Updates to the California SIP to update SIP elements for nonattainment areas throughout the state. The applicable ozone attainment date for San Diego County is in 2032. The 2020 Ozone Attainment Plan

this complies with the Severe Nonattainment Area classification planning requirements and includes demonstrations for attainment of the 75 ppb and 70 ppb ozone standards by 2026 and 2032, respectively. The 2020 Plan includes a regionwide inventory of O_3 forming emissions, a reasonably further progress demonstration showing emissions reductions during the years leading to the attainment dates; an assessment of Reasonably Available Control Technology (RACT) and Reasonably Available Control Measures (RACM); and contingency measures in the event the emissions controls fall short of achieving the needed reductions.

In December 2005, SDAPCD also prepared a report titled "Measures to Reduce Particulate Matter in San Diego County" to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM_{10} and $PM_{2.5}$). In the report, SDAPCD evaluates implementation of source-control measures that would reduce PM emissions associated with residential wood combustion (SDAPCD 2005).

SDAPCD Rules and Regulations

As stated above, SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD and would apply to the proposed project.

SDAPCD Regulation II: Permits; Rule 20.2: New Source Review Non-Major Stationary Sources

This rule requires new or modified stationary source units (that are not major stationary sources) with the potential to emit 10 pounds per day or more of VOC, NO_x, SO_x, or PM_{10} to be equipped with best available control technology. For those units with a potential to emit above Air Quality Impact Assessments Trigger Levels, the units must demonstrate that such emissions would not violate or interfere with the attainment of any national air quality standard (SDAPCD 2016b).

The proposed project does not propose specific stationary sources. If stationary sources were to be included as part of the proposed project, or at a later date, those sources would be subject to Rule 20.2 and would require appropriate operating permits from SDAPCD. Because SDAPCD has not adopted specific criteria air pollutant thresholds for CEQA analyses, the thresholds identified in Rule 20.2 are utilized in this analysis as screening-level thresholds to evaluate project-level impacts, as discussed in Section 4.2.3, Thresholds of Significance.

SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions

This rule prohibits discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than 3 minutes in any period of 60 consecutive minutes, which is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart (SDAPCD 1997).

Construction of the proposed project may result in visible emissions, primarily during earth-disturbing activities, which would be subject to SDAPCD Rule 50. Although visible emissions are less likely to occur during operation of the proposed project, compliance with SDAPCD Rule 50 would be required during both construction and operational phases.

SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance

This rule prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).

Any criteria air pollutant emissions, TAC emissions, or odors that would be generated during construction or operation of the proposed project would be subject to SDAPCD Rule 51. Violations can be reported to SDAPCD in the form of an air quality complaint by telephone, email, and online form. Complaints are investigated by SDAPCD as soon as possible.

SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust

This rule regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project area (SDAPCD 2009).

Construction of the proposed project, primarily during earth-disturbing activities, may result in fugitive dust emissions that would be subject to SDAPCD Rule 55. Fugitive dust emissions are not anticipated during operation of the proposed project.

SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings

This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015b). Construction and operation of the proposed project would include application of architectural coatings (e.g., paint and other finishes), which are subject to SDAPCD Rule 67.0.1. Architectural coatings used in the reapplication of coatings during operation of the proposed project would be subject to the VOC content limits identified in SDAPCD Rule 67.0.1, which applies to coatings manufactured, sold, or distributed within the County.

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1200: Toxic Air Contaminants - New Source Review

This rule requires new or modified stationary source units with the potential to emit TACs above rule threshold levels to either demonstrate that they will not increase the maximum incremental cancer risk above 1 in 1 million at every receptor location; demonstrate that toxics best available control technology will be employed if maximum incremental cancer risk is equal to or less than 10 in 1 million; or demonstrate compliance with SDAPCD's protocol for those sources with an increase in maximum incremental cancer risk at any receptor location of greater than 10 in 1 million but less than 100 in 1 million (SDAPCD 2017a).

The proposed project does not currently include specific stationary sources that would generate TACs that are not commonly associated with residential and commercial development projects. If stationary sources with the potential to emit TACs were to be included as part of the proposed project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1200 and would be subject to new source review requirements.

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1210: Toxic Air Contaminant Public Health Risks –Public Notification and Risk Reduction

This rule requires each stationary source required to prepare a public risk assessment to provide written public notice of risks at or above the following levels: maximum incremental cancer risks equal to or greater than 10 in 1 million, cancer burden equal to or greater than 1.0, total acute non-cancer health hazard index equal to or greater than 1.0, or total chronic non-cancer health hazard index equal to or greater than 1.0 (SDAPCD 2017b).

The proposed project does not currently include specific stationary sources that would generate TACs. If stationary sources with the potential to emit TACs were to be included as part of the proposed project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1210 and would be subject to public notification and risk reduction requirements.

San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how the region will grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050.

In regards to air quality, the Regional Plan sets the policy context in which SANDAG participates in and responds to the air district's air quality plans and builds off the air district's air quality plan processes that are designed to meet health-based criteria pollutant standards in several ways (SANDAG 2015). First, it complements air quality plans by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in air quality plans. Second, the Regional Plan emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On September 23, 2016, SANDAG's Board of Directors adopted the final 2016 Regional Transportation Improvement Program, which is a multi-billion-dollar, multi-year program of proposed major transportation projects in the San Diego region. Transportation projects funded with federal, state, and TransNet (the San Diego transportation sales tax program) must be included in an approved Regional Transportation Improvement Program. The programming of locally funded projects also may be programmed at the discretion of the agency. The 2016 Regional Transportation Improvement Program covers 5 fiscal years and incrementally implements the Regional Plan (SANDAG 2016).

The 2021 Regional Plan, adopted by SANDAG on December 10, 2021, provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes an SCS, as required by California SB 375 (Steinberg, 2008), for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then.

The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policy and strategies to limit air pollution (City of Poway 1991):

Policy E – Air, Water and Soil Pollution: The City shall work locally and at the regional level to reduce air, water, and soil pollution within Poway.

- **Strategy 1:** Work closely with regional agencies to help control all forms of pollution.
- **Strategy 2:** Seek to promote a development pattern that reduces daily trips for shopping, school, and recreation.
- **Strategy 3:** Encourage ridesharing, the use of transit and other transportation systems management programs to reduce the number of vehicle miles traveled and traffic congestion.
- **Strategy 4:** Consider the use of clean fuel systems for new local government fleet vehicles.
- **Strategy 5:** Implement plans and programs to phase-in energy conservation improvements.
- **Strategy 6:** Investigate incentives and regulations to reduce emissions from swimming pools, residential and commercial water heating and heaters.

4.2.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to air quality are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to air quality would occur if the project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the project would have a significant impact on air quality.

As part of its air quality permitting process, SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources (SDAPCD 2016c). SDAPCD sets forth quantitative emissions thresholds below which a stationary source would not have a significant impact on

ambient air quality. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 4.2-4 are exceeded.

Table 4.2-4. San Diego Air Pollution Control District Air Quality Significance Thresholds

Construction Emissions			
Pollutant	*Total Emissions (Pounds per Day)*		
Respirable Particulate Matter (PM_{10})	100		
Fine Particulate Matter ($PM_{2.5}$)	55		
Oxides of Nitrogen (NO_x)	250		
Oxides of Sulfur (SO_x)	250		
Carbon Monoxide (CO)	550		
Volatile Organic Compounds (VOCs)	75[a]		
Operational Emissions			
	Total Emissions		
Pollutant	*Pounds per Hour*	*Pounds per Day*	*Tons per Year*
PM_{10}	N/A	100	15
$PM_{2.5}$	N/A	55	10
NO_x	25	250	40
SO_x	25	250	40
CO	100	550	100
Lead and Lead Compounds	N/A	3.2	0.6
VOCs	N/A	75[a]	13.7

Sources: SDAPCD 1995; SDAPCD 2016b.
Notes: N/A = not available.
[a] VOC threshold based on the threshold of significance for VOCs from the South Coast Air Quality Management District for the Coachella Valley as stated in the San Diego County Guidelines for Determining Significance.

The thresholds listed in Table 4.2-4 represent screening-level thresholds that can be used to evaluate whether project-related emissions could cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 4.2-4, the proposed project could have the potential to result in a cumulatively considerable net increase in these pollutants and, thus, could have a significant impact on the ambient air quality.

With respect to odors, SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments, provides guidance with which to perform health risk assessments (HRAs) within the SDAB. The current SDAPCD thresholds of significance for TAC emissions from the operations of both permitted and non-permitted sources are combined and are less than 10 in 1 million for cancer and less than one for the chronic hazard index (SDAPCD 2015c).

4.2.3.1 Approach and Methodology

Construction

Emissions from the construction phase of the proposed project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0.

The proposed project would develop 63 single-family homes. For the purposes of modeling, it was assumed that construction of the proposed project would commence in February 2024[3] and would last approximately 29 months, ending in June 2026. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Demolition – 2 months
- Site Preparation – 1 month
- Grading – 6 months
- Paving – 3 months
- Building Construction – 18 months
- Architectural Coating – 15 months

The majority of the phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the project applicant. Detailed construction equipment modeling assumptions are provided in Appendix A, CalEEMod Outputs, of Appendix B to this EIR.

The construction equipment mix used for estimating the construction emissions of the proposed project is based on information provided by the project applicant and is shown in Table 4.2-5.

Table 4.2-5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
Demolition	16	4	40	Concrete/Industrial Saws	1	8
				Excavators	3	8
				Rubber Tired Dozers	2	8
Site Preparation	18	4	0	Rubber Tired Dozers	3	8
				Tractors/Loaders/ Backhoes	4	8
Grading	20	4	0	Excavators	2	8

[3] The analysis assumes a construction start date of February 2024, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 4.2-5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
				Graders	1	8
				Rubber Tired Dozers	1	8
				Scrapers	2	8
				Tractors/Loaders/ Backhoes	2	8
Paving	16	4	0	Pavers	2	8
				Paving Equipment	2	8
				Rollers	2	8
Building Construction	46	16	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/ Backhoes	3	7
				Welders	1	8
Architectural Coating	10	4	0	Air Compressors	1	6

Note: See Appendix B for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during proposed project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips.

There will be removal of three existing houses as represented in the demolition phase. Proposed project construction grading would be balanced on site and no import or export of soils would occur. It is anticipated that earth movement would be primarily, if not completely, accomplished using off-road equipment (e.g., scrapers and excavators); however, on-site truck trips were conservatively assumed in the event cut and fill would be transported via trucks within the site boundary.

Construction of proposed project components would be subject to SDAPCD Rule 55, Fugitive Dust Control, which requires that proposed construction include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009). Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during proposed grading and construction activities.

A detailed depiction of the construction schedule—including information regarding subphases and equipment used during each subphase—is included in Appendix B of this report. The information contained in Appendix B was used as CalEEMod model inputs.

Health Risk Assessment

As a precautionary measure, an HRA was performed to assess the impact of construction on sensitive receptors proximate to the project site (provided as Appendix B). This report includes an HRA associated with emissions from construction of the proposed project based on the methodologies prescribed in the Office of Environmental Health

Hazard Assessment (OEHHA) document, Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA Guidelines) (OEHHA 2015). To implement the OEHHA Guidelines based on proposed project information, SDAPCD has developed a three-tiered approach where each successive tier is progressively more refined, with fewer conservative assumptions. The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (SDAPCD 2022), provides guidance with which to perform HRAs within the SDAB.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. SDAPCD recommends a carcinogenic (cancer) risk threshold of 10 in 1 million. Additionally, some TACs increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. SDAPCD recommends a Chronic Hazard Index significance threshold of one (project increment). The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment. The HRA for the proposed project evaluated the risk to future residents from diesel emissions from exhaust from on-site construction equipment and diesel haul and vendor trucks.

The dispersion modeling of DPM was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which is the model SDAPCD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain (EPA 2018). For the proposed project, AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations were determined for construction emissions using AERMOD and the maximum concentrations determined for the 1-hour and period-averaging periods. Principal parameters of this modeling are presented in Table 4.2-6.

Table 4.2-6. AERMOD Principal Parameters

Parameter	Details
Meteorological Data	The latest 3-year meteorological data (2014–2016) for the Kearny Villa Road Station from SDAPCD were downloaded and then input to AERMOD.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. However, based on the SDAPCD guidelines, the rural dispersion option was selected due to the proposed project's proximity to the ocean.
Terrain Characteristics	The terrain in the vicinity of the modeled project site is generally flat. The elevation of the modeled site is about 450 to 600 feet above sea level. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.
Elevation Data	Digital elevation data were imported into AERMOD, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with a 10-meter resolution.
Emission Sources and Release Parameters	Air dispersion modeling of DPM from construction equipment was conducted using emissions estimated using the CalEEMod, assuming emissions would occur 8 hours per day, 5 days per week. The proposed project area was modeled as a series of line-volume sources.

Table 4.2-6. AERMOD Principal Parameters

Parameter	Details
Source Release Characterizations	The source release height was assumed to be 3.4 meters with plume height of 6.8 meters and width of 8.6 meters per volume source (EPA 2018).
Discrete Receptors	A course uniform cartesian grid was placed over receptors around the project site. A fine cartesian grid of 20-meter spacing was placed over the most impacted area. Discrete receptors were placed on residential receptors outside of the cartesian grids.

Notes: AERMOD = American Meteorological Society/EPA Regulatory Model; SDAPCD = San Diego Air Pollution Control District; DPM = diesel particulate matter; CalEEMod = California Emissions Estimator Model.
See Appendix B for additional information.

Dispersion model plotfiles from AERMOD were then imported into CARB's Hotspots Analysis and Reporting Program Version 2 to determine health risk, which requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. For the residential health risk, the HRA assumes exposure would start in the third trimester of pregnancy. The results of the HRA are provided in Section 4.2.4, Impact Analysis, and detailed results and methodology are provided in Appendix B.

Operation

Emissions from the operational phase of the proposed project were estimated using CalEEMod. Operational year 2026 was assumed as it would be the first year following completion of proposed construction.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The project would not include wood burning stoves or hearths. Natural gas was assumed for stoves and hearths.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2021). Consumer product VOC emissions for the buildings are estimated in CalEEMod based on the floor area of buildings and on the default factor of pounds of VOC per building square foot per day. Consumer products associated with the parking lot and other asphalt surfaces include degreasers, which were estimated based on the square footage of the parking lot and the default factor of pounds of VOC per square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from the application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emissions factor is based on the VOC content of the surface coatings, and SDAPCD's Rule 67.0.1 (Architectural Coatings) governs the VOC content for interior and exterior coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of

various coating categories (SDAPCD 2015b). The proposed project would use architectural coatings that would not exceed 50 grams per liter for interior applications and 100 grams per liter for exterior applications consistent with SDAPCD Rule 67.0.1. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2017).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

Mobile Sources

Following the completion of construction activities, the proposed project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the residents and patrons at the commercial uses of the proposed project. The maximum weekday trip rates were taken from the Transportation Impact Study prepared for the project (Appendix M). The estimated weekday vehicle miles traveled (VMT) for the proposed project were based off the Transportation Impact Study. The weekend trip rates were adjusted based on CalEEMod default trip rates. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within the CalEEMod. Emission factors representing the vehicle mix and emissions for 2026 were used to estimate emissions associated with vehicular sources.

4.2.4 Impacts Analysis

Would the project conflict with or obstruct implementation of the applicable air quality plan?

As mentioned in Section 4.2.2, Relevant Plans, Policies, and Ordinances, SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the basin—specifically, the SIP and RAQS.[4] The federal O_3 maintenance plan, which is part of the SIP, was adopted in 2012. The most recent O_3 attainment plan was adopted in 2016. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated on a triennial basis (most recently in 2016). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O_3. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County as a whole and the cities in the County, to project future emissions and

[4] For the purpose of this discussion, the relevant federal air quality plan is the ozone maintenance plan (SDAPCD 2012). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans.

If a project proposes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality. The project site is designated as Residential Single Family 7 (RS-7) (City of Poway 1991). Therefore, the proposed project would be consistent with the land use zoning for the site.

Implementation of the proposed project would result in an increase in 63 residential units. SANDAG's 2021 Regional Plan, was adopted on December 10, 2021 and is the current growth forecast; it estimates that the City would have 17,092 units in 2025 and 18,017 units in 2035 (SANDAG 2021). This would equate to an additional 93 units per year from 2025 to 2035. The proposed project is expected to bring 63 units to market in 2026. Therefore, while the proposed project would be consistent with the current land use designation for the site, the proposed project would not conflict with SANDAG's regional growth forecast for the City, which accounts for residential growth in the City.

While SDAPCD and the City do not provide guidance regarding the analysis of impacts associated with air quality plan conformance, the County's Guidelines for Determining Significance and Report and Format and Content Requirements – Air Quality does discuss conformance with the RAQS (County of San Diego 2007). The guidance indicates that if a project, in conjunction with other projects, contributes to growth projections that would not exceed SANDAG's growth projections for the City, the project would not be in conflict with the RAQS (County of San Diego 2007). As previously discussed, the proposed project would not contribute to growth in the region that is not already accounted for. Therefore, impacts would be **less than significant**.

Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality.

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (worker vehicle trips). Construction emissions can vary substantially day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions.

Criteria air pollutant emissions associated with construction activity were quantified using CalEEMod. Default values provided by the program were used where detailed proposed project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 4.2.3.1, Approach and Methodology, above. The information contained in Appendix B was used as CalEEMod inputs.

Implementation of the proposed project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, asphalt pavement application, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. The proposed project would be subject to SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the proposed project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities.

Exhaust from internal combustion engines used by construction equipment and worker vehicles would result in emissions of VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. The application of asphalt pavement and architectural coatings would also produce VOC emissions.

Table 4.2-7 shows the estimated maximum daily construction emissions associated with construction of the proposed project without mitigation. Complete details of the emissions calculations are provided in Appendix B.

Table 4.2-7. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions – Unmitigated

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
2024	4.83	45.30	48.39	0.10	6.44	3.62
2025	4.38	20.04	29.17	0.05	1.51	0.98
2026	4.37	12.58	16.21	0.03	1.09	0.63
Maximum	**4.83**	**45.30**	**48.39**	**0.10**	**6.44**	**3.62**
SDAPCD Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SDAPCD = San Diego Air Pollution Control District; CalEEMod = California Emissions Estimator Model.
See Appendix B for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. Although not considered mitigation, these emissions reflect the CalEEMod "mitigated" output, which accounts for the required compliance with SDAPCD Rule 55 (Fugitive Dust) and Rule 67.0.1 (Architectural Coatings).

As shown in Table 4.2-7 daily construction emissions would not exceed the significance thresholds. Therefore, impacts during construction would be **less than significant**.

Operational Emissions

Operation of the proposed project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources (vehicle trips), area sources (consumer products, landscape maintenance equipment), and energy sources. As discussed in Section 4.2.3.1, pollutant emissions associated with long-term operations were quantified using CalEEMod. Project-generated mobile source emissions were estimated in CalEEMod based on project-specific trip rates and VMT. CalEEMod default values were used to estimate emissions from the proposed project area and energy sources.

Table 4.2-8 presents the maximum daily area, energy, and mobile source emissions associated with operation (Year 2026) of the proposed project. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emission calculations are provided in Appendix B.

Table 4.2-8. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
Area	2.97	1.10	5.64	0.01	0.11	0.11
Energy	0.04	0.34	0.15	0.00	0.03	0.03
Mobile	1.51	1.48	12.89	0.03	3.02	0.82
Total	**4.52**	**2.92**	**18.68**	**0.04**	**3.16**	**0.96**
SDAPCD Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM10 = coarse particulate matter; PM2.5 = fine particulate matter; SDAPCD = San Diego Air Pollution Control District; CalEEMod = California Emissions Estimator Model.
See Appendix B for complete results.
Negative values are presented in parentheses.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. These emissions reflect the CalEEMod "mitigated" output, which accounts for compliance with SDAPCD Rule 67.0.1 (Architectural Coatings).

As shown in Table 4.2-8, the combined daily area, energy, and mobile source emissions would not exceed SDAPCD's operational thresholds for VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. The SDAB is a nonattainment area for O_3 under the NAAQS and CAAQS. The poor air quality in the SDAB is the result of cumulative emissions from motor vehicles, off-road equipment, commercial and industrial facilities, and other emission sources. Projects that emit these pollutants or their precursors (i.e., VOCs and NO_x for O_3) potentially contribute to poor air quality. In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less-than-significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, a project would only be considered to have a significant cumulative impact if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions in the basin to ensure the SDAB continues to make progress toward NAAQS- and CAAQS-attainment status. As such, cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents upon which the RAQS is based would have the potential to result in cumulative operational impacts if they represent development and population increases beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the basin. As discussed previously, the proposed project would not exceed significance thresholds during construction or operation.

Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the

cities and the County as part of the development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As stated previously, the proposed project would be consistent with the existing zoning and land use designation for the site and would not result in significant regional growth that is not accounted for within the RAQS. As a result, the proposed project would not result in a cumulatively considerable contribution to regional O_3 concentrations or other criteria pollutant emissions. Cumulative impacts would be **less than significant** during construction and operation.

Would the project expose sensitive receptors to substantial pollutant concentrations?

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts upon those persons termed "sensitive receptors" are the most serious hazards of existing air quality conditions in the area. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by CARB (2005), include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. As such, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes. The closest sensitive receptors to the proposed project are residences adjacent to the property boundaries. The proposed project would also introduce new on-site sensitive receptors (residences) to the area.

Health Impacts of Toxic Air Contaminants

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology (OEHHA 2015). In addition, some TACs have noncarcinogenic effects. TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB ATCMs to reduce DPM emissions. According to the OEHHA, HRAs should be based on a 30-year exposure duration based on typical residency period; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of proposed construction activities (approximately 29 months) would only constitute a small percentage of the total long-term exposure period and would not result in exposure of proximate sensitive receptors to substantial TACs. After proposed construction is completed, there would be no long-term source of TAC emissions during operation.

However, as a precautionary measure an HRA was performed to evaluate the risk from diesel exhaust emissions on existing sensitive receptors from construction activities. The HRA methodology was described in Section 4.2.3.1, and the detailed assessment is provided in Appendix B. Table 4.2-9 summarizes the results of the HRA for proposed project construction.

Table 4.2-9. Construction Activity Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	133.2	10.0	**Potentially Significant**
HIC	Not Applicable	0.08	1.0	Less than Significant

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results of the HRA demonstrate that the TAC exposure from construction diesel exhaust emissions would result in cancer risk on site above the 10 in 1 million threshold, as well as Chronic Hazard Index less than one. Therefore, TAC emissions from operation of the proposed project may expose sensitive receptors to substantial pollutant concentrations and would result in a **potentially significant** impact.

Health Impacts of Carbon Monoxide

As described previously, exposure to high concentrations of CO can result in dizziness, fatigue, chest pain, headaches, and impairment of central nervous system functions. Mobile-source impacts, including those related to CO, occur on two scales. Regionally, project-related construction travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SDAB. Locally, construction traffic would be added to the roadway system in the vicinity of the project site. Although the SDAB is currently an attainment area for CO, there is a potential for the formation of microscale CO "hotspots" to occur immediately around points of congested traffic. Hotspots can form if such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and/or is operating on roadways already crowded with non-project traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing. The SDAB is a CO maintenance area (western and central part of the SDAB only).

The Governor's Office of Planning and Research and the California Natural Resources Agency have issued new CEQA Guidelines for analyzing transportation impacts. By July 1, 2020, all CEQA lead agencies must analyze a project's transportation impacts using VMT. Vehicle-miles traveled measures the distances vehicles will travel to and from a project, rather than congestion levels at intersections (level of service [LOS], graded on a scale of A–F). To account for this shift from LOS to VMT – such that vehicle congestion is no longer modeled and available – but to nonetheless evaluate the potential for CO hotspots for the hypothetical development scenario, this analysis utilizes CO modeling analyses performed by the South Coast Air Quality Management District (SCAQMD) relative to 1-hour and 8-hour concentrations as follows.

SCAQMD conducted CO modeling for the 2003 Air Quality Management Plan (Appendix V of SCAQMD 2003) for the four worst-case intersections in the South Coast Air Basin: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 Air Quality Management Plan was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 parts per million (ppm) at the intersection of Wilshire Boulevard and Veteran Avenue.

A daily traffic volume of 100,000 vehicles (as considered in the SCAQMD modeling) as a result of the proposed project, would be at multiple times the traffic volumes of nearby intersections (Appendix L, Local Transportation Assessment for Harmon Ranch). However, if "peak" modeled 1-hour concentration from SCAQMD's analysis of 100,000 vehicle traffic volumes of the 4.6 ppm were added to the maximum 1-hour CO concentration from 2018 through 2020 at the San Diego – 11403 Rancho Carmel Drive monitoring station (see Table 4.2-2, Local Ambient Air Quality Data) of 4.1 ppm (in 2019), the 1-hour CO concentration in the project area would total 8.7 ppm. This "worst case scenario" – modeling at least double the traffic compared to that experienced in the proposed project area – would still result in 1-hour CO concentrations well below the CAAQS 1-hour CO threshold of 20 ppm.

Concerning 8-hour concentrations, SCAQMD modeled future year 8-hour CO concentrations at the Central Los Angeles monitoring site of 4.6 ppm in 2020. Adding the 4.6 ppm to the maximum 8-hour CO concentration from 2018 through 2020 at the San Diego – 11403 Rancho Carmel Drive monitoring station (see Table 4.2-2, Local Ambient Air Quality Data) of 2.5 ppm (in 2019) would result in a total 8-hour CO concentration of 7.1 ppm. Again, this "worst case scenario" 8-hour CO concentration assuming traffic counts far above that experienced in the proposed project area would still be well below the CAAQS 8-hour threshold of 9.0 ppm.

Said another way, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would cause area traffic volumes to exceed 100,000 vehicles per day. The proposed project would not increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day (Appendix L). Therefore, the proposed project is not anticipated to create a CO hotspot. As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the project and hypothetical development scenario's contribution to cumulative traffic-related air quality impacts would be less than significant.

Health Impacts of Other Criteria Air Pollutants

Construction and operation of the proposed project would not result in emissions that exceed SDAPCD's emission thresholds for any criteria air pollutants. Regarding VOCs, some VOCs are associated with motor vehicles and construction equipment, while others are associated with architectural coatings, the emissions of which would not result in the exceedances of SDAPCD's thresholds. Generally, the VOCs in architectural coatings are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

In addition, VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by EPA as an attainment area for the 1-hour O_3 NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O_3, as discussed in Section 4.2.1 under Pollutants and Effects, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SDAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur, because exceedances of the O_3 ambient air quality standards tend to occur between April and October when solar radiation is highest.

The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, the VOC and NO_x emissions associated with proposed project construction and operations could minimally contribute to regional O_3 concentrations and the associated health impacts. Due to the minimal contribution during construction and operation, as well as the existing good air quality in Coastal San Diego areas, health impacts would be considered less than significant.

Regarding NO_2, according to the construction emissions analysis, construction of the proposed project would not contribute to exceedances of the NAAQS and CAAQS for NO_2. As described in Section 4.2.1, health impacts from exposure to NO_2 and NO_x are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term. Additionally, off-road construction equipment would operate at various portions of the site and would not be concentrated in one portion of the site at any one time. Construction of the proposed project would not require any stationary emission sources that would create substantial, localized NO_x impacts. Therefore, health impacts would be considered less than significant.

The VOC and NO_x emissions, as described previously, would minimally contribute to regional O_3 concentrations and its associated health effects. In addition to O_3, NO_x emissions would not contribute to potential exceedances of the NAAQS and CAAQS for NO_2. As shown in Table 4.2-2, Local Ambient Air Quality Data, the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Thus, it is not expected that the proposed project's operational NO_x emissions would result in exceedances of the NO_2 standards or contribute to the associated health effects. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to significant health effects associated with this pollutant. Likewise, PM_{10} and $PM_{2.5}$ would not contribute to potential exceedances of the NAAQS and CAAQS for particulate matter, would not obstruct the SDAB from coming into attainment for these pollutants, and would not contribute to significant health effects associated with particulates.

Based on the preceding considerations, health impacts associated with criteria air pollutants would be **less than significant**.

Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Section 41700 of the California Health and Safety Code and SDAPCD Rule 51 (Public Nuisance), prohibit emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. Projects required to obtain permits from SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance.

SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective by the nature of odors themselves and due to the fact that their measurements are difficult to quantify. As a result, this guideline is qualitative and will focus on the existing and potential surrounding uses and location of sensitive receptors.

The occurrence and severity of potential odor impacts depends on numerous factors: the nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying, cause distress among the public, and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the proposed project. Potential odors produced during proposed construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project includes residential uses and would not include land uses associated with odors. Therefore, proposed project operations would result in an odor impact that would be **less than significant**.

4.2.5 Cumulative Impacts

As discussed in Section 4.2.4, air quality is a cumulative impact; however, as shown, the proposed project would have a less-than-significant impact with mitigation.

4.2.6 Mitigation Measures

The following mitigation measure is provided to reduce the emissions of DPM emissions during construction.

MM-AQ-1 During project construction, the City of Poway shall ensure that the project contractor adheres to the following measures to reduce diesel particulate emissions, including, but not limited to:

a. All construction equipment greater than 50 horsepower shall be equipped with Tier 4 Interim diesel engines or better. Engines less than 50 horsepower shall be powered by electricity or natural gas (or other alternative fuel).
b. The engine size of construction equipment shall be the minimum size suitable for the required job.
c. The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest number is operating at any one time.
d. Construction equipment shall be maintained in tune per the manufacturer's specifications.
e. The prime contractor will provide the City of Poway verification of equipment type used during construction.

4.2.7 Level of Significance after Mitigation

Construction of proposed project components would require use of heavy-duty construction equipment, which is subject to a CARB ATCM for in-use diesel construction equipment to reduce diesel particulate emissions, and would involve use of diesel trucks, which are also subject to an ATCM. The implementation of **MM-AQ-1** would reduce the emissions of DPM during construction. The results of the HRA during construction with mitigation are provided in Table 4.2-10.

Table 4.2-10. Construction Activity Health Risk Assessment Results – Mitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	9.9	10.0	Less than Significant
HIC	Not Applicable	0.006	1.0	Less than Significant

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results of the construction analysis demonstrate that the mitigated construction emissions exhibit cancer risk below the 10 in 1 million threshold and below the Chronic Hazard Index threshold. The project construction TACs impact from DPM emissions would be reduced to **less than significant** with mitigation.

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4.3 Biological Resources

This section describes the existing biological resources conditions of Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing biological resources; technical data; applicable laws, regulations, and guidelines; and the biological resources technical report and arborist report, both prepared by Dudek in July 2022. The Biological Resources Technical Report for the Harmon Ranch Project is included in this environmental impact report (EIR) as Appendix C, and the Arborist Report for the Harmon Ranch Project is included in this EIR as Appendix D.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to biological resources focused on the following topics:

- Impacts to wildlife and plant species
- Consistency with the City's Subarea Plan
- Compliance with trail siting and design guidelines
- Compensatory mitigation
- Landscaping type and impacts to existing landscaping

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.3.1 Existing Conditions

Project Site

The approximately 10.73-acre biological study area is divided into two parts; the larger parcel is located north of Oak Knoll Road and is approximately 8.91 acres and the smaller parcel is located south of Oak Knoll Road and is approximately 1.81 acres. Throughout the site topography ranges from about 440 to 510 feet above mean sea level. The northern portion of the project site recently contained a San Diego Gas & Electric storage yard and several small, uninhabited buildings. There is also a small drainage that runs through the northwestern corner of the site, which has steep drops at the associated cement culverts at either end; one culvert is along the western project boundary and the other is along the northern project boundary. Also associated with the drainage is disturbed riparian and disturbed wetland habitat. The remainder of the northern portion of the project site consists primarily of disturbed habitat including non-native, invasive, and ornamental plant species (Appendix C).

The southern portion of the project boundary contains a small uninhabited residence and disturbed habitat adjacent to Oak Knoll Road. Further into the site, there are large stands of invasive arundo that surround Poway Creek, which runs east–west through the southern portion of the project site. Also, along Poway Creek there is disturbed riparian habitat with a high proportion of non-native invasive plant species (Appendix C).

Soils

Four soils series are mapped on the project site: Placentia sandy loam, 2% to 9% slopes; Olivenhain cobbly loam, 2% to 9% slopes; Cieneba rocky coarse sandy loam, 9% to 30% slopes, and Visalia sandy loam, 0% to 2% slopes (USDA 2022a). Placentia soils are extensive and are well or moderately well drained, with slow to rapid runoff and very slow permeability. They are also nearly level to moderately sloping and are on fans and terraces at elevations of 50 to 2,500 feet. They formed in alluvium from granite and other rocks of similar composition and texture. Within the site, Placentia soils are located throughout the majority of the northern parcel, as well as most of the northern half of the southern parcel. Olivenhain soils are well drained, with slow or medium runoff and very slow permeability. They are gently sloping to strongly sloping and are on dissected marine terraces at elevations of 100 to 600 feet. Within the site, Olivenhain soils are located within the northern portion of the northern parcel. The Cieneba series consists of very shallow and shallow somewhat excessively drained soils that formed in material weathered from granitic rock. Cieneba soils are at elevations of 500 to 4,000 feet (USDA 2022a). Within the site, Cieneba soils are located in a very small part of the extreme northeastern corner of the northern parcel, which is the highest elevation on site. Visalia sandy loam, also known as Akers series, consists of very deep, well drained soils formed in alluvium derived from granitic rock with negligible runoff and moderate permeability. Akers soils are often found on terraces. Within the site, Visalia soils are found throughout the entire southern portion of the southern parcel around Poway Creek (Appendix C).

Methodology

Dudek Biologist Shana Carey conducted a general biological reconnaissance survey, vegetation mapping, and general jurisdictional assessment on November 30, 2021. No focused surveys were conducted. An additional visit was conducted with Hunsaker surveyors on December 15 to define the boundary of the potentially jurisdictional limits. A rare plant survey was conducted on April 20, 2022, by Charles Adams. Survey dates and conditions are listed in Appendix C.

Vegetation community classifications used in this report follow Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986), as modified by the County and noted in Draft Vegetation Communities of San Diego County (Oberbauer et al. 2008). Land covers on site were mapped in the field directly onto a 100-scale (1 inch = 100 feet) topographic base. Dudek geographic information system specialists digitized the mapped vegetation communities and jurisdictional resource boundaries into a geographic information system coverage using ArcGIS software.

The minimum mapping unit (MMU) utilized was 0.25 acres, meaning that breaks in the vegetation under 0.25 acres were not mapped as their own vegetation community. This 0.25-acre MMU is derived from the Survey of California Vegetation Classification and Mapping Standards Mapping, which states that MMUs vary with project size but are typically between 1 and 2 acres, with a 0.25-acre MMU typical for more sensitive communities such as wetlands (CDFW 2020). There are many plant species that can occur within a variety of vegetation communities. Therefore, an MMU helps to establish breaks in the vegetation communities where percent cover and assemblage of plant species result in a vegetation community change. The exception to this MMU was the mapping of riparian vegetation within the project site, which was mapped regardless of size (Appendix C).

Vegetation Communities and Land Covers

Seven vegetation/land cover types were identified on the proposed project site. Of these, five are pre-dominantly non-native vegetation communities and land covers, including disturbed habitat, arundo-dominated riparian, non-native riparian, disturbed wetland, and urban/developed. There are two native land covers present within the

project site: fresh water (Poway Creek) and southern willow scrub (both of which are assumed regulated by the U.S. Army Corps of Engineers [USACE], Regional Water Quality Control Board [RWQCB], the California Department of Fish and Wildlife [CDFW, and the City of Poway [City]). Acreages of vegetation communities and land covers are listed in Table 4.3-1, and their spatial distribution is depicted in Figure 4.3-1, Biological Resources.

Table 4.3-1. Vegetation Communities and Land Covers within the Project Site

Vegetation Community/Land Cover	Habitat Code	Acreage
Non-Native Vegetation Communities, Land Covers, and Unvegetated Habitat		
Disturbed Wetland	11200	0.18
Disturbed Habitat	11300	7.94
Urban/Developed	12000	1.45
Non-native Riparian	65000	0.59
Arundo-dominated Riparian	65100	0.40
Native Vegetation Community		
Southern Willow Scrub	63320	0.02
Fresh Water	64140	0.14
	Total	10.73

Source: Appendix C.

Disturbed Wetland

According to Holland (1986), this habitat type is common throughout San Diego County and includes portions of wetlands with artificial structures such as concrete linings, culverts, barricades, and riprap. It includes areas that are permanently or periodically inundated by water that have been significantly modified by human activity.

Within the site, the area mapped as disturbed wetland habitat is present within the drainage that runs through the northwestern corner of the northern parcel and encompasses approximately 0.18 acres. During the initial site reconnaissance visit, there was a small amount of water in the drainage. The dominant species within this habitat on site include broadleaf cattail (*Typha latifolia),* Mexican fan palm (*Washingtonia robusta*), willows (*Salix sp.*), and castor bean (*Ricinus communis*) (Appendix C).

Disturbed Habitat

Disturbed habitat refers to areas that are not developed but are no longer recognizable as a native or naturalized vegetation association, but continue to retain a soil substrate. This habitat is generally the result of severe or repeated mechanical perturbation, often with heavily disturbed, compacted soils.

Within the site, disturbed habitat is the most common habitat type and encompasses approximately 7.94 acres. It is located around the area recently utilized as a storage/staging area for the San Diego Gas & Electric Company and the northeastern corner of the northern parcel, as well as the northern and southern portions of the southern parcel. Vegetation in this area contains mostly ruderal, non-native species such as iceplant (*Carpobrotus edulis*), Russian thistle (*Salsola tragus*), white horehound *(Marrubium vulgare*), Australian saltbush *(Atriplex semibaccata*), Scutch grass (*Cynodon dactylon*), fountain grass (*Pennisetum setaceum*), cheeseweed mallow (*Malva parviflora*), stinkwort (*Dittrichia graveolens*), dove weed (*Croton setiger*), western ragweed (*Ambrosia psilostachya*), horseweed

(*Erigeron canadensis*), common dandelion (*Taraxacum officinale*), Maltese star-thistle (*Centaurea melitensis*), shortpod mustard (*Hirschfeldia incana*), and wild oat (*Avena fatua*) and various brome species (Appendix C).

Urban/Developed Land

Developed land consists of areas that have been constructed upon and typically consists of buildings, structures, homes, and maintained areas with paved or other impermeable surfaces. Developed areas do not support native vegetation. Ornamental plantings often tend to occur in and around developments and are therefore included within the developed land cover category.

Within the site, developed areas encompass approximately 1.45 acres and are present throughout the majority of the northern parcel as the recently utilized San Diego Gas & Electric staging yard and buildings along Oak Knoll Road. Within the southern parcel, developed land is present within the northeastern corner also along Oak Knoll Road (Appendix C).

Fresh Water

According to Holland (1986), this unvegetated habitat type is characterized by year-round water bodies of fresh water that have very low salinity, typically in the form of lakes, streams, ponds, or rivers. There is also minimal vegetative cover (less than 10%) associated with this habitat type.

The area mapped as fresh water occurs within the southern portion of the site as Poway Creek. The creek flows east to west and runs parallel to Oak Knoll Road. There is some vegetation present within and along the edge of the creek including broadleaf cattail; however, during storm events this creek often floods and the high velocity of water frequently uproots, washes away, or flattens vegetation (Appendix C).

Non-native Riparian

According to Holland (1986), this habitat type is common along major rivers of coastal Southern California and is found in a variety of wetland habitats where there has been previous disturbance. It is characterized by densely vegetated riparian thickets dominated by non-native, invasive species, where these species account for greater than 50% of the total vegetative cover.

Within the site, the area mapped as non-native riparian is about 0.59 acres and includes the area along both sides of the drainage in the northwestern corner of the site, as well as an area adjacent to Poway Creek in the southern portion of the site. The dominant species within this habitat on site include Mexican fan palm, willows, castor bean, Fremont cottonwood (*Populus fremontii)*, Brazilian peppertree (*Schinus molle*), Peruvian peppertree (*Schinus terebinthifolius*), and pampas grass (*Cortaderia jubata*) (Appendix C).

Arundo-Dominated Riparian

According to Holland (1986), arundo-dominated riparian is characterized by densely vegetated riparian thickets dominated almost exclusively by giant reed (*Arundo donax*), often in areas with loose, sandy, or fine alluvium near stream channels. This designation should only be used in environments where this species accounts for at least 50% of the total vegetative cover.

Within the site, arundo-dominated riparian habitat is only present in the southern portion of the site north of Poway Creek but south of the disturbed habitat and encompasses approximately 0.4 acres (Appendix C).

Southern Willow Scrub

According to Holland (1986), southern willow scrub has been described as a dense, broad-leaved, winter-deciduous riparian thicket dominated by several species of willow, with scattered emergent Fremont cottonwood and western sycamore (*Platanus racemosa*). Most stands are too dense to allow much understory development. This habitat is considered seral due to repeated disturbance/flooding and is therefore unable to develop into the taller southern cottonwood–willow riparian forest.

Southern willow scrub on site is limited to the overgrowth of arroyo willows (*Salix lasiolepis*) and red willows (*Salix laevigata*) associated with the adjacent off-site drainage. The canopy of the willows in the off-site drainage extends over the chain-link fence along the northern property boundary and encroaches onto the northern portion of the project site. Beneath the portions of the willow canopy on site, the understory is relatively limited and includes species found in the adjacent disturbed area, such as iceplant. This area totals 0.02 acres on site (Appendix C).

Plants and Wildlife

A total of 108 species of vascular plants, 41 native and 67 non-native species, were recorded during the biological reconnaissance survey (Appendix C). The diversity of native plant species is low due to the historical use of the site for residential, commercial, and industrial purposes and operations, as well as the urban setting of the vicinity. This list does not include a comprehensive list of all the ornamental species observed.

A total of 18 wildlife species were recorded in the site during the surveys (Appendix C). The wildlife species observed are generally common, disturbance-adapted species typically found in urban and suburban settings, such as Anna's hummingbird (*Calypte anna*), American crow (*Corvus brachyrhynchos*), house finch (*Haemorhous mexicanus*), and mourning dove (*Zenaida macroura*). One mammal species was observed within the site—brush rabbit (*Sylvilagus bachmani*). One reptile species was observed during the survey—western fence lizard (*Sceloporus occidentalis*). There is minimal suitable habitat for small non-avian wildlife species (e.g., reptiles, amphibians, and small mammals) within the site due to the disturbed nature of the site, proximity to residential/ urban land cover, and limited connectivity of the surrounding habitat to larger expanses of native lands.

No raptor nests were detected on or adjacent to the project area; however, some of the larger trees on site and along the project boundary could potentially support raptor nests (Appendix C).

Special-Status Species

A search of California Native Plant Society and California Natural Diversity Database records was utilized to develop matrices of special-status plant and wildlife species that may have potential to occur on site due to the presence of suitable habitat (taking into consideration vegetation communities, soils, elevation, and geographic range, life form/blooming period, etc.). These two matrices of special-status plant and wildlife species (i.e., federally, state, or locally listed species), their favorable habitat conditions, and their potential to occur on site based on the findings of the field investigations are presented in Appendix C. Species covered under the San Diego Multiple Species Conservation Plan and Multiple Habitat Conservation Program (MHCP) are also included in these appendices.

There is no federally designated critical habitat (USFWS 2022b) located within the project site (Appendix C).

Special-Status Plant Species

No plant species listed or proposed for listing as rare, threatened, or endangered by either CDFW or the U.S. Fish and Wildlife Service were detected on site. No plant species considered special status by the California Native Plant Society were observed.

Appendix C lists special-status plant species that may occur in the vicinity of the site (CDFW 2022a, 2022b; CNPS 2022; USFWS 2022b) or are covered under the Habitat Conservation Plan/Natural Community Conservation Plan. For each species listed, a determination is made regarding the potential for the species to occur on site based on information gathered during the field reconnaissance including the location of the site, habitats or land covers present, current site conditions, historical land use, soils, and topography. No species were determined to have a moderate or high potential to occur given the lack of suitable habitat and disturbed nature of the site (Appendix C).

Special-Status Wildlife Species

Appendix C lists special-status wildlife species that are known to occur in the vicinity of the site (CDFW 2022c, 2022d; USFWS 2022b) or are covered under the Multiple Species Conservation Plan and/or MHCP. No federally or state-listed species or other special-status species were observed during any of the site visits. No species were determined to have a moderate or high potential to occur given the lack of suitable habitat and disturbed nature of the site.

Other special status species that have not been detected on site, but have a low to moderate potential to occur include Cooper's hawk *(Accipiter cooperii)*, Costa's hummingbird (*Calypte costae*), white-tailed kite (*Elanus leucurus),* vermilion flycatcher (*Pyrocephalus rubinus),* yellow warbler (*Setophaga petechia*), least Bell's vireo, spotted bat (*Euderma maculatum*), western red bat (*Lasiurus blossevillii*), western small-footed myotis (*Myotis ciliolabrum*), long-eared myotis (*Myotis evotis*), Yuma myotis (*Myotis yumanensis*), and San Diegan tiger whiptail (*Aspidoscelis tigris stejnegeri*) (Appendix C).

Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal.

The vicinity of the project site is situated between a commercial area and suburban areas consisting of a mix of mid- to high-density residential developments and roadways. The site is not within a Biological Core and Linkage Area and is isolated from areas proposed for preservation under the MHCP. The small amount of riparian habitat on site continues off site, but is composed of a small amount of habitat and is disturbed. Regardless of size, this patch of riparian habitat does attract wildlife, but almost all of the riparian habitat is located off site and is lacking management. Connectivity to the project site is not likely to benefit wildlife movement due the extent of surrounding development and lack of native habitat on site. Therefore, the project site is unlikely to serve as a wildlife corridor. However, the site, since it currently is vacant, may provide stopover function for migrants or a local patch of habitat (Appendix C).

Jurisdictional Waters

A general jurisdictional assessment was conducted within the project boundary to identify areas under the jurisdiction of CDFW, pursuant to Section 1602 of the California Fish and Game Code; under the jurisdiction of USACE, pursuant to Section 404 of the federal CWA; and under the jurisdiction of the RWQCB, pursuant to CWA Section 401 and the Porter–Cologne Act.

Two drainages occur within the project site. One occurs in the northwestern corner of the site where water enters from a large cement culvert along the northern border and travels southwest, where it exits the site through another large cement culvert along the western border of the site. The western culvert has riprap installed along the edges of it, but much of the drainage looks to be earthen-bottom and heavily overgrown by thick riparian vegetation.

The other drainage is Poway Creek, which runs through the site east–west parallel to the southern border of the site. At the time of the site visit there was flowing fresh water in the creek. Running parallel to the creek on the south side, there is a flat, open area approximately 40 to 70 feet wide with very low growing, disturbed vegetation, which likely functions as a sort of floodplain for the creek during storm events. Immediately south of this is a large concrete channel wall (approximately 6 to 7 feet high) that runs parallel to the creek and likely helps to contain the creek during heavy storm events. This is also where the southern site boundary is located. These features may be regulated by USACE, the RWQCB, and CDFW. No development is being proposed within the potential jurisdictional features; therefore, a full jurisdictional delineation was not conducted (Appendix C).

Trees

There are 157 trees representing 19 different species located within the project tree survey area. The 157 trees are comprised of one “native” oak tree, and 156 non-jurisdictional trees. As Table 4.3-2 indicates, a majority (156 trees) of the inventoried trees do not meet the “native” tree criteria established in Chapter 12.32 of the City Ordinance. Table 4.3-2 provides a summary of the 19 individual species mapped and evaluated within the tree survey area. The Tree Location Exhibit in Appendix D presents the location of the individual trees mapped and assessed for the project.

Overall, the trees exhibit growth and structural conditions that are typical of their locations as both landscape and natural trees. The trees include various trunk and branch maladies, as well as varying health and structural conditions. As presented in the Tree Information Matrix in Appendix D, 50.96%% (80 trees) of the individually mapped trees, exhibit good health condition; 46.5% (73 trees) are in fair health condition; and 2.55% (4 trees) are in poor health condition. The single oak tree was found to be in good health. Structurally, 28.6% (45 trees) of the individually mapped trees are considered to exhibit good structure, 68.15% (107 trees) exhibit fair structure, and 3.18% (5 trees) exhibit poor structure. The single oak tree was found to have good structure. Good condition trees exhibit acceptable vigor, healthy foliage, and adequate structure, and lack of any major maladies. Fair condition trees are typical, with few maladies but declining vigor. Poor condition trees exhibit declining vigor, unhealthy foliage, poor branch structure, and/or excessive lean.

Table 4.3-2. Summary of Trees at Project Site

Scientific Name	Common Name	Number of Trees
Eucalyptus camaldulensis	Red gum eucalyptus	21
Eucalyptus polyanthemos	Silver dollar gum eucalyptus	1
Fraxinus uhdei	Shamel ash	2

Table 4.3-2. Summary of Trees at Project Site

Scientific Name	Common Name	Number of Trees
Grevillea robusta	Silk Oak	2
Koelreuteria bipinnata	Chinese flame	1
Melia azedarach	Chinaberry	1
Olea europaea	Olive	4
Phoenix canariensis	Canary Island Date Palm	1
Pinus halepensis	Aleppo Pine	2
Pistacia chinensis	Chinese Pistache	4
Platanus acerifolia	London Plane	1
Populus fremontii	Fremont Cottonwood	3
Quercus agrifolia	Coast live oak	1
Salix gooddingii	Goodding's Willow	28
Schinus molle	Peruvian pepper	19
Schinus terebinthifolius	Roebellini	11
Ulmus parvifolia	Chinese Elm	2
Ulmus pumila	Siberian Elm	1
Washingtonia robusta	Mexican Fan Palm	52
	Total	**157**

Trees within the tree survey area vary in size and stature according to species and available growing space. The trees on site are primarily single stemmed with trunk diameters ranging from 3 to 32 inches diameter at standard height. Multi-stemmed trees with 2 to 25 stems (multi-stemmed Brazilian pepper re-sprout) have individual diameters of up to 23 inches diameter at standard height. The site's single oak tree has a diameter at standard height of 7 inches. Tree heights vary from 4 to 50 feet. Taller trees (40-plus feet) are represented primarily by the site's Mexican fan palms. The site's oak tree is approximately 15 feet tall. Tree crown extents range from 5 feet to nearly 45 feet at their widest points. The site's only oak tree has a crown width of approximately 12 feet.

4.3.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Endangered Species Act

The federal Endangered Species Act of 1973 (ESA), as amended (16 USC 1531 et seq.), provides for listing of endangered and threatened species of plants and animals and designation of critical habitat for listed animal species. The ESA also prohibits all persons subject to United States jurisdiction from "taking" endangered species, which includes any harm or harassment. Section 7 of the ESA requires that federal agencies, prior to project approval, consult the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service to ensure adequate protection of listed species that may be affected by the project.

Migratory Bird Treaty Act

All migratory bird species that are native to the United States or its territories are protected under the federal Migratory Bird Treaty Act (MBTA), as amended under the Migratory Bird Treaty Reform Act of 2004 (Senate Bill 2547). The MBTA is generally protective of migratory birds, but does not actually stipulate the type of protection required. In common practice, MBTA is used to place restrictions on disturbance of active bird nests during the nesting season (generally February 1 through August 31). In addition, the U.S. Fish and Wildlife Service commonly places restrictions on disturbances allowed near active raptor nests.

Clean Water Act

The federal Water Pollution Control Act Amendments of 1972 (Clean Water Act) (33 USC 1251 et seq.), as amended by the Water Quality Act of 1987 (PL 1000-4), is the major federal legislation governing water quality. The purpose of the Clean Water Act is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Discharges into waters of the United States are regulated under Section 404. Waters of the United States include (1) all navigable waters (including all waters subject to the ebb and flow of tides); (2) all interstate waters and wetlands; (3) all other waters, such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sand flats, wetlands, sloughs, or natural ponds; (4) all impoundments of waters mentioned above; (5) all tributaries to waters mentioned above; (6) the territorial seas; and (7) all wetlands adjacent to waters mentioned above. In California, the State Water Resources Control Board and the nine RWQCBs are responsible for implementing the Clean Water Act. Important applicable sections of the Clean Water Act include the following:

- **Section 303** requires states to develop water quality standards for inland surface and ocean waters and submit to the U.S. Environmental Protection Agency for approval. Under Section 303(d), the state is required to list waters that do not meet water quality standards and to develop action plans, called total maximum daily loads, to improve water quality.
- **Section 304** provides for water quality standards, criteria, and guidelines.
- **Section 401** requires an applicant for any federal permit that proposes an activity that may result in a discharge to waters of the United States to obtain certification from the state that the discharge will comply other provisions of the Clean Water Act. Certification is provided by the respective RWQCB.
- **Section 402** establishes the National Pollutant Discharge Elimination System, a permitting system for the discharge of any pollutant (except for dredge or fill material) into waters of the United States. The National Pollutant Discharge Elimination System program is administered by the RWQCB. Conformance with Section 402 is typically addressed in conjunction with water quality certification under Section 401.
- **Section 404** provides for issuance of dredge/fill permits by the ACOE. Permits typically include conditions to minimize impacts on water quality. Common conditions include (1) ACOE review and approval of sediment quality analysis before dredging, (2) a detailed pre- and post-construction monitoring plan that includes disposal site monitoring, and (3) required compensation for loss of waters of the United States.

State

California Endangered Species Act

Similar to the federal ESA, the California ESA of 1970 provides protection to species considered threatened or endangered by the State of California (California Fish and Game Code, Section 2050 et seq.). The California ESA recognizes the importance of threatened and endangered fish, wildlife, and plant species and their habitats; it also

prohibits the taking of any endangered, threatened, or rare plant and/or animal species unless specifically permitted for education or management purposes.

California Fish and Game Code

The California Fish and Game Code regulates the handling and management of the state's fish and wildlife. Most of the code is administered or enforced by CDFW. One section of the code generally applies to public infrastructure projects such as the proposed project:

- Section 1602 regulates activities that would divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake that supports fish or wildlife. CDFW has jurisdiction over riparian habitats associated with watercourses. Jurisdictional waters are delineated by the outer edge of riparian vegetation or at the top of the bank of streams or lakes, whichever is wider. CDFW jurisdiction does not include tidal areas or isolated resources.

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Native Plant Society

The California Native Plant Society maintains a list of special-status plant species based on collected scientific information. Designation of these species by the California Native Plant Society does not constitute legal status or protection under federal or state endangered species legislation. The California Native Plant Society's California Rare Plant Ranks (CRPRs) are defined as follows: CRPR 1A (plants presumed extinct), CRPR 1B (plants rare, threatened, or endangered in California and elsewhere), CRPR 2 (plants rare, threatened, or endangered in California, but more numerous elsewhere), CRPR 3 (plants about which more information is needed—a review list), and CRPR 4 (plants of limited distribution—a watch list). In general, substantial adverse effects to plants designated as CRPR 1A, 1B, or 2 would be considered significant.

California Natural Community Conservation Planning Act of 1991

The Natural Community Conservation Planning Act of 1991 provides a framework for state and local government, as well as private interest efforts, for the protection of regional biodiversity and the ecosystems upon which they depend. Natural community conservation plans allow for the appropriate, compatible economic activity to occur while ensuring the long-term conservation of multiple species.

California Fish and Game Code

The California Fish and Game Code provides specific protection and listing for several types of biological resources. Section 1600 et seq. of the California Fish and Game Code require notification and, if required, a Streambed Alteration Agreement for any activity that would alter the flow, change, or use any material from the bed, channel, or bank of any perennial, intermittent, or ephemeral river, stream, and/or lake. Typical activities that require notification include excavation or fill placed within a channel, vegetation clearing,

structures for diversion of water, installation of culverts and bridge supports, cofferdams for construction dewatering, and bank reinforcement.

Pursuant to California Fish and Game Code Section 3503, it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Raptors and owls and their active nests are protected by California Fish and Game Code Section 3503.5, which states that it is unlawful to take, possess, or destroy any birds of prey or to take, possess, or destroy the nest or eggs of any such bird unless authorized by CDFW. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the MBTA. These regulations could require that construction activities (particularly vegetation removal or construction near nests) be reduced or eliminated during critical phases of the nesting cycle unless surveys by a qualified biologist demonstrate that nests, eggs, or nesting birds would not be disturbed, subject to approval by CDFW and/or the U.S. Fish and Wildlife Service.

Local

Poway Municipal Code – Chapter 12.32 – Urban Forestry, Article 3 – Removal of Trees on Private Property

Chapter 12.32 of the City of Poway Municipal Code (City of Poway 2000) sets all tree-related policies, standards, and regulations. Removal of trees on private property, such as the proposed project site, requires the property owner to acquire a permit from the Director of Development Services that authorizes the removal of a native tree or a heritage tree.

Chapter 12.32.150 – Private Tree Removal Permit

A. The Director of Development Services shall maintain the City of Poway's private tree removal permit records and issue such permits.

B. A property owner shall first obtain a private tree removal permit authorizing the removal of a private tree that is a native tree or a heritage tree subject to terms and conditions deemed appropriate by the Director of Development Services or his/her designee. On commercial and industrial property, a permit shall be required for the removal of any living tree greater than three inches in diameter.

C. Applicants shall be expected to replace these types of trees in accordance with PMC [Poway Municipal Code] 12.32.170: "Replacement of Trees." The Director of Development Services, or his/her designee shall review each private tree removal permit application and make a recommendation as to whether the permit shall be issued or denied. The decision to issue or deny the permit and any terms and conditions of the permit shall be based on the following criteria:

    1. The condition of the tree with respect to disease, general health, damage, public nuisance, danger of falling, proximity to existing or proposed structures and interference with utility services, age or remaining life span, and whether or not the tree acts as a host for a plant which is parasitic to other species of trees which are in danger of being infested or exterminated by the parasite;
    2. The necessity of the requested action to construct improvements, or allow economic or other enjoyment of the property;
    3. The topography of the land and the effect of the requested action on erosion, soil retention, water retention, and diversion or increased flow or surface water;
    4. The number, species, size, and location of existing trees in the area and the effect of the requested action in terms of providing shade, protection from wind, air pollution reduction, historic or cultural value, and scenic beauty upon the health, safety, aesthetics, and general welfare of the City as a whole;

5. Generally accepted International Society of Arboriculture practices addressing topics such as, but not limited to, the number of healthy trees a given parcel of land will support;
6. Native trees shall be retained unless their removal is absolutely necessary. (Ordinance 521, Section 1[B], 2000)

Chapter 12.32.170 – Replacement of Trees

Any person removing a live tree pursuant to a permit issued by the Director of Development Services or his/her designee shall replace such tree on a one-for-one basis with a tree of the same size of a species and in a location approved by the Director of Development Services or his/her designee. Where the tree to be removed exceeds the size of a 72-inch-box specimen (approximately eight inches in diameter), two 48-inch box specimen trees shall be used as replacements. These requirements may be waived or modified by the Director of Development Services if it is determined that the requirements impose an unreasonable hardship. (Ordinance 521, Section 1[B], 2000)

Chapter 12.32.180 – Commercial, Industrial, and Residential Development Projects

For commercial, industrial, or residential projects requiring City approval, existing on-site trees shall be retained wherever possible and shall be trimmed and maintained in accordance with the adopted "City of Poway Guidelines to Landscape Requirements." A master plan of the existing on-site trees shall be provided to the Development Services Department prior to the issuance of building and grading permits, to determine which trees shall be retained. Any dead, decaying, or potentially dangerous trees shall be approved for removal at the discretion of the Director of Development Services during review of the master plan of existing on-site trees. All trees that are removed shall be replaced on a one-for-one basis as described in PMC [Poway Municipal Code] 12.32.170, and replacements should be one of the species contained in the adopted "City of Poway Guidelines to Landscape Requirements." (Ordinance 521, Section 1[B], 2000)

Poway Comprehensive Plan: General Plan – Resources Element

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policies regarding biological resources (City of Poway 1991):

Goal IV: It is the goal of the city of Poway to preserve its natural, scenic and cultural resources for the future benefit and enjoyment of its residents and to protect biological and ecological diversity.

- **Strategy 1:** Significant open space areas and scenic vistas along local scenic roadways should be protected.
- **Strategy 2:** The mountains, hillsides and prominent ridgelines are a valuable natural resource and should be preserved through appropriate land use policies.

Policy C – Biological Resources: Wildlife and natural plants are a valuable natural resource and should be preserved and protected.

- **Strategy 1:** The acquisition and dedication of undeveloped land adjacent to and between existing dedicated open space areas is encouraged to promote large contiguous areas necessary for watershed, habitat and viewshed protection. If private development is required to purchase and dedicate land to mitigate environmental impacts, the acquisition of areas adjacent to existing large permanent open space areas is preferred.
- **Strategy 2:** Biological corridors shall be preserved in order to provide linkages for vegetative and wildlife communities between nonconnective open space areas. Special efforts shall be made to acquire and

preserve the two major wildlife corridors identified in the Detailed Biological Assessment and lands linking open space areas in Poway to open space areas in the region, such as the Sycamore Canyon County Park and San Dieguito Regional Park.

- **Strategy 3:** Development should not disrupt habitats considered to be sensitive, or the habitat of sensitive, declining, threatened, rare or endangered species. An assessment, performed by a qualified biologist, shall be required in areas where the existence of a sensitive species is known or reasonably expected to be present.
- **Strategy 4:** Off-road vehicle use is prohibited.
- **Strategy 5:** Access of humans and domestic animals to preserved biological habitats and sensitive biological areas shall be limited as deemed necessary to preserve the integrity of the areas.
- **Strategy 6:** Confinement of horses, cattle and other livestock shall not be permitted in natural open space areas or sensitive biological areas.
- **Strategy 7:** Mitigation for significant impacts for biological resources in the form of preservation (on site and off site) or restoration shall be required. All preservation and restoration areas shall be dedicated as permanent biological open space.
- **Strategy 8:** The City and development community should use the important biological resource areas, as identified in the Detailed Biological Assessment, as the foundation for a City-wide system of reserves and wildlife corridors. Efforts should be made to acquire unprotected lands within and adjacent to these areas, through mitigation banking programs or other land transfer and acquisition programs for the purposes of biological resource preservation and natural open space management.
- **Strategy 9:** Require biological monitoring during construction where there is the potential to impact sensitive biological resources. Construction monitoring shall be conducted by a qualified biologist and follow the guidelines outlined in the Detailed Biological Assessment to ensure that all construction practices consider the protection of sensitive biological resources both on and off site.
- **Strategy 10:** Long-term biological management plans for open space areas within a proposed development should be developed by a qualified biologist and implemented by the developer.
- **Strategy 11:** Habitat conservation plans should be developed for endangered resources.
- **Strategy 12:** The hunting of wildlife shall be prohibited in Poway.
- **Strategy 13:** Development proposals shall consider areas determined to be particularly valuable to wildlife as identified for each quadrant of the City in the Detailed Biological Assessment. Efforts shall be made to minimize encroachment into these areas.
- **Strategy 14:** Plant resources, particularly large expanses of undisturbed natural areas, oak woodlands, riparian corridors, significant tree stands and sensitive declining, threatened and endangered species should be preserved through appropriate means such as buffering and dedicated open space.
- **Strategy 15:** Large tree stands comprised of oaks, sycamores or eucalyptus should be retained and integrated into project designs. The understory in these stands should also be retained or enhanced with native species as deemed appropriate by a qualified biologist or native plant horticulturalist. Areas preserved shall be designated as permanent natural open space.

The biological resources report can be found in Appendix C.

Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan

The Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan (Poway Subarea HCP/NCCP) serves two general functions (Ogden 1996):

1. To create a sustainable interconnected network of habitat preserves throughout and ultimately beyond the City, and thus maintain functioning ecosystems and viable populations of biological resources.
2. To mitigate adverse impacts to biological resources from building the Scripps Poway Parkway Extension, and implementing the Poway General Plan and Paguay Redevelopment Plan.

The Poway Subarea HCP/NCCP is implemented primarily through the City's established land use regulatory process supplemented by new implementation regulations tailored to the plan's conservation objectives. The Poway Subarea HCP/NCCP also defines mitigation requirements for development projects inside and outside of a specified Mitigation Area, and methods for funding land acquisitions and preserve management within the Mitigation Area. The project site does not fall within the Poway Subarea HCP/NCCP Mitigation Area (Ogden 1996).

The project site is not located within the Poway Mitigation Area. This is due to the highly developed surroundings adjacent to the property and its isolation from adjacent undeveloped habitat areas by residential and commercial development. Both of these factors contribute to the project site not being an important wildlife linkage or containing critical habitat for regional species.

4.3.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to biological resources are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to biological resources would occur if the proposed project would:

1. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
2. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
3. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, interruption, or other means.
4. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.
5. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.
6. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

4.3.4 Impacts Analysis

Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No special-status plants were detected within the site. The majority of the impact area is disturbed habitat and already developed land covers, although the site does include sensitive riparian and wetland habitat. Due to the extent of vegetative disturbance, existing anthropogenic developments, and lack of suitable substrate, special-status plant species are not expected to occur in this area. Therefore, no significant direct or indirect impacts to special-status plants are anticipated.

No special-status wildlife species were detected within the site. The majority of the impact area consists of disturbed habitat and already developed land covers. Due to the extent of vegetative disturbance and existing and surrounding anthropogenic developments, very limited special-status species are expected to occur in this area. The following special-status species have not been detected on site but do have a low to moderate potential to occur: Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail.

There is potential for raptors and other birds to nest on site.

Direct Impacts

Direct impacts to potentially occurring special-status species, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail may be significant. Mitigation measures **MM-BIO-1** and **MM-BIO-3** state that environmental awareness training and nesting bird surveys are to be conducted prior to construction, and should nests be present, an avoidance buffer will be implemented. Vegetation clearing during the breeding season should avoided unless absolutely necessary, in which case, a qualified biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds in the proposed area of disturbance. After mitigation, these impacts would be less than significant.

Indirect Impacts

Special-status wildlife, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail may be indirectly impacted during construction by impacts such as the generation of fugitive dust; changes in hydrology resulting from construction, including sedimentation and erosion; and the release of chemical pollutants. Special-status wildlife may also be indirectly affected in the short and long term by noise and lighting, which can disrupt normal activities and subject wildlife to higher predation risks. Implementation of **MM-BIO-4** and **MM-BIO-5** would reduce these impacts to less than significant.

The small scale of the habitat loss would not appreciably reduce the population of sensitive species in the area. However, nesting birds can be significantly affected by short-term construction-related noise, resulting in decreased reproductive success or abandonment of an area as nesting habitat. Breeding passerine and raptor species likely utilize the various habitats on site for nest construction and foraging. Indirect impacts from construction-related noise may occur to sensitive wildlife if construction occurs during the breeding season (i.e., February 15 through September 1). Potential impacts, including noise, lighting, and increased human presence and vehicle traffic within the site, could significantly affect nesting birds and would be considered significant. Mitigation measure **MM-BIO-3**

would be implemented in order to avoid impacts to nesting birds. This mitigation measure would reduce potential impacts to a level that is less than significant.

Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Direct impacts to vegetation are shown in Table 4.3-3. All biological resources within the impact limits were considered directly impacted. Figure 4.3-2 illustrates the distribution of biological resources in the project site and the extent of the proposed impacts.

Table 4.3-3. Impacts to Vegetation Communities and Land Covers within the Project Site

Vegetation Community/Land Cover	Habitat Code	Acreage	Impacts (Acres)
Non-Native Vegetation Communities, Land Covers, and Unvegetated Habitat			
Disturbed Wetland	11200	0.18	—
Disturbed Habitat	11300	7.94	6.75
Urban/Developed	12000	1.45	1.45
Non-native Riparian	65000	0.59	—
Arundo-dominated Riparian	65100	0.40	0.02
Native Vegetation Community			
Southern Willow Scrub	63320	0.02	—
Fresh Water	64140	0.14	—
	Total	**10.73**	**8.22**

Proposed impacts to disturbed habitat and urban/developed land are not considered significant because these land covers are not considered special status; they are non-native and provide little biological resource value. Proposed impacts to arundo-dominated riparian habitat, a highly invasive land cover that provides little biological resource value, would be minimal. The arundo-dominated riparian associated with Poway Creek currently extends over the property line and therefore would need to be trimmed back to the property line resulting in a potential temporary loss of 0.02 acres of this vegetation community. It is anticipated that the vegetation will grow back following construction and therefore no mitigation is proposed for impacts to this invasive plant community. Mitigation measures **MM-BIO-1**, **MM-BIO-2**, **MM-BIO-4**, and **MM-BIO-5** would be established to prevent direct impacts and mitigate for indirect impacts to sensitive habitats. After mitigation, these impacts would be considered less than significant.

Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Impacts to 0.02 acres of non-native, invasive, arundo-dominated riparian habitat may occur as a result of project implementation. Since this vegetation is associated with Poway Creek, it is assumed that the vegetation is regulated by USACE, RWQCB, and CDFW; however, it should be noted that a formal jurisdictional delineation was not conducted. The impacts would only be to the arundo branches that overhang the fence of the property line. The current fence line/property line is proposed to be maintained as the boundary of the new development. These

branches may be preserved as they are tall and most of their stalks are outside of the impact footprint and would likely not be affected by grading or construction activities. Typically, removal of this species (*Arundo donax*) is targeted for restoration projects as it is highly invasive, provides minimal habitat value for wildlife, and often outcompetes native vegetation. Trimming of the vegetation would not trigger permits from USACE or RWQCB since the project would not result in any removal or fill of this resource.

As discussed further in below, the project has been reviewed with CDFW staff to obtain their concurrence on impact avoidance. Given the disturbed nature of this portion of Poway Creek, the surrounding development and the invasive properties of Arundo, CDFW stated that the minor impacts to 0.02 acres of Arundo would not result in a significant impact from their perspective.

The project will not result in any impacts to Poway Creek nor will it impact the unnamed tributary. A minimum of 100 feet from the top of slope is provided to avoid any indirect impacts to Poway Creek, which is a U.S. Geological Survey blueline stream. A setback from the top of slope for the tributary is not provided as it is not a blueline stream. The proposed project development footprint will avoid all of the wetland habitat and the vast majority of the riparian habitat on site, much of which is already highly disturbed and of limited habitat value and quality for resident and migratory wildlife. Additionally, a 50-foot buffer does not currently exist between the wetland and riparian habitats and many of the existing developments within the surrounding areas. Under the proposed project, no wetland or riparian buffer is warranted due to the already highly disturbed nature of the riparian and wetland habitats on site, and the fact that the site is already situated in a heavily developed area.

Dudek biologists met with representatives from CDFW to review the project on July 22, 2022. During this meeting, the proposed avoidance of Poway creek and an unnamed tributary were discussed. CDFW staff concurred that the proposed project provides adequate avoidance of the two waterways and did not suggest or request that the project provide additional buffers beyond what is currently proposed.

The remainder of the arundo-dominated habitat, disturbed wetland habitat, fresh water, and non-native riparian habitat will be preserved, and no direct impacts are anticipated to occur to the latter habitat types. The only native vegetation community on site, southern willow scrub habitat, is located completely outside of and away from the project grading footprint and will not be affected by project construction.

Indirect impacts to the wetland and riparian habitat could potentially occur and would be potentially significant requiring mitigation. Mitigation measures **MM-BIO-1**, **MM-BIO-2**, **MM-BIO-4**, and **MM-BIO-5** would be established to protect and mitigate direct and indirect impacts to jurisdictional resources. After mitigation, these impacts would be less than significant.

Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

As mentioned, the project site is located in a highly urbanized environment. The site is not within a Poway Mitigation Area and is isolated from areas proposed for preservation under the MHCP. Although Poway Creek in the southern portion of the site may have limited value as a movement corridor for some riparian birds, small mammals, and reptiles, the proposed project would not permanently change the functionality of this area. Therefore, there would be no significant impact to areas facilitating wildlife movement. For upland predominantly disturbed habitat use, the site may function as a stepping stone type habitat linkage. However, the vegetation on site is highly dominated by non-native species and still has remnants of the previous developments. Based on the Poway Subarea Habitat

Conservation Plan, due to the lack of designation as a Focused Planning Area and its location outside of Poway Mitigation Areas, the impacts to wildlife movement would be **less than significant**.

Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Based on proposed project development plans, it is estimated that 59 trees on the proposed project site will require removal. Of the 59 trees identified for removal, one is a protected "native" oak, and the remaining 58 trees are non-protected ornamental trees. Details regarding individual tree disposition status can be found in Appendix D.

Section 32.170 of the City of Poway's Municipal Code identifies tree replacement standards for projects affecting "native" trees. Section 32.170 specifically states "Any person removing a live tree pursuant to a permit issued by the Director of Development Services or his/her designee shall replace such tree on a one-for-one basis with a tree of the same size of a species and in a location approved by the Director of Development Services or his/her designee. Where the tree to be removed exceeds the size of a 72-inch-box specimen (approximately 8 inches in diameter), two 48-inch box specimen trees shall be used as replacements. These requirements may be waived or modified by the Director of Development Services if it is determined that the requirements impose an unreasonable hardship (Ord. 521 § 1(B), 2000)." Based on proposed project development plans, it is estimated that 59 trees on the proposed project site will require removal. Of the 59 trees identified for removal one is a "native" oak tree and the remaining 58 are non-jurisdictional. Based on Section 32.170 of the City of Poway's Municipal Code the minimum mitigation planting requirements for the removal of one "native" oak tree is one-for-one basis with a tree of the same size. As such, based on the size of the tree (7 inches in diameter) and the City requirements Dudek recommends planting one 96-inch box coast live oak tree in the post construction landscape. Furthermore, to account or the loss of 58 additional non-protected trees, Dudek recommends that 58 15-gallon drought tolerant trees be planted in the post construction landscape. It should be noted that the City ordinance only requires replacement of the single "native" oak tree and that replacement of the additional 58 trees is not required by the City Ordinance.

Based on Section 32.170 of the City of Poway's Municipal Code the minimum mitigation planting requirements for the removal of one "native" oak tree is one-for-one with a tree of the same size of a species. As such, based on the size of the tree (7 inches in diameter) and the City requirements Dudek recommends planting one 96-inch box coast live oak tree in the post construction landscape. Furthermore, to account or the loss of 58 additional non-protected trees, Dudek recommends that 58 15-gallon drought tolerant trees be planted in the post construction landscape. It should be noted that the City ordinance only requires replacement of the single "native" oak tree and that replacement of the additional 58 trees is not required by the City Ordinance. Furthermore, Dudek recommends that the remaining 11 encroached upon trees be preserved in accordance with the tree protection measures provided in Appendix D. Impacts would be **less than significant**.

Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

The project site is located within the Poway Subarea HCP/NCCP. The Poway Subarea HCP/NCCP was adopted in 1996, and serves as the project document for the protection and management of biologically effective, interconnected spaces in the City. A preserve system within the City has been designated as the Poway Mitigation Area as part of the Poway Subarea HCP/NCCP (Ogden 1996).

The project site is not located within the Poway Mitigation Area. This is due to the highly developed surroundings adjacent to the property and its isolation from adjacent undeveloped habitat areas by residential and commercial development. Both of these factors contribute to the project site not being an important wildlife linkage or containing critical habitat for regional species. Therefore, implementation of the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, and impacts would be **less than significant**.

4.3.5 Cumulative Impacts

A cumulative study area for biological resources was identified based on the local environment setting and areas that share similar biological resources as those determined to occur on the proposed project site. The geographic scope of cumulative impacts are limited to other projects within the City (see Table 3-2, Cumulative Projects).

4.3.5.1 Special-Status Plant and Wildlife Species

As discussed in Section 4.3.4, Impact Analysis, the project may result in direct and/or indirect impacts to potentially occurring special-status species, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail. Avoidance of nesting birds is a regulatory requirement for any project occurring within the cumulative study area. Nesting birds are protected under federal and state policy, including the MBTA and California Fish and Game Code, respectively. Without the appropriate mitigation, in combination with other cumulative projects, the proposed project would potentially contribute to a cumulatively considerable impact to special status species; see Mitigation Measures **MM-BIO-3, MM-BIO-4, and MM-BIO-5**.

4.3.5.2 Riparian Habitat or Other Sensitive Natural Communities

As discussed in Section 4.3.4, the project would result in a potential temporary loss of 0.02 acres of arundo-dominated riparian habitat. It is anticipated that the vegetation will grow back following construction and therefore no mitigation is proposed for impacts to this invasive plant community. Without appropriate mitigation, the proposed project in combination with cumulative projects would potentially contribute to the cumulative impact to riparian habitat or other sensitive natural communities; see Mitigation Measures **MM-BIO-1**, **MM-BIO-2**, **MM-BIO-4**, and **MM-BIO-5.**

4.3.5.3 Jurisdictional Waters and Wetlands

As discussed in Section 4.3.4, the project could result in potentially significant indirect impacts jurisdictional waters and wetlands. Projects in the City of Poway are required to meet a no-net-loss standard for both function and spatial area of wetland and non-wetland resources. Without appropriate mitigation, the proposed project in combination with cumulative projects would potentially contribute to the cumulative impact to jurisdictional waters and wetlands; see Mitigation Measures **MM-BIO-1**, **MM-BIO-2**, **MM-BIO-4**, and **MM-BIO-5**.

4.3.6 Mitigation Measures

The following mitigation measures would be implemented to reduce potentially significant impacts to less than significant.

MM-BIO-1 Staking and silt fencing shall be installed along the entire perimeter of the construction footprint/area proposed for grading. Additionally, pre-construction environmental awareness educational meetings for the team and crews, as well and biological monitoring during vegetation clearing and grading activities, shall occur. Construction/contractor personnel shall complete a

Workers Environmental Awareness Program to ensure compliance with environmental/permit regulations and mitigation measures. Construction-limits staking and biological monitoring shall prevent inadvertent impacts to special-status vegetation or potential special-status wildlife species and their habitat.

MM-BIO-2 Prior to construction permit issuance, grading and building plans shall ensure that the wetland and riparian area is protected with on-site construction fencing. The construction fencing shall be portrayed on the construction plans. The construction plans shall specify that construction fencing shall be maintained for the entire duration of construction activity until the permanent, outer wall proposed for the new development has been constructed, protecting the adjacent riparian and wetland habitats.

MM-BIO-3 In accordance with the Migratory Bird Treaty Act of 1918 and Section 3503.5 of the California Fish and Game Code, to avoid any direct impacts to raptors and/or any native/migratory birds, removal of habitat that supports active nests in the proposed project site should occur outside of the breeding season for these species (February 1 to September 15). If removal of habitat in the proposed area of disturbance must occur during the breeding season, a qualified biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds in the proposed area of disturbance. The pre-construction survey shall be conducted not more than 72 hours prior to the start of construction activities (including removal of vegetation). If any active nests are detected, the area will be flagged and mapped on the construction plans along with a 300- to 500-foot (for raptors) avoidance buffer, and will be avoided until the nesting cycle is complete or it is determined that the nest has failed. Noise monitoring may also be required. The final buffer will be determined by the biologist(s).

MM-BIO-4 Prior to construction permit issuance, grading and building plans shall specify the following:

- Employees shall strictly limit their activities, vehicles, equipment, and construction materials to the fenced project footprint.
- To avoid attracting predators, the project site shall be kept as clean of debris as possible. All food related trash items shall be enclosed in sealed containers and regularly removed from the site.
- Any lighting installed for project construction should be faced away from riparian and wetland habitat.
- Appropriate dust control measures (water trucks) should be implemented to reduce the amount of fugitive dust created by the project.
- Pets of project personnel shall not be allowed on the project site.

MM-BIO-5 All construction activity adjacent to wetland habitat areas shall be required to adhere to measures outlined in the Poway General Plan and Poway Grading Ordinance to avoid degradation to wetland and riparian habitat from erosion. These measures include restrictions on the timing and amount of grading. For example, grading shall be prohibited during the rainy season (October 1st through April 15th) without an approved erosion control plan and program in place. Grading or vegetation removal shall be prohibited adjacent to wetland areas during the rainy season unless determined to be allowable on a site-specific basis with the provision of all necessary erosion control devices, which must be in place and maintained throughout the grading period.

4.3.7 Level of Significance after Mitigation

Implementation of Mitigation Measures **MM-BIO-3, MM-BIO-4 and MM-BIO-5** would ensure direct and/or indirect impacts to potentially occurring special-status species, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail would be reduced to **less than significant** levels.

Implementation of Mitigation Measures **MM-BIO-1**, **MM-BIO-2**, **MM-BIO-4**, and **MM-BIO-5** would ensure that indirect impacts to the wetland and riparian habitat would be reduced to **less than significant.**

With the implementation of **MM-BIO-1** through **MM-BIO-5**, all impacts to biological resources would be reduced to **less-than-significant** levels.

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SOURCE: SanGIS 2017

DUDEK

0 75 150 Feet

FIGURE 4.3-1

Biological Resources

Harmon Ranch Specific Plan Project EIR

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SOURCE: Hunsaker & Associates San Diego, Inc.; SanGIS 2017

DUDEK

0 80 160 Feet

FIGURE 4.3-2

Impacts to Biological Resources

Harmon Ranch Specific Plan Project EIR

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4.4 Cultural and Tribal Cultural Resources

This section describes the existing cultural and tribal cultural resources conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The information provided in this section was incorporated from the Built Environment Inventory and Evaluation Report for Harmon Ranch prepared by Dudek in February 2023 and the Cultural Resource Inventory Report for the Harmon Ranch Project prepared by Dudek in October 2023. Copies of these reports are included in this environmental impact report (EIR) as Appendices E and F, respectively.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to cultural and tribal cultural resources focused on the following topics:

- Impacts to Kumeyaay artifacts
- Archaeological resources disturbed by the project site

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.4.1 Existing Conditions

This section provides information on the cultural setting of the project site, as well as information on the research methodology used to prepare the Built Environment Inventory and Evaluation Report and Cultural Resources Inventory Report for the proposed project. Additional details can be found in Appendix E and Appendix F of this EIR.

The project's area of potential effect (APE), as analyzed in the Cultural Resources Inventory Report, includes the entire 11.5-acre project site, which is located in the City of Poway, County of San Diego, and consists of Assessor's Parcel Numbers (APNs) 317-500-11; 317-500-12, 317-500-13, 317-500-14, 317-500-02, 317-500-03, 317-500-09, 317-500-10, 317-501-01, and 317-501-02. The project APE is located on Oak Knoll Road between Pomerado Road and Carriage Road. The majority of the undeveloped area within the northern portion of the project site has been cleared and was recently being used as a construction staging yard for a San Diego Gas & Electric gas line project. Land use around the project site is primarily residential. There is an undeveloped steep hillside within the northeast portion of the site south of the Kumeyaay Interpretative Center and west of Roca Grande Drive. Scattered trees and landscaping surround the four historic age residential buildings within the study area. The majority of the site has been cleared for several years and used to be utilized as a construction staging yard for a San Diego Gas & Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building known as the "Harmon House" located at 12702 Oak Knoll Road (APN 317-500-14-00). The current property owner is Harmon Family Trust.

Methodology

The information reviewed for the analysis of cultural resources on the project site included California Historical Resources Information System and the South Coastal Information Center search, review of previous cultural resource studies, archival research, Native American outreach determine if there are any cultural resources on the project site. On April 12, 2022, a letter requesting a search of the Sacred Lands Files was sent to the

Native American Heritage Commission (NAHC). Dudek Archaeologist Javier Hernandez and Native American monitor Logovij Sialo conducted a survey of the project APE on April 22, 2022.

Record Search

Dudek requested a records search of data on file at the South Coastal Information Center for the project APE and a 1-mile buffer on June 8, 2021. The purpose of the records search is to identify any previously recorded cultural resources that may be located within the property. In addition to a review of previously prepared EIRs, permit application packages, site records, and reports, the records search also reviewed historical maps of the project APE and vicinity, ethnographies, the National Register of Historic Places (NRHP), the California Register of Historic Resources (CRHR), the Built Environment Resources Directory, and the lists of California State Historical Landmarks, California Points of Historical Interest, and Archaeological Determinations of Eligibility. Dudek received the results of the records search on June 10, 2021.

Previously Recorded Resources-

The records search identified 16 cultural resources within 1 mile of the project APE, two of which intersect the current project APE. Brief discussions of these two intersecting resources, P-37-008245 and P-37-016042, are included below. Table 4.4-1 summarizes the cultural resources within 1 mile of the project APE.

Table 4.4-1. Cultural Resources Previously Identified within 1 Mile of Project APE

Primary No	Trinomial	Era	Description
Intersects Project APE			
P-37-008245	CA-SDI-8245	Prehistoric	Milling station and campsite
P-37-016042	CA-SDI-14605/H	Historic	Cistern filled with refuse
Within 1 Mile of Project APE			
P-37-000012	CA-SDI-2	Prehistoric	Bedrock milling and artifact scatter
P-37-000592	CA-SDI-592	Prehistoric	Bedrock milling, petroglyphs, and artifact scatter
P-37-004512	CA-SDI-4512	Prehistoric	Bedrock milling, hearths, and artifact scatter
P-37-004633	CA-SDI-4633	Prehistoric	Bedrock milling, hearths, and artifact scatter
P-37-006083	CA-SDI-6083	Prehistoric	Bedrock milling and artifact scatter
P-37-006665	CA-SDI-6665	Prehistoric	Artifact scatter
P-37-006666	CA-SDI-6666	Prehistoric	Bedrock milling and lithic scatter
P-37-011481	CA-SDI-11481	Prehistoric	Bedrock milling feature and lithic scatter
P-37-018285	CA-SDI-15547	Prehistoric	Habitation site
P-37-027171	—	Historic	Water tank
P-37-033470	—	Historic	Dirt road
P-37-033481	CA-SDI-21057	Prehistoric	Bedrock milling
P-37-033557	—	Historic	Old Highway 395
P-37-035873	—	Historic	Structure refuse

Source: Appendix F.
Note: APE = area of potential effect.

P-37-008245/CA-SDI-8245

This site was originally recorded by Gary Fink in 1975 as a "knoll top milling station and campsite." Fink (1975) recorded extensive midden concentrated near the top of the east side of the knoll but noted "midden scatter" on parts of the knoll's slopes. The original record identified seven mortar holes, three slicks, two basins, one "mini-mortar, and scattered flakes and tools. A portion of the site was tested by Affinis in 1990 by excavating an undisclosed number of shovel test pits, which found archaeological deposits extending below 60 centimeters (Affinis 1990). Affinis noted that the portion of the resource that is now within the current project APE was previously farmed and highly disturbed.

In 1991, Brian F. Smith and Associates evaluated P-37-008245 with a series of excavated trenches. Finding the resource significant, a data recovery program was initiated that included excavation of two 3 x 3 meter block units and four 1 x 1 meter units within the current project APE. Brian F. Smith and Associates reported that the data recovery program resulted in the successful excavation of a representative sample of the site, determined the site function, curated nearly 3,000 artifacts for future study, and "generally exhausted the research potential" of the portion of the resource within the current project APE. Brian F. Smith and Associates recommended that a cultural resource monitoring program be implemented during construction grading.

Though P-37-008245 is considered significant under CEQA and intersects the current project APE, the portion of the resource that intersects the APE has previously undergone data recovery to mitigate potentially adverse impacts to the periphery of the resource mitigation. The portion of P-37-008245 that intersects the project APE lacks research potential and is unlikely to pose any substantial archaeological constraint to the project.

P-37-016042/CA-SDI-14605/H

This resource was identified in 1998 during the grading of an empty lot and consists of a historic cistern filled with refuse (Kirkish 1998). The refuse included household goods, automobile items, building materials, and personal items. A few prehistoric artifacts were also identified on the lot but appeared to have been displaced from fill soils used during the construction of the previous residence. The systematic recovery of cultural material from the feature and trash scatter exhausted the data potential of the site and avoidance of the resource is not necessary. This resource was identified within the current project APE.

Previous Studies

The records search identified 72 previous studies that have been performed within 1 mile of the project APE. Five of these studies have addressed at least a portion of the project APE; however, the entire project APE has not been previously surveyed. These previous studies were conducted between 1990 and 2000 and are not considered current.

Previously Identified Built Environment Resources

Archival Research

Historic topographic maps and aerial photographs of the project APE were reviewed in order to assess land use and development changes over time, particularly related to historical resources and the known archaeological sites. Historic photographs are available since 1953. The 1953 aerial photograph shows that the property was undeveloped except for the stone house located in the southeastern corner of the project APE at 12702 Oak Knoll Road. By 1964, two more residences were constructed in the southern portion of the project APE, one north and one south of Oak Knoll Street. By 1978, a residential development was constructed along the eastern boundary of the project APE and several

dirt paths or roads were established within the northern project APE. The aerial photograph from 1990 appears to show grading or mowing of the northern portion of the project APE. Additional grading occurred in the central portion of the project APE in 2010 and a San Diego Gas and Electric staging yard now occupies the northern portion of the project APE. The historic aerial photographs show that the project APE has been surrounded by development since the late 1950s or early 1960s and was subject to repeated, though not complete, disturbances in the form of grading and dirt roads. Any surface cultural resources that may have been present are likely disturbed but intact archaeological deposits are possible.

In addition to the review of the historic topographic maps and aerial photograph, the following resources were utilized to analyze the project site and the four historic age buildings: the Built Environment Resources Directory, Poway Branch Library, City of Poway, consultation with Brian Smith, ParcelQuest, San Diego County Digital Library, historical newspaper review.

Tribal Resources

Dudek requested an NAHC search of the Sacred Lands File on April 15, 2022, for the proposed project APE and a 1-mile buffer. The Sacred Lands File consists of a database of known Native American resources. These resources may not be included in the South Coastal Information Center database. The NAHC replied on May 19, 2022, and reported that the Sacred Lands File did not identify any known Native American cultural resources within the project APE or the surrounding 1-mile buffer. The NAHC additionally provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in this area.

Outreach letters were mailed on May 27, 2022, to all Native American group representatives included on the NAHC contact list. These letters attempted to solicit additional information relating to Native American resources that may be impacted by the project. Native American representatives were requested to define a general area where known resources intersect the project APE. To date, four responses to these requests have been received.

Barona Band of Mission Indians stated that because the project is astride a creek and ethnographic village of Paqui, there is an increased cultural sensitivity. Barona recommended an intensive pedestrian survey and construction monitoring. Jamul Indian Village stated that they consulted their database and have concerns that the project area is sensitive for cultural resources. They stated that they would consult with the City. Likewise, San Pasqual Band of Mission Indians stated that the project is in their Traditional Use Area, and they would like to engage in formation government to government consultation. Viejas Band of Kumeyaay Indians stated that the project area was significant to Viejas, and they requested that a Kumeyaay Cultural Monitor be on site during any ground disturbing activities.

In compliance with Senate Bill (SB) 18 and Assembly Bill (AB) 52, the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities.

Intensive Pedestrian Survey – Archaeological Resources

Dudek Archaeologist Javier Hernandez conducted a survey of the project APE on April 22, 2022. Native American monitor Logovii Sialo from Saving Sacred Sites Inc., a Luiseño owned company, participated in the pedestrian survey. The project APE consists of two vacant lots bisected by Oak Knoll Road that border existing residential neighborhoods. The larger parcel north of Oak Knoll Road has been previously disturbed as evidenced by two residences with outbuildings, trimmed vegetation, heavy machinery grading, and the presence of a construction staging yard. The staging yard has been heavily disturbed by commercial equipment and vehicle storage. It occupies the majority of

parcel, leaving an unfenced area approximately 160 by 60 meters on the north half of the parcel. This area was densely vegetated with a row of trees aligning a drainage on the western APE boundary. The thick grass made surface visibility poor on the southwest facing knoll. The second smaller parcel south of Oak Knoll Road has also been heavily disturbed as evidenced by road gravels and trimmed grass. The southernmost extent of the APE bordering Poway Creek was heavily vegetated by trees and brush and the northern bank of Poway Creek was too steep to access for surveying. The northern portion of the southern lot was heavily vegetated by grass making surface visibility poor. Though currently undeveloped, the project is immediately adjacent to residential and commercial development. Pedestrian survey was conducted utilizing formal transects at 15-meter intervals, except as noted above. Deviations from transects also occurred to inspect animal burrows and other locations of exposed sediments and rock outcrops. No cultural resources were identified within the project.

Field Survey-Historical Resources

A field survey was conducted and analyzed by Dudek Architectural Historians Claire Cancilla, MSHP, Katie Ahmanson, MHC, and Nicole Frank, MSHP to evaluate the built environment of the project site. Four historic age properties are located within the Built Environment Study Area for this project: Property A: 12702 Oak Knoll Road (APN 317-500-14-00), Property B: 12650 Oak Knoll Road (APN 317-500-13-00), Property C: 12624 (APN 317-500-11-00), and Property D: 12623 Oak Knoll Road (APN 317-501-02-00). Results of the survey are discussed below.

4.4.2 Relevant Plans, Policies, and Ordinances

Federal

National Historic Preservation Act

The National Historic Preservation Act established the NRHP program under the Secretary of the Interior. The act authorized funding for state programs with provision for pass-through funding and participation by local governments, created an Advisory Council on Historic Preservation, and established the Section 106 review process for protecting historic resources. The goal of the Section 106 review process is to offer protection to sites that are determined eligible for listing in the NRHP. The National Historic Preservation Act provides the legal framework for most state and local preservation laws.

Native American Graves Protection and Repatriation Act

Enacted in 1990, the Native American Graves Protection and Repatriation Act conveys to American Indians of demonstrated lineal decent the human remains and funerary or religious items that are held by federal agencies and federally supported museums, or that have been recovered from federal lands. It also makes the sale or purchase of American Indian remains illegal, whether or not they derive from federal or Indian lands.

Secretary of the Interior Standards

The Secretary of the Interior is the head of the U.S. Department of the Interior, which is the nation's principal conservation agency. The department oversees agencies including the Bureau of Land Management, the Bureau of Indian Affairs, and the National Park Service.

The Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation

The purpose of the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation of 1983 is to (1) organize the information gathered about preservation activities; (2) describe results to be achieved by federal agencies, states, and others when planning for the identification, evaluation, registration and treatment of historic properties; and (3) integrate the diverse efforts of many entities performing historic preservation into a systematic effort to preserve the nation's culture heritage.

The Secretary of the Interior's Standards for Rehabilitation

Developed in 1986, the Secretary of the Interior's Standards for Rehabilitation are 10 basic principles created to help preserve the distinctive character of a historic building and its site, while allowing for reasonable change to meet new needs.

The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings

The Secretary of the Interior's Standards for the Treatment of Historic Properties were developed to help protect the nation's irreplaceable cultural resources by promoting consistent preservation practices. The standards are a series of concepts about maintaining, repairing, and replacing historic materials, as well as designing new additions or making alterations; thus, they cannot, in and of themselves, be used to make essential decisions about which features of a historic property should be saved and which be changed. But once an appropriate treatment is selected, the standards provide philosophical consistency to the work.

State

California Register of Historic Resources (California Public Resources Code, Section 5020 et seq.)

In California, the term "historical resource" includes, but is not limited to, "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code, Section 5020.1[j]). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code, Section 5024.1[a]). A resource is eligible for listing in the CRHR if the State Historical Resources Commission determines that it is a significant resource and that it meets any of the following NRHP criteria (California Public Resources Code, Section 5024.1[c]):

(1) Associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history.

Resources less than 50 years old are not considered for listing in the CRHR unless it can be demonstrated that sufficient time has passed to understand the historical importance of the resource (see 14 CCR 4852[d][2]). The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing on the NRHP are automatically listed on the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys. The State Historic Preservation Officer maintains the CRHR.

California Points of Historic Interest

California Points of Historical Interest are buildings, structures, site or features of local (city and county) significance that have anthropological, cultural, military, political, architectural, economic, scientific/technical, religious, experimental, or other value. Points of Historical Interest designated after December 1997 are recommended by the State Historical Resources Commission to also be listed in the CRHR. The criteria for designation of Points of Historical Interest are the same as those that govern the California Historic Landmarks program.

Native American Historic Cultural Sites (California Public Resources Code, Section 5097 et seq.)

State law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NAHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy Native American historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological and historic resources:

(1) PRC Section 21083.2(g): Defines "unique archaeological resource."
(2) PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a): Define historical resources. In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of a historical resource.
(3) PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e): Set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
(4) PRC Sections 21083.2(b)–(c) and CEQA Guidelines Section 15126.4: Provide information regarding the mitigation framework for archaeological and historic resources, including options of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; 14 CCR 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, if it is included in a local register of historic resources, or is identified as

significant in a historical resources survey (meeting the requirements of PRC Section 5024.1[q]), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; 14 CCR 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; 14 CCR 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (14 CCR 15064.5[b][1]; PRC Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project does the following:

(1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the CRHR

(2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant.

(3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA

California Health and Safety Code, Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code, Section 7050.5, requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the county coroner has examined the remains (Section 7050.5b). If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (Section 7050.5c). The NAHC will notify the most likely descendant. With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 24 hours of notification of the most likely descendant by the NAHC. The most likely descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

California Health and Safety Code, Section 8010–8011

This code is intended to provide consistent state policy to ensure that all California Native American human remains and cultural material are treated with dignity and respect. The code extends policy coverage to non-federally recognized tribes and federally recognized groups.

Assembly Bill 2461

The bill provides procedures for private landowners to follow upon discovering Native American human remains. Landowners are encouraged to consider culturally appropriate measures if they discover Native American human remains as set forth in California Public Resources Code, Section 5097.98.

Senate Bill 18

SB 18, approved in 2004, amends the California Civil Code and the California Government Code, requiring cities and counties to contact and consult with California Native American tribes prior to adopting or amending any general plan or specific plan, or designating land as open space in order to preserve or mitigate impacts to specified Native American places, features, and objects that are located within the city's or county's jurisdiction. SB 18 also requires cities and counties to hold in strict confidence any information about the specific identity, location, character or use of these resources. In 2005, the Governor's Office of Planning and Research published Tribal Consultation Guidelines to guide cities and counties on the process of engaging in consultation in accordance with SB 18. The NAHC maintains a list of California Native American tribes with whom cities and counties must consult pursuant to SB 18.

Assembly Bill 52 (Chapter 532, Statute of 2014)

California AB 52, which took effect July 1, 2015, establishes a consultation process between California Native American Tribes and lead agencies in order to address tribal concerns regarding project impacts and mitigation to "tribal cultural resources". PRC Section 21074(a) defines TCRs and states that a project that has the potential to cause a substantial adverse change to a TCR is a project that may have an adverse effect on the environment. A TCR is defined as a site, feature, place, cultural landscape, sacred place, and object with cultural value to a California Native American tribe that is either:

(1) Listed or eligible for listing in the CRHR or a local register of historical resources
(2) Determined by a lead agency to be a TCR

Traditional Cultural Properties/Native American Heritage Values

State Federal and state laws mandate that consideration be given to the concerns of contemporary Native Americans with regard to potentially ancestral human remains associated funerary objects, and items of cultural patrimony. Consequently, an important element in assessing the significance of the study site has been to evaluate the likelihood that these classes of items are present in areas that would be affected by the proposed project.

The category termed "Traditional Cultural Properties" in discussions of cultural resource management performed under federal auspices is also potentially relevant to prehistoric archaeological sites. According to Parker and King (1998), "Traditional" in this context refers to those beliefs, customs, and practices of a living community of people that have been passed down through the generations, usually orally or through practice. The traditional cultural significance of a historic property, then, is significance derived from the role the property plays in a community's historically rooted beliefs, customs, and practices. Examples of properties possessing such significance include the following:

(1) A location associated with the traditional beliefs of a Native American group about its origins, its cultural history, or the nature of the world
(2) A rural community whose organization, buildings and structures, or patterns of land use reflect the cultural traditions valued by its long-term residents
(3) An urban neighborhood that is the traditional home of a particular cultural group, and that reflects its beliefs and practices

(4) A location where Native American religious practitioners have historically gone, and are known or thought to go today, to perform ceremonial activities in accordance with traditional cultural rules of practice

(5) A location where a community has traditionally carried out economic, artistic, or other cultural practices important in maintaining its historic identity

Native American Historic Resource Protection Act

State law addresses the disposition of Native American burials in archaeological sites, and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NAHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act (PRC Section 5097 et seq.) makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy a Native American historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Native American Graves Protection and Repatriation Act

The California Native American Graves Protection and Repatriation Act (California Repatriation Act) (25 USC Chapter 32), enacted in 2001, requires all state agencies and museums that receive state funding and that have possession or control over collections of human remains or cultural items, as defined, to complete an inventory and summary of these remains and items on or before January 1, 2003, with certain exceptions. The California Repatriation Act also provides a process for the identification and repatriation of these items to the appropriate tribes.

Local

City of Poway Municipal Code

Chapter 17.45 of the City's Municipal Code describes the City's cultural resources regulatory framework. The City's planning goals and policies aim to "protect, enhance and perpetuate historic/cultural resources, sites, and districts that represent or reflect elements of the City's cultural, social, economic, political and architectural history for the public health, safety and welfare of the people of the City" and to "permit historic sites to be identified, documented, and recorded by written and photographic means and allow an opportunity for voluntary preservation of historic sites, all without infringing on the ability and right of a property owner to control the use of property or structures" (City of Poway, Chapter 17.45.010, Ord. 296 § 1, 1989).

Subchapter 17.45.030 of the City's Municipal Code defines four categories of historic/cultural resources ("A," "B," "C" and "D" resources) and establishes the following criteria for evaluating historic/cultural resources. The criteria within each category are numbered below for clarity.

Category A: This category is reserved for those structures, buildings, sites, or objects of major significance. The resource must meet one or more of the following criteria:

(1) It is the site of, or reflects special elements or events of the City's cultural, social, economic, political, aesthetic, engineering or architectural history; or

(2) It is associated with persons or events important in regional, State or national history; or

(3) It is a rare or particularly fine example of a certain architectural style or construction technique associated with a particular period of history; or

(4) It is the work or an architect, engineer, or designer who has substantially influenced regional, State, or national trends or the development of the North County region; or

(5) Owing to its unique location or singular physical characteristics, it represents an established feature of the neighborhood or City whose removal would adversely affect the appearance or spatial and design relationships of the area.

Category B: Structures, buildings, sites, or objects in this category must have one of the following characteristics:

(1) It is associated with important persons, events, or eras in the City, regional, or State history;

(2) Its original design, architecture, aspect or function of the resource is significant but has been altered, affecting its integrity;

(3) It is a good (but not rare or particularly outstanding) example of certain style or construction technique, or of the work of a prominent architect, engineer, or designer.

Category C: Structures, buildings, sites, or objects in this category must have one of the following characteristics:

(1) It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;

(2) It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Category D: Structures, buildings, sites, or objects in this category are:

(1) Built prior to 1940, and clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history.

Further research on any building, structure, site, or object may yield information on their roles in history. This information may warrant their inclusion in a different category. Applications to change the categorization of an identified resource or to add a resource to the survey shall be submitted to the City Development Services Department. The application should contain information which provides justification for adding a historic/cultural resource to the survey or changing its category designation. (Ord. 518, 1999; Ord. 296 § 1, 1989)

Subchapter 17.45.050 states that for a historic/cultural resource to be designated as a Poway historic landmark, additional criteria must be met. Following adoption of a survey of historic/cultural resources, the Development Services Department must act upon an application and may designate historic landmarks by finding that a historic/cultural resource is of local, regional, State, or national significance, and is designated as a category A or B historic/cultural resource. In addition, the Development Services Department shall find that the historic/cultural resource meets one of the following criteria:

(1) Its location is the site of a historic event having major significance to the City, State or United States;

(2) Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States;

(3) Its quality as one of the finest examples in the City of the work of an architect of major importance;

(4) Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States;

(5) Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship;

(6) Its potential of yielding historic/cultural information of major importance;

(7) Its integrity as a natural feature that has made a major contribution to the community;

(8) Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

The findings shall be supported by substantial evidence presented to the Development Services Department. (Ord. 518, 1999; Ord. 296 § 1, 1989).

Subchapter 17.45.100 outlines procedures for removing landmark designation. Any time a historic/cultural resource has been designated an historic landmark by this chapter, the property owner may apply to the Director of Development Services for removal of the designation by showing that the property will not benefit any further from incentives granted pursuant to PMC 17.45.110 during the landmark designation process. (Ord. 518, 1999; Ord. 296 § 1, 1989). PMC 17.45.110 does not specific incentives, but states:

In order to carry out the purposes of this chapter, the Development Services Department shall develop and recommend to the City Council a program of economic and other incentives to support the preservation, maintenance and appropriate rehabilitation of historic landmarks. These incentives may be granted at any time after an historic/cultural resource is designated as an historic landmark. (Ord. 518, 1999; Ord. 296 § 1, 1989)

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policies and strategies regarding cultural and tribal resources (City of Poway 1991):

Goal I, Policy B – Subdivisions Design: Subdivisions should be designed to ensure that future land development supports the goals of the General Plan.

- **Strategy 11:** Significant existing natural resources shall be incorporated into the design of new projects rather than removed. These shall include, but are not limited to, large mature trees, sensitive biological habitat and vegetation, streams, steep hillsides, major rock outcroppings and archaeological and historical structures.
- **Strategy 17:** Development should be concentrated in the least environmentally sensitive locations in order to preserve open space, retain natural vegetation and protect natural, cultural and historic features.

Goal IV, Policy D – Archaeological Sites: Archaeological resources are an important part of our heritage and should be preserved and protected.

- **Strategy 1:** Archaeological guidelines for the treatment of archaeological resources discovered during the environment review process shall be implemented.
- **Strategy 2:** The City shall require that all artifacts recovered from sites within Poway during environmental impacts studies be presented to the City for permanent curation. This also recommended for the sphere of influence. The City shall designate the repository (i.e., a museum) for the artifacts or direct that a suitable structure be built or converted within the city boundaries to house the collections. The City shall ensure the proper treatment of the artifacts by selecting an archaeologist/historian to define the necessary elements for curation of specimens as outlined by the National Park Service. If the City cannot designate a facility as outlined by the National Park Service. If the City cannot designate a facility to curate the artifacts, then an agreement could be reached with the Poway Historical Society or the San Diego Archaeological Society to temporarily curate the artifacts.

- **Strategy 3:** Consider mitigation alternatives which include "in kind" measures that provide unusual or more beneficial results than the mitigation measures listed in the City archaeological/historical guidelines.
- **Strategy 4:** Maintain a listing of significant prehistoric sites and document the locations of all open space easement that include archaeological sites. These easements have been granted to protect resources; however, without acknowledging the locations of such easements, the success of the use of such easements for resource protection cannot be assured. The City should conduct a research effort to determine where easements for archaeological sites are located, especially those easements where "inherited" from the County of San Diego when the city was incorporated.

Goal IV, Policy E – Historical Sites: The historical structures which remain in Poway contribute significantly to the rural small town character of the community and should be preserved.

- **Strategy 1:** Complete a comprehensive survey to identify and evaluate historic structures and sites in Poway.
- **Strategy 2:** Maintain a Historic Sites List that will include a register of locations, photographs, and historically relevant information regarding each site, structure or feature recognized as historically sensitive or significant to the city's heritage. The Historic Sites List will include as its foundation, the criteria for relative categories of significance included in the City's Ordinance 296. The method to be used for adding structures to the Historic Sites List is also provided in Ordinance 296. Prehistoric sites should not be included on this list, as it will be available to the public and the locations of significant prehistoric sites should not be made publicly known.
- **Strategy 3:** Support community efforts to register local prehistoric and historic features that fulfill state or federal requirements. The basis for the registration of local sites of historic and prehistoric significance will be the Historic Sites List. The City shall consider funding a periodic review of the Historic Sites List by a qualified historian for the purpose of completing nomination forms for the National Register and state landmarks list.
- **Strategy 4:** Maintain appropriate legislation to apply alternative building code requirements as deemed necessary on an individual basis to preserve historic structure. The City shall also maintain appropriate legislation prohibiting the demolition of an historic structure without an evaluation of the condition of the structure and the costs of rehabilitation.
- **Strategy 5:** Study the feasibility of securing contracts with the owners of historic structures or places to restrict the use or alteration of the property or structure as defined in Government Code Section 50280 et seq. for tax advantages in the form of an historic easement. In the event that a contract or historic easement is executed, the City shall inform the County Assessor of any agreement reached for the purpose of historic preservation and encourage the Assessor to re-examine the assessment of the property based upon the agreement.
- **Strategy 6:** Prior to the demolition of any historic structure (for a definition of a historic structure, see Ordinance 296 and the archaeological guidelines filed at the City of Poway Planning Services Department), that structure shall be fully documented with plans, photographs, and an archaeological/architectural assessment. In the event that demolition is permitted for any historic structure within Categories A, B or C as described in Ordinance 296, mitigation may be accomplished through the payment of a fee which would be applied to the improvement of Old Poway Park. The City shall determine an equitable mitigation fee for the demolition of historic structures.
- **Strategy 7:** Mitigation of impacts to significant or sensitive historic structures may be accomplished by moving the structure to a new location within the city. This location should be similar in setting to the original site, depending upon the uniqueness of the original site.

- **Strategy 8:** Historic structures or places should not be designated for land uses that would lead to their demolition or to a depreciation in their value. Adjacent land uses should not conflict with the preservation of an historic structure or place.
- **Strategy 9:** Standards should be developed for community design adjacent to historic structures to preserve the integrity of the structure and its surroundings.

4.4.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to cultural resources are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to cultural and tribal cultural resources would occur if the project would:

Cultural Resources:

1. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5.
2. Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5d.
3. Disturb any human remains, including those interred outside of dedicated cemeteries.

Tribal Cultural Resources:

1. Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:
    A. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or
    B. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

4.4.4 Impacts Analysis

Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Four historic age properties were identified within the project site. Appendix E includes the results of archival research, a field survey, review of historic aerials, and research of various newspapers and recorded; development of an appropriate historic context for the evaluation of the project site; and recordation and evaluation for historical significance of four properties (Property A: 12702 Oak Knoll Road [APN 317-500-14-00], Property B: 12650 Oak Knoll Road [APN 317-500-13-00], Property C: 12624 [APN 317-500-11-00], and Property D: 12623 Oak Knoll Road [APN 317-501-02-00]) that contain resources that are over 45 years old.

Property A – 12702 Oak Knoll Road

Property A contains a one-story, single-family Rock House style house constructed circa 1933–1940 (Appendix E) known as the Harmon House. The residence has an L-shaped plan, with the original rectangular rock-clad portion to the south and a 1974 single-story wood frame rectangular addition clad in wood shake shingles extending to the north. Alterations to the property have occurred since the construction of the single-family residence. As discussed in Appendix E, Property A does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As a previously identified Poway Historic Site, the property appears to meet the requirements to be eligible as a City of Poway Category C building; however, following consultation with the City of Poway and Brian Smith, the property has been classified as a Category C building, the Harmon House is considered a CEQA historical resource.

The project has the potential to materially alter the structure of the rock house through construction-related vibration impacts. Vibration impacts to the stone cladding resulting in a loss of materials comprising the cladding of the Harmon House have the potential to cause an adverse change to the Harmon House by diminishing a physical characteristic that account for its inclusion in a local register. Such changes would result in an adverse change to the physical characteristics of the historical resource, namely the materials, design, and workmanship of the Harmon House, that convey its diminished historical significance as a good example of a commonplace period of architecture design or construction in the City of Poway and as an important resource with substantial alterations that have severely compromised its historic, cultural, or architectural significance. Therefore, impacts to the Harmon House on property A would be **potentially significant** due to the potential change to the stone cladding material that conveys its historic significance (**Impact CUL-1**). Potential construction-related vibration impacts may be reduced to a less than significant level with the implementation of **MM-CUL-1**, which requires that the Harmon House be avoided and protected from vibration- related construction impacts.

Project implementation may result in a substantial adverse change to the setting of the Harmon House on Property A. As a Category C building, the Harmon House has diminished integrity that has compromised its historic, cultural, or architectural significance. The integrity of setting for the Harmon House has been diminished due to the changes caused by adjacent single-family home construction to the east, south, and west of the property; however, the relatively unaltered vacant area to the north was a visual component of the resource's integrity of setting since its construction c. 1933–1940 and impacts to the setting of Property A could be **potentially significant** (**Impact CUL-2**). Due to the current diminished setting, maintaining or losing integrity of setting will not have an impact on the Harmon House's diminished ability to convey its historical significance. Potential view and vista impacts and changes to setting may be reduced to a less than significant level with the incorporation of MM-CUL-2, which includes the development of a landscape plan along Property A.

With the implementation of mitigation measures MM-CUL-1 and MM-CUL-2, potential impacts to the historical resource on property A, would be **less than significant**.

Property B – 12650 Oak Knoll Road

The subject property is a one-story, single-family house constructed in 1957 (San Diego County Assessor). The house has elements of the Minimal Ranch style. Alterations to the property have occurred since the construction of the single-family residence. Property B does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an eligible or designated historic district. Property B further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1957 (after 1940), it does not meet the

minimum requirements for a category of historical resource within the City of Poway. Therefore, Property B is not a CEQA historical resource, and no impact would occur.

Property C – 12624 Oak Knoll Road

The subject property is a one-story, single-family house constructed in 1959, with two ancillary buildings on the rear of the parcel (San Diego County Assessor). The house has elements of the Minimal Ranch style. Alterations to the property have occurred since the construction of the single-family residence. Property C does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an eligible or designated historic district. Property C further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. Therefore, Property C is not a CEQA historical resource, and no impact would occur.

Property D

The subject property is a one-story, single-family residence with an ancillary building to the rear of the property. It was constructed in 1946 (San Diego County Assessor).

12623 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an eligible or designated historic district. The property appears to meet the minimum requirements of a City of Poway Category D building, which includes properties built prior to 1940 that are clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history. Property D is of historic age, but does not appear to have significance as a historical resource. Therefore, 12624 Oak Knoll Road is not a CEQA historical resource.

Conclusion

Of the four properties evaluated on the project site, the Harmon House on Property A was the only property considered a CEQA historical resource. Potential construction-related vibration impacts to the Harmon House would be reduced to a less than significant level with the incorporation of MM-CUL-1. Potential view and vista impacts and changes to setting of the Harmon House would be reduced to a less than significant level with the incorporation of MM-CUL-2. The mitigation measures would ensure the proper treatment of historical resources on the project site. Therefore, impacts to historical resources would be **less than significant with mitigation**.

Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

The project site reflects a history of heavy disturbance and the NAHC Sacred Lands File search, Native American outreach, and pedestrian survey were negative for archaeological resources and TCRs. The records search revealed that two resources intersect the project APE: P-37-008245 and P-37-016042; however, both resources were archaeologically tested and found to be not significant under CEQA. Despite these resources being determined not significant with the project APE, there is an increased potential that ground disturbance will encounter buried cultural resources associated with these resources. If additional archaeological resources were found at the project site, impacts to significant archaeological resources are **potentially significant** (**Impact CUL-3**) and mitigation would be required. Mitigation measure MM-CUL-3 is proposed to ensure potential impacts to archaeological resources would not occur during project construction. Therefore, impacts would be **less than significant with mitigation**.

Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

No evidence of human remains were discovered during the records search nor the field survey. The project site was not tested or evaluated for human remains; however, it is unlikely that the project site was used as a burial ground or cemetery. There is no indication that the project site was used by Native Americans for religious, ritual, or other special activities. However, in the unlikely event that human remains are discovered onsite, impacts would be **potentially significant** (**Impact CUL-4**) and mitigation is required. Mitigation measure MM-CUL-3 is proposed to ensure potential impacts to archaeological resources, including human remains, would not occur during project construction. Therefore, impacts would be **less than significant with mitigation**.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

> ***a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or***
>
> ***b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

The project site reflects a history of heavy disturbance and the NAHC Sacred Lands File search, Native American outreach, and pedestrian survey were negative for tribal cultural resources. The records search revealed that two resources intersect the project APE: P-37-008245 and P-37-016042. Both resources were archaeologically tested and found to be not significant under CEQA within the project APE. Despite these resources were recommended not significant with the project APE, there is an increased potential that ground disturbance will encounter buried cultural resources associated with these resources. The records search yielded no tribal cultural resources within or immediately adjacent to the project site. However, if cultural resources are found at the project site (for example, during ground-disturbing construction activities), impacts related to tribal cultural resources would be **potentially significant** (**Impact CUL-5**) and mitigation is required.

As discussed in Section 4.1.1, Existing Conditions, a NAHC record search of the Sacred Lands Files produced negative results and contact letters were sent to all groups and individuals on the NAHC contact list. In compliance with SB 18 and AB 52, the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities. The City requested a Tribal Consultation List from the NAHC and received a list of 16 tribal representative from the NAHC. The City mailed separate SB 18 and AB 52 letters to the 16 tribal representatives on November 8, 2022. These notification letters included a description of the project, lead agency contact information, and a statement that the tribe had 90 days to request consultation under SB 18 and 30 days to request consultation under AB 52.

Four tribal entities responded to the SB 18 and AB 52 notification letters. Barona Band of Mission Indians, Jamul Indian Village, and Viejas Band of Kumeyaay Indians requested that a Kumeyaay Native American monitor be present during ground disturbing construction activities. San Pasqual Band of Mission Indians requested a project site visit, after which they would make recommendations. Consultation with San Pasqual Band of Mission Indians is considered ongoing. Consultation with all other tribes is considered concluded.

Implementation of MM-CUL-3 introduced above, would ensure potential impacts to tribal cultural resources would not occur. Therefore, impacts would be **less than significant with mitigation**.

4.4.5 Cumulative Impacts

A cumulative impact, in terms of cultural resources, refers to the mounting aggregate effect upon the cultural, archaeological, historical, or tribal resources due to modern or recent historic land use (e.g., residential development) and natural processes (e.g., erosion) that result from acts of humans. The issue that must be explored in a cumulative impact analysis is the aggregate loss of information as well as the loss of recognized cultural landmarks and vestiges of our community cultural history. Table 3-2, Cumulative Projects, lists projects within the proposed project area that would have the potential for a cumulative impact.

Historic Resources

Cumulative projects located in the region would have the potential to result in a cumulative impact associated with the loss of historical resources through physical demolition, destruction, relocation, or alteration of a resource or its immediate surroundings such that the significance of a historical resource would be materially impaired. As described above, impacts to the Harmon House would be reduced to less than significant with the implementation of MM-CUL-1 and MM-CUL-2. None of the cumulative projects identified in Table 3-2 would impact the setting of the Harmon House. Additionally Cumulative project would be required to reduce impacts to historical resources to less-than-significant impacts. Therefore, **no cumulative impacts** would occur.

Archaeological Resources

Cumulative projects located in the region would have the potential to result in a cumulative impact associated with the loss of archaeological resources through development activities that could cause a substantial adverse change in the significance of an archaeological resource. Any cumulative projects that involve ground-disturbing activities, including the development of land uses as designated under the General Plan, infrastructure projects, and/or private developments would have the potential to result in significant impacts to archaeological resources. These projects would be regulated by applicable federal, state, and local regulations. The loss of archaeological resources on a regional level may be adequately mitigated through the data recovery and collection methods specified in the regulations.

The records search revealed that two resources intersect the project APE: P-37-008245 and P-37-016042. Both resources were archaeologically tested and found to be not significant under CEQA within the project APE. However, an archaeological resources monitoring program would be implemented (**MM-CUL-3**) which would ensure that project-specific impacts would be less than significant. Since other cumulative projects within the City would be required to implement similar mitigation, as necessary, to avoid or reduce potential impacts to previously unknown archaeological resources, cumulative impacts would be **less than significant.**

Human Remains

Cumulative projects located in the region may have the potential to result in impacts associated with human remains due to grading, excavation, or other ground-disturbing activities. Similar to the project, the presence of human remains on cumulative project sites would typically remain unknown until earthwork activities commence for project construction. Projects that may result in significant impacts due to ground-disturbing activities include the development of land uses as designated under the General Plan, infrastructure projects, and/or private development. As discussed in Section 4.4.4, Impacts Analysis, the proposed project may have the potential to accidentally uncover human remains during ground-disturbing activities. In the event that any project, including the proposed project, encounters unknown

human remains during construction or during archaeological work, compliance with California Health and Safety Code, Section 7050.5 would be required. Additionally, implementation of MM-CUL-3 would further reduce the potential for impacts to human remains. Compliance with mandatory regulations during site preparation for all cumulative projects would prevent a cumulative impact from occurring to unknown human remains. As such, cumulative impacts would be **less than significant**.

Tribal Resources

Each cumulative project subject to AB 52 would require tribal consultation on a case-by-case basis to identify any potential TCRs affected by each cumulative project. It is anticipated that each cumulative project would require mitigation similar to that required of the project to reduce potentially significant impacts to TCRs to a level below significance. With implementation of project-specific mitigation and compliance with applicable regulations related to TCRs, cumulative impacts would be **less than significant**.

4.4.6 Mitigation Measures

The following mitigation measures would be implemented to reduce potentially significant impacts to less than significant.

MM-CUL-1 The project proponent shall inform construction personnel of the location and significance of Harmon House, and of the avoidance and protective measures that shall be implemented when working near the Harmon House. The Harmon House shall be avoided and protected during all phases of construction of the proposed project.

Prior to the start of work, a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), shall be retained to develop a plan of action for avoidance and protection of the Harmon House, in coordination with the City of Poway, and the project proponent. The plan shall include at a minimum:

(1) Procedure to review all construction plans to ensure there is a notation of the Harmon House's location on all construction plans;

(2) Initial testing for potential vibration impacts. Should any potential vibration impacts to stone cladding materials be identified as part of the initial testing, construction methods and equipment uses will be reassessed to ensure that no element of the house is damaged due to construction related ground-borne vibration activities;

(3) Details and timeline to conduct a preconstruction survey to document the existing condition of the Harmon House prior to the start of any ground disturbing work adjacent to the house;

(4) Procedures and timing for the placement and removal of a protective barrier(s) for the Harmon House property;

(5) A detailed plan for monitoring of the installation and removal of protective barriers, as well as notification procedures and monitoring for all project-related work within 20 feet of the Harmon House, by the Qualified Architectural Historian, or his or her designee;

(6) Details and timeline to conduct a post-construction survey to document the condition of the Harmon House after completion of work described in the project description

The plan shall include details and a deadline for the preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the Harmon House and compliance with protective measures. The plan shall comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties (Standards) and shall be memorialized in a technical memorandum, which shall be submitted to the City of Poway for review and approval. The final approved plan shall be submitted to the City of Poway no later than 30 days prior to the start of work. The plan shall be provided to the construction foreman at a project kick-off meeting. The technical memorandum documenting the pre-construction and post-construction conditions shall be submitted to the City of Poway within 30 days of completion of work within 20 feet of the Harmon House and removal of the protective barriers.

MM-CUL-2 In consultation with a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), the project proponent will develop and implement a landscape plan for the northern boundary of the Harmon House property. This landscape plan shall include trees that will create a visual screen between the Harmon House and the new development proposed to the north of the property. The implementation of this plan shall be documented in the technical memorandum documenting the pre-construction and post-construction conditions described in MM-CUL-1.

MM-CUL-3 An archaeological resources monitoring program to mitigate potential impacts to undiscovered, buried, or previously undetected elements of any archaeological resources within the project site shall be implemented to the satisfaction of the Lead Agency. The program shall include the following:

(1) Prior to issuance of a grading permit, the applicant shall provide written verification that a qualified archaeologist has been retained to implement the monitoring program. This verification shall be presented in a letter from the project archaeologist to the Lead Agency. The qualified archaeologist (project archaeologist) shall engage a Traditionally Culturally Affiliated (TCA) Native American representative to participate in the monitoring program. The TCA Native American monitor will be responsible to advise the project archaeologist regarding culturally sensitive artifacts or landforms within the project.

(2) The project archaeologist TCA Native American representative shall attend the pre-grading meeting with the contractors to explain and coordinate the requirements of the monitoring program.

(3) Archaeological and Native American monitoring shall be required during grading, unless the project archaeologist determines that the potential for cultural resources has been exhausted. The Native American monitor shall coordinate on-site monitoring with the project archaeologist. Full- or- part-time inspections may be considered depending upon the rate of excavation, the materials excavated, and the presence and abundance of artifacts and features. The project archaeologist, in consultation with the Kumeyaay representative, shall provide the City of Poway with any recommendations for reduced monitoring protocol.

(4) In the event that previously unidentified cultural resources are discovered during the monitoring program, the project archaeologist and TCA Native American Monitor shall have the authority to divert or temporarily halt ground-disturbance operation in the area of discovery to allow for the evaluation of potentially significant cultural resources. The project archaeologist shall contact the Lead Agency at the time of discovery. All discovered cultural resources shall be recorded and tested using standard archaeological protocols. Any resources determined to

not be CEQA-significant shall be released to the grading program. For any resources that are determined to be CEQA-significant and eligible for the California Register of Historical Resources, the project archaeologist, in consultation with the lead agency and the TCA Native American Monitor, shall determine the appropriate measures to be implemented in order to mitigate adverse impacts to the significant site.

(5) Human Remains: If human remains are encountered during grading, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the San Diego County Medical Examiner's Office has made the necessary findings as to origin. The City of Poway, the TCA Native American Monitor, and the applicant shall be immediately notified of the discovery of any possible human remains. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to their treatment and disposition has been made. If the medical examiner determines that the remains are of Native American origin, the NAHC must be contacted within 24 hours. The NAHC must then immediately identify the Most Likely Descendant(s) (MLD) for purposes of receiving notification of discovery. The MLD shall then make recommendations within 48 hours and engage in consultation concerning the treatment of the remains as provided in Public Resources Code Section 5097.98. The TCA Native American Monitor for grading will not necessarily be named as the MLD, and therefore, cannot provide direction until the MLD is determined.

(6) All cultural material collected during the grading monitoring program shall be cataloged, analyzed, and subsequently curated according to the current professional laboratory and repository standards. The collections and associated records shall be transferred, including title, to an appropriate curation facility, to be accompanied by payment of the fees necessary for permanent curation.

(7) A report documenting the monitoring program, any field investigations, and results of any data recovery programs or site evaluations shall be completed and submitted to the satisfaction of the Lead Agency prior to the issuance of any building permits. The report will include DPR Primary and Archaeological Site Forms.

4.4.7 Level of Significance after Mitigation

Implementation of **MM-CUL-1** would reduce **Impact CUL-1** to a level below significance by requiring that the Harmon House be avoided and protected from vibration- related construction impacts.

Implementation of **MM-CUL-2** would reduce **Impact CUL-2** to a level below significance which includes the development of a landscape plan along Property A.

Implementation of **MM-CUL-3** would reduce **Impact CUL-3, Impact CUL-4,** and **Impact CUL-5** to a level below significance by setting forth procedures for handling an accidental discovery of prehistoric archaeological resources or tribal cultural resources during site preparation, should they be encountered, including not but limited to, requiring the presence of archaeological and Native American monitors during certain project construction activities.

After mitigation, the proposed project would not represent a significant adverse impact to cultural resources or tribal cultural resources.

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4.5 Energy

This section describes the existing energy conditions of Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing conditions; technical data; applicable laws, regulations, and guidelines; and the air quality and greenhouse gas (GHG) technical report prepared by Dudek in June 2022. The Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Harmon Ranch Project is included in this environmental impact report (EIR) as Appendix B.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to energy focused on the following topics:

- Impacts to the power grid from energy consumption

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.5.1 Existing Conditions

The environmental setting for the proposed project related to electricity, natural gas, and petroleum, including associated service providers, supply sources, and estimated consumption, is discussed below. In summary, in 2019 (the latest calendar year for which data is uniformly available for all three types of energy sources), California's estimated annual energy use included the following:

- Approximately 250,379 gigawatt-hours of electricity (EIA 2020a)
- Approximately 21.5 billion therms of natural gas (EIA 2021)
- Approximately 28.7 billion gallons of petroleum (EIA 2020b)

Electricity

According to the U.S. Energy Information Administration, California used approximately 250,379 gigawatt-hours of electricity in 2019 (EIA 2020a). Electricity usage in California for different land uses varies substantially by the types of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. By sector in 2017, commercial uses utilized 46% of the state's electricity, followed by 35% for residential uses, and 19% for industrial uses (EIA 2019). Due to the state's energy efficiency building standards and efficiency and conservation programs, California's electricity use per capita in the residential sector is lower than any other state except Hawaii (EIA 2020b).

San Diego Gas & Electric (SDG&E) provides electric services to 3.6 million customers through 1.4 million electric meters located in a 4,100-square-mile service area that includes San Diego County (County) and southern Orange County (SDG&E 2022). SDG&E is a subsidiary of Sempra Energy and would provide electricity to the proposed project. According to the California Public Utilities Commission (CPUC), SDG&E customers consumed approximately 19,169 million kilowatt-hours (kWh) of electricity in 2015 (CPUC 2016).

SDG&E receives electric power from a variety of sources. According to the California Energy Commission (CEC) Biennial Renewable Portfolio Standard Program Update, about 40% of SDG&E's power came from eligible renewable energy sources in 2020, including biomass/waste, geothermal, small hydroelectric, solar, and wind sources (CPUC 2022).

Based on recent energy supply and demand projections in California, statewide annual peak electricity demand is projected to grow an average of 3,333 gigawatt-hours per year through 2030, or 1.2% annually. In San Diego County, CEC reported an annual electrical consumption of approximately 19.0 billion kWh in 2019, with 12.4 billion kWh for non-residential use and 6.7 billion kWh for residential use (CEC 2018).

Natural Gas

CPUC regulates natural gas utility service for approximately 10.8 million customers who receive natural gas from Pacific Gas & Electric, Southern California Gas (SoCalGas), SDG&E, Southwest Gas, and several smaller natural gas utilities. CPUC also regulates independent storage operators Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage (CPUC 2022). SDG&E provides natural gas service to the counties of San Diego and Orange and would provide natural gas to the proposed project. SDG&E is a wholesale customer of SoCalGas and currently receives all of its natural gas from the SoCalGas system (CPUC 2022).

CPUC regulates California natural gas rates and natural gas services, including in-state transportation over transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. California gas utilities may soon also begin receiving biogas into their pipeline systems (CPUC 2022).

In 2017, California customers received 38% of their natural gas supply from basins located in the Southwest, 27% from Canada, 27% from the Rocky Mountains, and 8% from basins located within California (CPUC 2022). Natural gas from out-of-state production basins is delivered into California through the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California are the Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Southern Trails, and Mojave Pipeline. The North Baja–Baja Norte Pipeline takes gas off the El Paso Pipeline at the California/Arizona border and delivers it through California into Mexico. The Federal Energy Regulatory Commission regulates the transportation of natural gas on interstate pipelines, and CPUC often participates in Federal Energy Regulatory Commission regulatory proceedings to represent the interests of California natural gas consumers (CPUC 2022).

Most of the natural gas transported through interstate pipelines, as well as some California-produced natural gas, is delivered through the Pacific Gas & Electric and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California's "backbone" natural gas pipeline system). Natural gas on the backbone pipeline system typically is then delivered into local transmission and distribution pipeline systems or to natural gas storage fields. CPUC has regulatory jurisdiction over 100,000 miles of utility-owned natural gas pipelines, which transported 82% of the natural gas delivered to California's gas consumers in 2017 (CPUC 2022).

Petroleum

According to the U.S. Energy Information Administration, California used approximately 681 million barrels of petroleum in 2018, with the majority (584 million barrels) used for the transportation sector (EIA 2020b). This total annual consumption equates to a daily use of approximately 1.9 million barrels of petroleum. There are 42 U.S. gallons in a barrel, so California consumes approximately 78.4 million gallons of petroleum per day, adding up to an annual

consumption of 28.7 billion gallons of petroleum. By sector, transportation sources utilize approximately 85.5% of the state's petroleum, followed by 11.1% from industrial, 2.5% from commercial, 0.9% from residential, and 0.01% from electric power uses (EIA 2018a). Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. California has implemented policies to improve vehicle efficiency and to support use of alternative transportation, which are described in Section 4.5.2, below. As such, CEC anticipates an overall decrease of gasoline demand in the state over the next decade.

Existing Infrastructure

The proposed project is located on the site of a currently vacant parcel and existing single family homes, and falls within the SDG&E service area.

4.5.2 Relevant Plans, Policies, and Ordinances

Federal, state, and local agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation, the U.S. Department of Energy, and the U.S. Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, CPUC and CEC are two agencies with authority over different aspects of energy. Relevant federal, state, and local energy-related regulations are summarized below. This information helps to place the impact analysis within its proper regulatory context.

Federal

Infrastructure Investment and Jobs Act

On November 6, 2021, Congress passed the Bipartisan Infrastructure Deal (Infrastructure Investment and Jobs Act), a once-in-a-generation investment in our nation's infrastructure and competitiveness. This Bipartisan Infrastructure Deal will rebuild America's roads, bridges, and rails, expand access to clean drinking water, ensure every American has access to high-speed internet, tackle the climate crisis, advance environmental justice, and invest in communities that have too often been left behind. The legislation will help ease inflationary pressures and strengthen supply chains by making long overdue improvements for our nation's ports, airports, rail, and roads. It will drive the creation of good-paying union jobs and grow the economy sustainably and equitably so that everyone gets ahead for decades to come. Combined with the President's Build Back Framework, it will add on average 1.5 million jobs per year for the next 10 years. It will improve transportation options for millions of Americans to reduce energy use and GHG emissions. It will increase investment in electric vehicle chargers and renewable energy production.

Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy Policy and Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration is responsible for establishing additional vehicle standards. In 2012, new fuel economy standards for passenger cars and light trucks were approved for model years 2017 through 2021 (77 FR 62624–63200). The National Highway Traffic Safety Administration is proposing to amend the Corporate Average Fuel Economy standards set in 2020 for passenger cars and light trucks manufactured in model years 2024–2026, so that standards would increase in stringency at a rate of 8% per year rather than the 1.5% year set previously (49 CFR Part 531). Fuel economy is determined based on each manufacturer's average fuel economy for the fleet of vehicles available for sale in the United States.

Intermodal Surface Transportation Efficiency Act of 1991

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) promoted the development of intermodal transportation systems to maximize mobility and address national and local interests in air quality and energy. ISTEA contained factors that metropolitan planning organizations were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, metropolitan planning organizations adopted policies defining the social, economic, energy, and environmental values guiding transportation decisions.

Transportation Equity Act for the 21st Century

The Transportation Equity Act for the 21st Century was signed into law in 1998 and builds on the initiatives established in the ISTEA legislation, discussed above. The act authorizes highway, highway safety, transit, and other efficient surface transportation programs. The act continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of transportation decisions. The act also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of intelligent transportation systems to help improve operations and management of transportation systems and vehicle safety.

Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 (EISA) was signed into law. In addition to setting increased fuel efficiency standards for motor vehicles, the EISA includes the following other provisions related to energy efficiency:

- Renewable Fuel Standard (RFS) (Section 202)
- Appliance and Lighting Efficiency Standards (Sections 301–325)
- Building Energy Efficiency (Sections 411–441)

This federal legislation requires ever-increasing levels of renewable fuels (the RFS) to replace petroleum (EPA 2013). EPA is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with refiners, renewable fuel producers, and many other stakeholders.

The RFS program was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the act, the original RFS program, "RFS1," required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several key ways that lay the foundation for achieving significant reductions in GHG emissions from the use of renewable fuels, reducing imported petroleum, and encouraging the development and expansion of the renewable fuels sector in the United States. The updated program is referred to as "RFS2" and includes the following:

- EISA expanded the RFS program to include diesel, in addition to gasoline.
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.

- EISA established new categories of renewable fuel and set separate volume requirements for each one.
- EISA required EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green" jobs.

State

The discussion below focuses primarily on those policies, regulations, and laws that directly pertain to energy-related resources. Refer to Section 4.7, Greenhouse Gas Emissions, of this EIR, which addresses various policies, regulations, and laws targeted to the reduction of GHG emissions that are expected to achieve co-benefits in the form of reduced demand for energy-related resources and enhanced efficiencies in the consumption of energy-related resources.

Warren-Alquist Act

The California Legislature passed the Warren-Alquist Act in 1974. The Warren-Alquist Act created the CEC. The legislation also incorporated the following three key provisions designed to address the demand side of the energy equation:

- It directed CEC to formulate and adopt the nation's first energy conservation standards for both buildings constructed and appliances sold in California.
- The act removed the responsibility of electricity demand forecasting from the utilities, which had a financial interest in high demand projections, and transferred it to a more impartial CEC.
- CEC was directed to embark on an ambitious research and development program, with a particular focus on fostering what were characterized as non-conventional energy sources.

State of California Energy Action Plan

CEC and CPUC approved the first State of California Energy Action Plan in 2003. The plan established shared goals and specific actions to ensure that adequate, reliable, and reasonably priced electrical power and natural gas supplies are provided, and identified policies, strategies, and actions that are cost-effective and environmentally sound for California's consumers and taxpayers. In 2005, a second Energy Action Plan was adopted by CEC and CPUC to reflect various policy changes and actions of the prior 2 years.

At the beginning of 2008, CEC and CPUC determined that it was not necessary or productive to prepare a new energy action plan. This determination was based in part on a finding that the state's energy policies have been significantly influenced by the passage of Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006 (discussed below). Rather than produce a new energy action plan, CEC and CPUC prepared an "update" that examines the state's ongoing actions in the context of global climate change.

Renewable Portfolio Standard

Senate Bill 1078 (2002)

This bill established the California Renewable Portfolio Standard Program and required that a retail seller of electricity purchase a specified minimum percentage of electricity generated by eligible renewable energy resources as defined in any given year, culminating in a 20% standard by December 31, 2017. These retail sellers include electrical corporations, community choice aggregators, and electric service providers. The bill relatedly required CEC to certify eligible renewable energy resources, design and implement an accounting system to verify compliance with the Renewable Portfolio Standard by retail sellers, and allocate and award supplemental energy payments to cover above-market costs of renewable energy.

Senate Bill (SB) 350 (2015) requires retail seller and publicly owned utilities to procure 50% of their electricity from eligible renewable energy resources by 2030, with interim goals of 40% by 2024 and 45% by 2027.

SB 100 (2018) accelerated and expanded the standards set forth in SB 350 by establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 also states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity resources does not increase the carbon emissions elsewhere in the western grid and that the achievement not be achieved through resource shuffling.

Assembly Bill 1007 (2005)

AB 1007 (2005) required CEC to prepare a statewide plan to increase the use of alternative fuels in California (State Alternative Fuels Plan). CEC prepared the plan in partnership with the California Air Resources Board (CARB) and in consultation with the other state, federal, and local agencies. The plan assessed various alternative fuels and developed fuel portfolios to meet California's goals to reduce petroleum consumption, increase alternative fuels use, reduce GHG emissions, and increase in-state production of biofuels without causing a significant degradation of public health and environmental quality.

Assembly Bill 32 (2006) and Senate Bill 32 (2016)

In 2006, the Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020. In 2016, the Legislature enacted SB 32, which extended the horizon year of the state's codified GHG reduction planning targets from 2020 to 2030, requiring California to reduce its GHG emissions to 40% below 1990 levels by 2030. In accordance with AB 32 and SB 32, CARB prepares scoping plans to guide the development of statewide policies and regulations for the reduction of GHG emissions. Many of the policy and regulatory concepts identified in the scoping plans focused on increasing energy efficiencies and the use of renewable resources and reducing the consumption of petroleum-based fuels (such as gasoline and diesel). As such, the state's GHG emissions reduction planning framework creates co-benefits for energy-related resources. Additional information on AB 32 and SB 32 is provided in Section 4.7 of this EIR.

California Building Standards

Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. Notably, Title 24 categorizes

residential buildings that are 4 or more habitable levels as high-rise residential rather than mid-rise. High-rise residential are included in the nonresidential section of Title 24 and subject to the nonresidential (not residential) code. Part 6 is updated periodically to incorporate and consider new energy efficiency technologies and methodologies.

The current Title 24, Part 6 standards, referred to as the 2019 Title 24 Building Energy Efficiency Standards, became effective on January 1, 2020. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018). The 2022 Title 24 Building Energy Efficiency Standards become effective on January 1, 2023. The 2022 standards encourage electric heat pump technology and use, establish electric-ready requirements when natural gas is installed, expand solar photovoltaic system and battery storage standards, and strengthen ventilation requirements to improve indoor air quality (CEC 2018).

Title 24 also includes Part 11, the California Green Building Standards (CALGreen). CALGreen establishes minimum mandatory standards, as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects (which the project is subject to), some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, EV charging stations, shade trees, water conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

Integrated Energy Policy Report

CEC is responsible for preparing integrated energy policy reports that identify emerging trends related to energy supply, demand, and conservation; public health and safety; and maintenance of a healthy economy. CEC's 2021 Integrated Energy Policy Report discusses the state's policy goals of decarbonizing buildings, doubling energy efficiency savings, and increasing flexibility in the electricity grid system to integrate more renewable energy. Specifically for the decarbonizing of building energy, the goal would be achieved by designing future commercial and residential buildings to have their energy sourced almost entirely from electricity in place of natural gas. Regarding the increase in renewable energy flexibility, the goal would be achieved through increases in energy storage capacity within the state, increases in energy efficiency, and adjusting energy use to the time of day when the most amount of renewable energy is being generated. Over time these policies and trends would serve to beneficially reduce the project's GHG emissions profile and energy consumption as they are implemented.

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB 2000). To improve air quality, CARB established emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025 cars will emit 75% less smog-forming pollution than the average new car sold today. To reduce GHG emissions, CARB, in conjunction with EPA and the National Highway Traffic Safety Administration, has adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are

estimated to reduce GHG emissions by 34% in 2025. The zero-emissions vehicles program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of zero-emissions vehicles and plug-in hybrid electric vehicles in the 2018 to 2025 model years. The Clean Fuels Outlet regulation will ensure that fuels such as electricity and hydrogen are available to meet the fueling needs of the new advanced technology vehicles as they come to the market.

Executive Order N-79-20

EO N-79-20 (2020) sets the goal for the State that 100% of in-state sales of new passenger cars and trucks will be zero-emission by 2035. EO-N-79-20 also sets goals for transition to 100% zero emission all medium- and heavy-duty vehicles by 2045, zero emission drayage trucks by 2035, and zero emission off-road vehicles and equipment by 2035, where feasible. Among other directives to further this executive order, for passenger cars and trucks, the Governor directed CARB to develop and propose regulations requiring increasing volumes of new zero-emission vehicles sold in the State towards the target of 100% of in-state sales by 2035. The Governor also directed the Governor's Office of Business and Economic Development to develop a Zero-Emissions Vehicle Market Development Strategy, which was completed in February 2021. The executive order also directs updates and assessments to ensure zero-emission vehicle infrastructure is in place to support the levels of electric vehicle adoption required by the order.

Sustainable Communities Strategy

The Sustainable Communities and Climate Protection Act of 2008, or SB 375, coordinates land use planning, regional transportation plans, and funding priorities to help California meet its GHG emissions reduction mandates. As codified in California Government Code, Section 65080, SB 375 requires metropolitan planning organizations (San Diego Association of Governments) to include a sustainable communities strategy in its regional transportation plan. The main focus of the sustainable communities strategy is to plan for growth in a fashion that will ultimately reduce GHG emissions, but the strategy is also a part of a bigger effort to address other development issues within the general vicinity, including transit and vehicle miles traveled (VMT), which influence the consumption of petroleum-based fuels.

Local

SDG&E Long-Term Procurement Plan

In 2009, CPUC approved SDG&E's Long-Term Procurement Plan (LTPP), which identifies how SDG&E will meet the future energy needs of customers in SDG&E's service area. The LTPP identifies several energy demand reduction targets (i.e., conservation) and goals for increasing renewable energy supplies, new, local power generation, and increased transmission capacity.

The LTPP sets a standard for acquiring 20% of SDG&E's energy mix from renewables by 2010 and 33% by 2020. The LTPP also calls for greater use of in-region energy supplies, including renewable energy installations. The LTPP states that, by 2020, SDG&E intends to achieve and maintain the capacity to generate 75% of summer peak demand energy with in-County generation. The LTPP also identifies 44% of its renewables to be generated and distributed in-region by 2020.

San Diego Association of Governments Regional Plan

The 2021 Regional Plan provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes a Sustainable Communities Strategy, as required by California SB 375, for the San Diego region. This Sustainable Communities Strategy describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then.

The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policy and strategies to limit energy use (City of Poway 1991):

Policy E – Air, Water and Soil Pollution: The City shall work locally and at the regional level to reduce air, water, and soil pollution within Poway.

- **Strategy 2:** Seek to promote a development pattern that reduces daily trips for shopping, school, and recreation.
- **Strategy 3:** Encourage ridesharing, the use of transit and other transportation systems management programs to reduce the number of vehicle miles traveled and traffic congestion.
- **Strategy 5:** Implement plans and programs to phase-in energy conservation improvements.
- **Strategy 6:** Investigate incentives and regulations to reduce emissions from swimming pools, residential and commercial water heating and heaters.

4.5.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to energy are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to energy would occur if the project would:

1. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
2. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.5.4 Impacts Analysis

Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Implementation of the proposed project would increase the demand for electricity and natural gas at the project site and gasoline consumption in the region during construction and operation.

Electricity

Construction Use

Temporary electric power for as-necessary lighting and electronic equipment, such as computers, may be needed inside temporary construction trailers. However, the electricity used for such activities would be temporary and would be substantially less than that required for project operation and would have a negligible contribution to the proposed project's overall energy consumption.

Operational Use

The operational phase would require electricity for multiple purposes including, but not limited to, building heating and cooling, lighting, appliances, and electronics.

California Emissions Estimator Model (CalEEMod) (version 2020.4.0) was used to estimate project emissions from energy uses (see Appendix B for calculations). Default electricity generation rates in CalEEMod were used (based on the proposed land use and climate zone) based on compliance with 2019 Title 24 for their respective land uses. It was estimated that the proposed project would consume approximately 493,563 kWh per year. This equates to approximately 0.49 gigawatt-hours per year. In 2018, the total electricity demand for San Diego County was 19,749 gigawatt-hours (CEC 2019a).

As described above, the electricity demand calculation for the proposed project assumes compliance with Title 24 standards for 2022. The proposed project would be required to meet the California Building Energy Efficiency Standards (24 CCR 6), which improve the energy efficiency of residential and non-residential buildings. The Title 24, Part 6, standards are updated every 3 years.

The proposed project is subject to statewide mandatory energy requirements as outlined in Title 24, Part 6, of the California Code of Regulations. Title 24, Part 11, contains voluntary energy measures that are applicable to the proposed project under the CALGreen Code. Prior to project approval, the project applicant would ensure that the proposed project meets Title 24 requirements applicable at that time, as required by state regulations through their plan review process. For these reasons, the electricity consumption of the proposed project would not be inefficient or wasteful, and impacts would be **less than significant**.

Natural Gas

Construction Use

Natural gas is not anticipated to be required during construction of the proposed project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed below under the "petroleum" subsection. Any minor amounts of natural gas that may be consumed as a result of project construction would be substantially less

than that required for project operation and would have a negligible contribution to the proposed project's overall energy consumption.

Operational Use

Project operation is proposed to be all electric. However, natural gas consumption may be used during operation for various purposes.

Default natural gas generation rates in CalEEMod for the proposed land use and climate zone were used and adjusted based on compliance with 2019 Title 24 (see Appendix B for calculations). According to these estimations, the proposed project would consume approximately 1,359,630 kBTU per year, which is equivalent to 13,596 therms per year. In comparison, the total natural gas demand for San Diego County in 2018 was 482,524,487 therms (CEC 2019b).

Although natural gas consumption may increase due to project operation, it would be designed to maximize energy performance. The proposed project is subject to statewide mandatory energy requirements as outlined in Title 24, Part 6, of the California Code of Regulations. Title 24, Part 11, contains voluntary energy measures that are applicable to the proposed project under the CALGreen Code. Prior to project approval, the project applicant would ensure that the proposed project meets Title 24 requirements applicable at that time, as required by state regulations through their plan review process. For these reasons, the natural gas consumption of the proposed project would not be inefficient or wasteful, and impacts would be **less than significant**.

Petroleum

Construction Use

Petroleum would be consumed throughout construction of the proposed project. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, and VMT associated with the transportation of construction materials and construction worker commutes would also result in petroleum consumption. Heavy-duty construction equipment associated with construction activities, and haul trucks involved in relocating dirt around the project site would rely on diesel fuel. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed that construction workers would travel to and from the project site in gasoline-powered vehicles.

Heavy-duty construction equipment of various types would be used during construction. CalEEMod was used to estimate construction equipment usage; results are included in Appendix B of this EIR. Based on that analysis, diesel-fueled construction equipment would operate for an estimated 32,617 hours, as summarized in Table 4.5-1.

Table 4.5-1. Hours of Operation for Construction Equipment

Phase	Hours of Equipment Use
Demolition	720
Site Preparation	368
Grading	6,000
Building Construction	20,723
Paving	2,880
Architectural Coating	1,926
Total	**32,617**

Source: Appendix B.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using conversion factors for CO_2 to gallons of gasoline or diesel. Construction is estimated to occur over an approximately 28-month period (February 2024 through June 2026) based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per metric ton CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton CO_2 per gallon (The Climate Registry 2021). The estimated diesel fuel use from construction equipment is shown in Table 4.5-2.

Table 4.5-2. Construction Equipment Diesel Demand

Phase	Pieces of Equipment[a]	Equipment CO_2 (MT)[a]	kg CO_2/Gallon[b]	Gallons
Demolition	3	18.98	10.21	1,858.83
Site Preparation	2	11.87	10.21	1,153.36
Grading	6	229.09	10.21	22,437.41
Building Construction	7	380.17	10.21	37,234.95
Paving	6	60.07	10.21	5,883.54
Architectural Coating	1	40.98	10.21	4,013.69
			Total	72,581.78

Sources:
[a] Appendix B.
[b] The Climate Registry 2021.
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Fuel consumption from worker and vendor trips was estimated by converting the total CO_2 emissions from the construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Worker vehicles are assumed to be gasoline fueled, and vendor/hauling vehicles are assumed to be diesel fueled.

Calculations for total worker, vendor, and hauler fuel consumption are provided in Table 4.5-3, Table 4.5-4, and Table 4.5-5.

Table 4.5-3. Construction Worker Vehicle Gasoline Demand

Phase	Trips	Vehicle CO_2 (MT)[a]	kg CO_2/Gallon[b]	Gallons
Demolition	16	1.47	8.78	167.78
Site Preparation	18	1.27	8.78	144.70
Grading	20	7.67	8.78	873.83
Building Construction	46	52.97	8.78	6,032.47
Paving	16	2.91	8.78	330.99
Architectural Coating	10	9.42	8.78	1,072.44
			Total	8,622.21

Sources:
[a] Appendix B.
[b] The Climate Registry 2021.
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Table 4.5-4. Construction Vendor Truck Diesel Demand

Phase	Trips	Vehicle CO_2 (MT)[a]	kg/CO_2/Gallon[b]	Gallons
Demolition	4	1.18	10.21	115.86
Site Preparation	4	0.91	10.21	88.82
Grading	4	4.93	10.21	482.75
Building Construction	16	60.24	10.21	5,900.27
Paving	4	2.35	10.21	229.95
Architectural Coating	4	12.34	10.21	1,208.26
			Total	**8,025.92**

Sources:
[a] Appendix B.
[b] The Climate Registry 2021.
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Table 4.5-5. Construction Haul Truck Diesel Demand

Phase	Trips	Vehicle CO_2 (MT)[a]	kg CO_2/Gallon[b]	Gallons
Demolition	40	1.18	10.21	115.49
Site Preparation	0	0	10.21	0
Grading	0	0	10.21	0
Building Construction	0	0	10.21	0
Paving	0	0	10.21	0
Architectural Coating	0	0	10.21	0
			Total	**115.49**

Sources:
[a] Appendix B.
[b] The Climate Registry 2021.
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

As shown in Tables 4.5-2 through 4.5-5, the proposed project is estimated to consume approximately 80,723 gallons of diesel fuel and approximately 8,622 gallons of gasoline during the construction phase. The proposed project would be required to comply with CARB's Airborne Toxics Control Measure, which restricts heavy-duty diesel vehicle idling time to 5 minutes. While construction activities would consume petroleum-based fuels, consumption of such resources would be temporary and would cease upon the completion of construction. Further, the petroleum consumed related to construction would be typical of construction projects of similar types and sizes and would not necessitate new petroleum resources beyond what are typically consumed in California. Therefore, because petroleum use during project construction would be temporary and minimal and would not be wasteful or inefficient, impacts would be **less than significant**.

Operational Use

The majority of fuel consumption resulting from the operational phase of the proposed project would be attributable to the use of resident motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by residents.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of VMT as a result of operation. As shown in Appendix B, the annual VMT attributable to the proposed project is expected to be approximately 1,423,230 VMT per year.

Similar to construction worker and vendor trips, fuel consumption was estimated by converting the total CO_2 emissions from each land use type to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Mobile source emissions were estimated using CalEEMod.

Calculations for annual mobile-source fuel consumption are provided in Table 4.5-6.

Table 4.5-6. Petroleum Consumption – Operation

Fuel	Vehicle CO2 (MT)[a]	kg CO_2/Gallon[b]	Gallons
Gasoline	212.68	8.78	24,223.68
Diesel	222.12	10.21	21,755.26
		Total	**45,978.94**

Sources:
[a] Appendix B.
[b] The Climate Registry 2021.
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

As shown in Table 4.5-6, mobile sources associated with the project would result in approximately 24,224 gallons of gasoline per year and 21,755 gallons of diesel consumed per year beginning in 2026. This is a conservative estimate since it does not account for usage of electric vehicles.

By comparison, California as a whole consumes approximately 28.7 billion gallons of petroleum per year (EIA 2018b). Within San Diego County, the estimated petroleum use in 2026 would be 1.5 billion gallons per year (CARB 2021).

Over the lifetime of the project, the fuel efficiency of the vehicles being used by residents is expected to increase. As such, the amount of petroleum consumed as a result of vehicular trips to and from the project site during operation would decrease over time. As discussed under Section 4.5.2, there are numerous regulations in place that require and encourage increased fuel efficiency. For example, CARB has adopted a new approach to passenger vehicles by combining the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. The new approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero-emissions vehicles in California (CARB 2017). Additionally, in response to SB 375, CARB has adopted the goal of reducing per-capita GHG emissions from 2005 levels by 15% by the year 2020 and 19% by the year 2035 for light-duty passenger vehicles in the San Diego Association of Governments planning area. This reduction would occur by reducing VMT through the integration of land use planning and transportation (CARB 2017). As such, petroleum use is anticipated to decrease over time due to advances in fuel economy.

The project site is located 0.1 miles from the nearest bus station, and the project includes construction of a pedestrian path to allow easy access to this bus station. This would further reduce VMT and petroleum consumption from operation, increase access to transit, and encourage alternative modes of transportation.

In summary, although the proposed project would increase petroleum use during operation, the use would be a small fraction of the statewide use and, due to efficiency increases, diminish over time. Given these considerations, petroleum consumption associated with the proposed project would not result in a potentially significant

environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, and impacts would be **less than significant**.

Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The proposed project would be subject to and would comply with, at a minimum, the California Building Energy Efficiency Standards (24 CCR Part 6). Part 6 of Title 24 establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. The proposed project would also be subject to Part 11 of Title 24, also known as the CALGreen building standards. These were adopted into the City's building design criteria. The proposed project would be built and operated in accordance with all existing, applicable regulations at the time of construction.

Because the proposed project would comply with Title 24, Part 6 and Part 11, no conflict with existing energy standards and regulations would occur. Therefore, impacts would be **less than significant**.

4.5.5 Cumulative Impacts

As shown in Section 4.5.4, impacts associated with the proposed project would be less than significant. Therefore, there would be no cumulatively considerable impact.

4.5.6 Mitigation Measures

The proposed project would not result in any significant impacts to energy use; therefore, no mitigation would be required.

4.5.7 Level of Significance after Mitigation

The proposed project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, either during project construction or operation. In addition, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, no mitigation would be required.

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4.6 Geology and Soils

This section describes the existing geological conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing conditions; applicable laws, regulations, and guidelines; and on the conclusions provided in the Geotechnical Investigation, prepared for the proposed project by Geocon Inc. on June 15, 2022. The Geotechnical Investigation included a field investigation, collection of soil samples (through borings and exploratory trenching), literature review, and laboratory testing to characterize the physical properties of the soils encountered. The Geotechnical Investigation is included as Appendix G to this environmental impact report (EIR).

4.6.1 Existing Conditions

City Overview

Landslides, rock falls, seismic-induced rupture or shaking, earth settlement, and expansive soil conditions are the main geologic hazards in the City of Poway (City) (City of Poway 1991). Most of the problems associated with the geologic hazards in the City are due to the vulnerability of several geologic formations found in the City resulting from previous poor land development practices (City of Poway 1991). The geology of Poway can be divided into geologic "zones" based upon the age and general composition of exposed rocks (City of Poway 1991). The Public Safety Element of the City General Plan identifies the project site as being underlain primarily by sedimentary rock, including alluvial materials (see "Soils and Geologic Conditions" below for further details regarding soils and geologic materials encountered on the project site).

Topography and Surface Hydrology

The portion of the project site north of Oak Knoll road is level to moderately sloping with elevations ranging from approximately 449 feet above mean seal level (amsl) to 495 feet amsl (Appendix G). The portion of the project site south of Oak Knoll Road is relatively flat with an elevation of approximately 446 feet amsl to 448 feet amsl (Appendix G). Poway Creek is located south of Oak Knoll Road along the southern boundary the project site, however, north of Oak Knoll Road, there is also a tributary to Poway Creek located along the northwest project site boundary (Appendix G).

Soils and Geologic Conditions

The geology underlying the project site consists of surficial soil (specifically, undocumented fill, alluvium, colluvium and terrace deposits) underlain by Eocene-age Friars Formation and Cretaceous-age granodiorite (i.e., granitic rock) (Appendix G). The surficial soils and geologic formation are discussed below in order of increasing age. The estimated extent of these materials across the project site is illustrated in Figure 2, Geologic Map of Appendix G of this EIR. The composition, extent, and approximate thickness of the soils and surficial deposits will need to be confirmed during a future geotechnical investigation for the proposed project, in accordance with City Municipal Code Title 16, Division III, Excavation and Grading (refer to Section 4.6.2, Relevant Plans, Policies, and Ordinances, for further details regarding applicable City Municipal Code requirements).

Undocumented Fill (Qudf)

Undocumented fill embankments cover the majority of the project site (Appendix G). These materials generally range from 1 to 2 feet thick, expect for along the western margin of the northern portion of project site (north of Oak Knoll Road) where undocumented fill may be up to 5 feet thick and along the southern boundary of the four proposed residential lots south of Oak Knoll Road and adjacent to Poway Creek, where the fill layer is approximately 6 feet thick (Appendix G). The existing undocumented fill is unsuitable for support of additional fill or structural loading and would require complete removal and compaction to support the proposed development (Appendix G).

Alluvium (Qal)

Alluvial deposits are present on the project site beneath the undocumented fill layer. Alluvium was encountered at Trench T-1 on the southern portion of the project site adjacent to Poway Creek and may also be present beneath the proposed roadway area in the northwest corner of the project site (Appendix G). Alluvium deposits consist of very loose, wet, sandy gravel with silt and clay and would require removal and compaction to support proposed development (Appendix G).

Colluvium (Qc)

Colluvial deposits are present on the project site overlying the granitic rock or terrace deposits. Deposits encountered during field investigations on the northern portion of the project site were up to 10 feet thick, consisting of dry to damp silty/clayey sand (Appendix G). The colluvium underlying the project site is considered compressible and would require removal and compaction to support proposed development (Appendix G).

Terrace Deposits (Qt)

Terrace deposits were encountered across the majority of the project site. These deposits overly granitic rock and Friars Formation and where encountered, were up to 12 feet thick (Appendix G). The terrace deposits generally consist of damp to moist, medium stiff to very stiff sandy clay and moist to wet, medium dense clayey gravel with cobble (Appendix G). In general, the terrace deposits are considered unsuitable for additional fill or structural loading and would require removal and compaction. However, it is possible that a portion of these deposits can be left in-place upon further testing (Appendix G).

Friars Formation (Tf)

The Eocene-age Friars Formation was encountered beneath the surficial soils overlying the granitic rock across the project site. This formation typically consists of dense sandstones, hard claystones, and siltstones (Appendix G). The Friars Formation is considered suitable for support of additional fill or structural loads (Appendix G).

Granodiorite (Kgd)

Cretaceous-age Granodiorite (granitic rock) underlies the sedimentary deposits and is exposed in the north and northeast portion of project site (north of Oak Knoll Road). The granitic rock exhibits a variable weathering pattern ranging from highly weathered, decomposed rock to outcrops of slightly weathered, extremely strong rock that would require blasting to excavate (Appendix G). The granitic rock generally exhibits adequate bearing and slope stability characteristics (Appendix G). The soils within the decomposed granitic rock are anticipated to consist of low-expansive, silty, medium- to coarse-grained sands and should provide suitable foundation support in either a

natural or properly compacted condition (Appendix G). Excavations within the granitic rock may generate boulders and oversize materials that would require special handling and placement (Appendix G).

Groundwater

The project site is located within the Poway Valley groundwater basin (DWR 2023). During project site investigations conducted for the Geotechnical Investigation, groundwater was encountered in exploratory trenches adjacent to Poway Creek and other areas of the project site at depths ranging between 6 feet and 11 feet below the ground surface (Appendix G). The groundwater encountered on the project site is "perched"[1] above where the alluvium, colluvium, and/or terrace deposit contact with the underlying Friars Formation or granitic rock (Appendix G). Seepage occurred in several exploratory trenches at depths ranging from 8 feet to 11 feet below the ground surface (Appendix G). As project site investigations occurred during a regional drought (i.e., May 2022), the seepage encountered in the trenches was likely associated with previous rain and irrigation (Appendix G).

Groundwater levels in drainage areas on the project site can be expected to fluctuate seasonally and may affect proposed grading activities (Appendix G). In this regard, grading may encounter wet to saturated soils conditions causing excavation and compaction difficulty, particularly if construction is planned during the rainy season. Remedial grading of surficial deposits near the tributary or Poway Creek, if any, would encounter shallow groundwater and wet to saturated soils requiring specialized excavation equipment, possible dewatering and drying of the material to facilitate proper compaction (Appendix G).

Geologic Hazards

Faulting and Seismicity

According to the City General Plan Public Safety Element, the faults in the City are classified as inactive by the California Department of Conservation; however, the potential exists for a major seismic event to occur along one of the major faults and result in local damage (City of Poway 1991). According to the California Geological Survey California Earthquake Hazards Zone Application, the Geotechnical Investigation, and the California Commercial Disclosure Report prepared for the project, there are no Quaternary faults crossing or trending toward the project site, and the project site is not within an Alquist-Priolo Earthquake Fault Zone (Appendix G; DOC 2023;). The nearest known active faults are the Newport-Inglewood/Rose Canyon Fault Zone, located approximately 15 miles west of the project site (Appendix G).

The Southern California region, including the City, is seismically active (Appendix G). Ground shaking is expected to have the greatest amount of seismic impact on the City; however, the effect of ground shaking depends on its severity and the integrity of the structure (City of Poway 1991). Considerations important in seismic design include the frequency and duration of motion and the soil conditions underlying the site (Appendix G). According to the Geological Investigation prepared for the proposed project, risk associated with ground rupture hazard is considered low, and risk associated with strong ground shaking due to earthquakes at the site is no greater than that for the region (Appendix G).

[1] Perched groundwater is groundwater that is separated from an underlying body of groundwater by an "unsaturated zone" (Appendix G). On the project site, this unsaturated zone is the Friars Formation and granite rock.

Liquefaction

Liquefaction typically occurs when a site is located in a zone with seismic activity, on-site soils are cohesionless, groundwater is encountered within 50 feet of the surface, and soil densities are less than about 70% of the relative density (Appendix G). If all four criteria are met, a seismic event could result in a rapid increase in pore water pressure from the earthquake-generated ground accelerations (Appendix G).

According to the Public Safety Element of the City General Plan, the potential for widespread liquefaction in the City does not exist due to the structure and particle size mix of the soil types found in the low-lying areas of the City (i.e., sandy loams with clay substrata), which gives the soils a massive structure (City of Poway 1991). As illustrated in Figure 4.6-1, Potential Landslide and Liquefaction Areas, the project site is within a County of San Diego (County) identified area with the potential for liquefaction. However, according to the Geotechnical Investigation, the potential for liquefaction at the project site is considered to be negligible due to the dense formational material encountered on the site and recommended remedial grading (Appendix G).

Landslides

Landslides occur when masses of rock, earth, or debris move down a slope, including rock falls, deep failure of slopes, and shallow debris flows (County of San Diego 2007). Landslides are influenced by human activities (e.g., grading, irrigation of slopes) and by natural factors such as precipitation, geology/soil types, surface/subsurface flow of water, and topography (County of San Diego 2007). Frequently, landslides may be triggered by other hazards such as floods and earthquakes (County of San Diego 2007). According to the Public Safety Element of the City General Plan, the City has many areas that are highly susceptible to landslides (City of Poway 1991). As illustrated in Figure 4.6-1, the project site is not located in a County-designated landslide prone area. Furthermore, according to the Geotechnical Investigation, no evidence of landslide deposits was observed during site reconnaissance, and review of applicable literature did not discover any mapped landslides within the immediate areas influencing the project site (Appendix G). For these reasons, the risk associated with landslide hazard on the project site is considered low (Appendix G).

Expansive Soils

Expansive soils are clay soils that expand in volume with an increase in moisture content. Damage is caused when structures are built on this soil without adequate foundation design (City of Poway 1991). According to the California Building Code (CBC), Section 1803.5.3, soils meeting all four of the following provisions shall be considered expansive, except that tests to show compliance with Items 1, 2, and 3 shall not be required if the test prescribed in Item 4 is conducted:

- Plasticity index of 15 or greater, determined in accordance with ASTM D4318 (Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils)
- More than 10% of the soil particles pass a No. 200 sieve (75 micrometers), determined in accordance with ASTM D422 (Standard Test Method for Particle-Size Analysis of Soils)
- More than 10% of the soil particles are less than 5 micrometers in size, determined in accordance with ASTM D422
- Expansion index greater than 20, determined in accordance with ASTM D4829 (Standard Test Method for Expansion Index of Soils)

The soils encountered during site reconnaissance are considered to be both "non-expansive" (expansion index [EI] less than 20) and "expansive" (EI of 20 or more) as defined by CBC Section 1803.5.3. However, according to the Geotechnical Investigation, overall, the soil materials observed on the project site are anticipated to have a "very low" to "low" expansion potential (i.e., an expansion index of 50 or less) (Appendix G).

4.6.2 Relevant Plans, Policies, and Ordinances

Federal

Occupational Safety and Health Administration Regulations

Excavation and trenching are among the most hazardous construction operations. The Occupational Safety and Health Administration (OSHA) Excavation and Trenching Standard (29 Code of Federal Regulations 1926.650) covers requirements for excavation and trenching operations. OSHA requires that all excavations in which employees could potentially be exposed to cave-ins be protected by sloping or benching the sides of the excavation, supporting the sides of the excavation, or placing a shield between the side of the excavation and the work area. In California, the California OSHA has responsibility for implementing federal rules relevant to worker safety, including slope protection during construction excavations. California OSHA's requirements are more restrictive and protective than federal OSHA standards.

U.S. Geological Survey Landslide Hazard Program

In fulfillment of the requirements of Public Law 106-113, the U.S. Geological Survey created the Landslide Hazard Program in the mid-1970s. According to the U.S. Geological Survey, the primary objective of the National Landslide Hazards Program is to reduce long-term losses from landslide hazards by improving understanding of the causes of ground failure and suggesting mitigation strategies. The federal government takes the lead role in funding and conducting this research, whereas the reduction of losses due to geologic hazards is primarily a state and local responsibility. The project site is not included on U.S. Geological Survey maps illustrating historic landslides or earthquake-triggered ground failure occurrences (USGS 2023a, 2023b). As discussed above in Section 4.6.1, Existing Conditions, and illustrated in Figure 4.6-1, the project site is not located in a landslide hazard area identified by the County.

Paleontological Resources Preservation Act of 2009

The Paleontological Resources Protection Act (PRPA) of 2009 directs the Secretaries of the Interior and Agriculture to manage and protect paleontological resources on federal land using "scientific principles and expertise." The PRPA incorporates most of the recommendations of the Secretary of the Interior's report titled Assessment of Fossil Management on Federal and Indian Lands (DOI 2000) in order to formulate a consistent paleontological resources management framework. In passing the PRPA, congress officially recognized the scientific importance of paleontological resources on some federal lands by declaring that fossils from these lands are federal property that must be preserved and protected. The PRPA codifies existing policies of the U.S. Bureau of Land Management, National Park Service, U.S. Forest Service, Bureau of Reclamation, and the U.S. Fish and Wildlife Service, and provides the following:

1. Criminal and civil penalties for illegal sale and transport and theft and vandalism of fossils from federal lands
2. Minimum requirements for paleontological resource-use permit issuance (terms, conditions, and qualifications of applicants)

3. Definitions for “paleontological resources” and “casual collecting”
4. Requirements for curation of federal fossils in approved repositories

The PRPA requires the Secretaries of the Interior and Agriculture to manage and protect paleontological resources on federal land. The PRPA furthers the protection of fossils on federal lands by criminalizing the unauthorized removal of fossils

The Federal Land Policy Management Act of 1976 (P.L. 94-579; 90 Statute 2743, USC 1701–1782)

The Federal Land Policy Management Act requires that public lands be managed such that the quality of their scientific values is protected. The act recognizes significant paleontological resources as scientific resources and requires federal agencies to manage public lands in a manner that protects scientific resource quality.

State

Alquist–Priolo Earthquake Fault Zoning Act

The Alquist–Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. In accordance with this act, the State Geologist established regulatory zones, called “earthquake fault zones,” around the surface traces of active faults, and published maps showing these zones. Earthquake fault zones are designated by the California Geological Survey (CGS) and are delineated along traces of faults where mapping demonstrates surface fault rupture has occurred within the past 11,000 years. Construction within these zones cannot be permitted until a geologic exploration has been conducted to prove that a building planned for human occupancy would not be constructed across an active fault. These types of site evaluations address the precise location and recency of rupture along traces of the faults, and are typically based on observations made in trenches excavated across fault traces. As discussed above in Section 4.6.1, the project site is not within a Alquist–Priolo Earthquake Fault Zone (Appendix G; DOC 2023;).

Seismic Hazards Mapping Act

The Seismic Hazards Mapping Act of 1990 (California Public Resources Code, Chapter 7.8, Section 2690 et seq.) directs the California Geological Survey to protect the public from earthquake-induced liquefaction and landslide hazards (these hazards are distinct from fault surface rupture hazard regulated by the Alquist–Priolo Act). This act requires the State Geologist (i.e., California Geological Survey) to delineate various seismic hazard zones and requires cities, counties, and other local permitting agencies to regulate certain development projects within these zones (i.e., zones of required investigation). Seismic Hazard Zone Maps have been prepared for portions of populated areas of Southern California and the San Francisco Bay Area; however, no seismic hazard zones have yet been delineated for the project site. As a result, the provisions of the Seismic Hazards Mapping Act would not apply to the proposed project.

California Building Code

The CBC (24 California Code of Regulations Part 2) is administered by the California Building Standards Commission, which is responsible for coordinating all building standards. Under state law, all building standards must be centralized in Title 24 or they are not enforceable. The purpose of the CBC is to establish minimum standards to safeguard the public health, safety, and general welfare through structural strength, means of egress facilities, and general stability by regulating and controlling the design, construction, quality of materials, use and occupancy, location, and maintenance of all building and structures within its jurisdiction. The CBC is based on the

International Building Code, published by the International Code Conference. The CBC contains California amendments based on the American Society of Civil Engineers Minimum Design Standards 7-05, which provides requirements for general structural design and includes means for determining earthquake loads and other loads (such as wind loads) for inclusion into building codes. The provisions of the CBC apply to the construction, alteration, movement, replacement, and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures throughout California.

Paleontological Resources

Paleontological resources are afforded consideration under the California Environmental Quality Act (CEQA). Appendix G of the CEQA Guidelines (14 California Code of Regulations 15000 et seq.) includes the following as part of its Environmental Checklist: "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?" Section 5097.5 of the California Public Resources Code specifies that any unauthorized removal of paleontological remains is a misdemeanor. Further, California Penal Code Section 622.5 sets the penalties for damage to or removal of paleontological resources.

Local

San Diego County Special Studies Zones

The Alquist–Priolo Earthquake Fault Zoning Act provides that a city or county may establish more restrictive policies than those within the Alquist–Priolo Earthquake Fault Zoning Act, if desired. County established Special Study Zones that include late-Quaternary faults mapped by CGS. Late-Quaternary faults (movement during the past 700,000 years) were mapped for the County based on geomorphic evidence similar to that of Holocene faults except that tectonic features are less distinct. As indicated by CGS, these faults may be younger, but the lack of younger overlying deposits precludes more accurate age classification. Traces of faults within "Special Study Zones" are treated by the County as active unless a fault investigation can prove otherwise. Before any construction is allowed, a geologic study must be conducted to determine if any active fault lines are located on or within the vicinity of a project site. For areas where active faulting is identified, the County's Fault Displacement Area regulations regulate new development in areas subject to potential loss of life and property from earthquake fault displacement in order to mitigate such losses (County of San Diego 2007). The proposed project would not be located in a County Special Study Fault Zone or a fault rupture hazard zone as identified by the Alquist–Priolo Earthquake Fault Zoning Act (DOC 2023; County of San Diego 2007).

The San Diego County General Plan 2011 (County of San Diego, 2009)

County of San Diego Code of Regulatory Ordinances Sections 87.101–87.804, Grading, Clearing, and Watercourses Ordinance Section 87.430 of the County's Grading and Clearing Ordinance provides for the requirement of a paleontological monitor at the discretion of the County. In addition, the suspension of grading operation is required upon the discovery of fossils greater than 12 inches in any dimension. The ordinance also requires notification of the County Official (e.g., Permit Compliance Coordinator). The ordinance gives the County Official the authority to determine the appropriate resource recovery operations, which shall be carried out prior to the County Official's authorization to resume normal grading operations.

General Plan Update Policies Policy COS-9.1: Preservation. Require the salvage and preservation of unique paleontological resources when exposed to the elements during excavation or grading activities or other development processes. Mitigation Measures Cul-3.1 Implement the Grading Ordinance and CEQA to avoid or minimize impacts to

paleontological resources, require a paleontological resources monitor during grading when appropriate, and apply appropriate mitigation when impacts are significant. Cul-3.2 Implement, and update as necessary, the County's Guidelines for Determining Significance for Paleontological Resources to identify and minimize adverse impacts to paleontological resources.

City of Poway Municipal Code

Title 16, Subdivisions and Other Land Use Regulations, Division III – Excavation and Grading

Title 16, Division III, Excavation and Grading (i.e., the City's "Grading Ordinance") establishes the requirement to obtain a grading permit prior to grading operations. The Grading Ordinance requires the submittal of grading plans or improvement plans for review by the City Engineer prior to issuance of a grading permit. The Grading Ordinance contains design standards and performance requirements that must be met to avoid—or reduce to an acceptable level—the potential for slope instabilities, expansive soils, excessive erosion, and sedimentation to adversely affect a proposed development. The ordinance prohibits grading permits upon a significant portion of natural or existing grade that exceeds a slope of 45% unless such grading is required to mitigate a geologic hazard to adjacent grade, or is required for the construction of necessary water or sewer mains, storm drains, or fire roads, all as approved and determined necessary by the City Engineer.

The Grading Ordinance also establishes the requirements for expansive soil requirements for cuts and fills; minimum setback requirements for buildings from cut or fill slopes; and reporting requirements, including a soil engineer's report and a final engineering geology report by an engineering geologist that includes specific approval of the grading as affected by geological factors. Upon review of grading plans, the City Official has the authority to approve, attach conditions of approval, or deny the permit application.

Chapter 15.04 – Building Code

Chapter 15.04 of the City Municipal Code outlines the City Building Code, which prescribes regulations for the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, and maintenance of buildings and structures in the City (City of Poway 2022). The City Building Code adopts the most current version of the CBC.

4.6.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to geology and soils are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to geology and soils would occur if the project would:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:
   (i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area based on other substantial evidence of as known fault. Refer to Division of Mines and Geology Special Publication 42.
   (ii) Strong seismic ground shaking.
   (iii) Seismic-related ground failure, including liquefaction.
   (iv) Landslides.

b) Result in substantial soil erosion or the loss of topsoil.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

4.6.4 Impacts Analysis

Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area based on other substantial evidence of as known fault?

As stated under Section 4.6.1, there are no Quaternary faults crossing or trending toward the project site, and the project site is not within an Alquist-Priolo Earthquake Fault Zone (Appendix G; DOC 2023;). The nearest known active faults are the Newport-Inglewood/Rose Canyon Fault Zone, located approximately 15 miles west of the project site (Appendix G). Given the distance of the nearest fault, and according to the analysis provided in the Geological Investigation, risk associated with ground rupture hazard is considered low. Furthermore, all proposed residences and structures on site would be designed and constructed in accordance with CBC guidelines currently adopted by the City. Therefore, the proposed project would not expose people or structures to potential substantial adverse effects associated with the rupture of a known earthquake faults, and impacts related to would be **less than significant**.

Strong seismic ground shaking?

As stated above in Section 4.6.1, the project site in a seismically active region. However, the nearest known active faults are the Newport-Inglewood/Rose Canyon Fault Zone, located approximately 15 miles west of the project site (Appendix G). Section 7.6, Seismic Design Criteria, of the Geotechnical Investigation summarizes the site-specific design criteria for the project, in accordance with the CBC guidelines. The project site is identified as Site Class C, which is applied to sites where the ground is relatively stiff (e.g., very dense soil and soft rock). Seismic design of all proposed residences and structures would be performed in accordance with the criteria and considerations identified in Section 7.6 of the Geotechnical Investigation, including the code-based parameters presented in Table 7.6.1, which are subject to final review and approval by the City Engineer (Poway Municipal Code Section 16.48.030, Soils and/or engineering geology investigation report required).

The project site is likely to be subjected to strong ground motion from seismic activity similar to that of the rest of the City and Southern California, due to the seismic activity of the region as a whole. However, compliance with the CBC and seismic design criteria recommendations would reduce exposure of people or structures to potential substantial adverse effects from seismic ground shaking. Therefore, impacts would be **less than significant.**

Seismic-related ground failure, including liquefaction?

Liquefaction typically occurs when a site is located in a zone with seismic activity, the on-site soils are cohesionless, groundwater is encountered within 50 feet of the surface, and soil relative densities are less than about 70%. If all four of the previous criteria are met, a seismic event could result in a rapid pore-water pressure increase from the earthquake-generated ground accelerations. Seismically induced settlement may occur whether the potential for liquefaction exists or not. The surficial soils and geologic formations underlying the project site include undocumented fill, alluvium, colluvium, Frias Formation (e.g., sandstone, hard claystones, siltstones) and cretaceous granite rock. As discussed above in Section 4.6.1, groundwater and seepage was observed on the project site during the field reconnaissance at depths ranging from 8 feet to 11 feet below the ground surface (Appendix G).

It is anticipated that groundwater/perched water conditions would be encountered during excavation performed at or near Poway Creek and the other areas throughout the project site (Appendix G). Wet to saturated soil and perched water may also be encountered in the surficial deposits located near the natural drainages, especially, if grading is performed during the rainy season. Remedial grading of surficial deposits in these areas would likely result in possible excavation and fill placement difficulties. Dewatering and/or use of specialized equipment may be required to excavate alluvium, colluvium, and terrace deposits on the project site.

In accordance with City Municipal Code Section 16.44.110, the grading plan for the project is required to incorporate the applicable recommendations from the Geotechnical Investigation. This includes professional inspection and approval of the need for subdrains or other groundwater drainage devices as well as remedial grading, soils recompaction, and/or other special techniques and systems to facilitate a safe and stable development (City Municipal Code Sections 16.48.030 and 16.44.110[B][3]). Furthermore, the findings and recommendations of the Geotechnical Investigation and all subsequent reports (completed pursuant to Geotechnical Investigation recommendations or as deemed necessary by the City Engineer), are subject to final review and approval by the City (City Municipal Code Section 16.52.130). According to City Municipal Code Section 16.48.030(D), recommendations contained in the final, approved soils/geological engineering report(s) would be incorporated into the grading plans and specifications and would be become conditions of approval for the final grading permit.

In accordance with preliminary recommendations set forth in the Geotechnical Investigation, overly wet materials encountered at the project site would be spread out and dried and/or mixed with drier materials to reduce the moisture content so that compaction can be achieved (Appendix G) Furthermore, all fill, including backfill and scarified ground surfaces, would be compacted to at least 90% of laboratory maximum dry density at or above optimum moisture content, as determined in accordance with standard test methods for compaction (i.e., ASTM D1557) (Appendix G).

As concluded in the Geotechnical Investigation, the potential for liquefaction at the site is considered to be negligible due to the dense formational material encountered and lack of a shallow groundwater condition (Appendix G). Furthermore, the project would adhere to the recommendations set forth in the Geotechnical Investigation (e.g., remedial grading, dewatering, recompaction) subject to final review and approval by the City Engineer, which would further reduce the potential for liquefaction to occur. As such, impacts associated with seismic-related ground failure, including liquefaction, would **less than significant.**

Landslides?

The risk associated with ground rupture hazards, such as landslides, is low due to the absence of active faults within the project site. As discussed in Section 4.6.1, no evidence of landslide deposits was observed during the site reconnaissance or geologic literature review completed for the proposed project (Appendix G). As illustrated in Figure 4.6-1, the project site is not located in a County-designated landslide hazard area. Additionally, the proposed project would be designed in accordance with applicable CBC requirements and recommendations set forth in the Geotechnical Investigation (including Appendix G Section 7.5, Grading, Section 7.6, Seismic Design Criteria, and Appendix D, Recommended Grading Specification), subject to final review and approval by the City Engineer, which would minimize potential risks associated with landslides. Therefore, impacts associated with landslides would be **less than significant**.

Would the project result in substantial soil erosion or the loss of topsoil?

The demolition and construction phases of the proposed project would require grading, excavation, and the import and export of soil from the project site, and therefore would increase the potential for erosion. Soil erosion and loss of topsoil could occur through runoff, wind transport, and vehicle movement. Grading for the site is balanced at 19,250 cubic yards of cut and fill to avoid export or import of dirt. In accordance with the proposed Specific Plan, cut and fill slopes are designed at 2:1 minimum. The site is underlain by surficial units that include undocumented fill, alluvium, colluvium, terrace deposits, Friars Formation, and cretaceous-age granite rock. The geologic formations underlying the City vary from highly susceptible to very resistant to erosion. However, the geologic formations are well beneath the ground surface of the project site (City of Poway 1991). The undocumented fill, alluvium, colluvium, and terrace deposits are presently unsuitable to support fill and/or structural loads and would require remedial grading where improvements are planned. In accordance with recommendations set forth in the Geotechnical Investigation, during construction, the Contractor would properly grade all excavated surfaces to provide positive drainage and prevent ponding of water (Appendix G). Drainage of surface water would be controlled to avoid damage to adjoining properties or to finished work on the site (Appendix G). The Contractor would also take remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features have been installed (Appendix G). Areas subjected to erosion or sedimentation would be properly prepared in accordance with required specifications prior to placing additional fill or structures (Appendix G).

All project site slopes would be landscaped with drought-tolerant vegetation having variable root depths and requiring minimal landscape irrigation, and all slopes would be drained and properly maintained to reduce erosion (Appendix G). Additionally, the proposed project would not be approved or built without adequately demonstrating to the City compliance with the CBC and applicable geologic hazards regulations. According to the Geotechnical Investigation, slopes that are steeper than 3:1 may, under conditions that are both difficult to prevent and predict, be susceptible to near-surface slope instability and erosion (Appendix G). However, as discussed above and in accordance with the proposed Specific Plan, cut and fill slopes on the project site would not be greater than 2:1. Therefore, with implementation of applicable Geotechnical Investigations recommendations and required compliance with CBC standards, the proposed project would not result in substantial soil erosion and impacts would be **less than significant**.

Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

As determined in the Public Safety Element of the City's General Plan, the project site is not located in an area subject to lateral spreading, subsidence, liquefaction, or collapse (City of Poway 1991). Furthermore, as discussed in the Geotechnical Investigation, the potential for liquefaction to occur on the project site is negligible, and the potential

for landslides to occur is low. As previously stated, the project site is underlain by surficial units that include undocumented fill, alluvium, colluvium and terrace deposits. According to the Geotechnical Investigation: "No soil or geologic conditions were encountered during this study that would preclude development of the property as presently proposed provided the recommendations of this report are followed" (Appendix G). The site is previously developed and disturbed, and there are no known cases of landslide, lateral spreading, subsidence, liquefaction, or collapse occurring on site.

As previously discussed, the proposed project includes the implementation of the recommendations included in the Geotechnical investigation, which would further minimize any potential for on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse. This includes recommendations contained in future reports/investigations required to implement the final, approved grading plan. For example, in accordance with the rippability and rock analysis recommendations set forth in the Geotechnical Investigation, if excavation of granitic rock is required (which may generate or require removal/relocation of boulders and other oversize materials) an earthwork analysis would be performed to determine if there is an adequate volume of fill area available to accommodate the anticipated volume of blasted/oversize materials (Appendix G). The study would consider the proposed grading, rippability information contained in the Geotechnical Investigation, rock placement requirements, and include proposed undercutting for building pads and streets. Additionally, the proposed project would not be approved or built without adequately demonstrating compliance with the CBC and applicable geologic hazards regulations. Therefore, impacts associated with placement on a geologic unit or soil that is unstable, or that would become unstable as a result of the proposed project, would be **less than significant**.

Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Expansive soils contain minerals, such as clay, that are capable of absorbing water and expanding, and losing water and shrinking. The repetitive stress of a swell/shrink cycle on a foundation can cause severe damage to buildings and structures. As discussed in Section 4.6.1, the soils encountered in the field investigation are considered to be both "non-expansive" (EI less than 20) and "expansive" (EI of 20 or more) as defined by CBC Section 1803.5.3. However, overall, the soil materials observed on site are anticipated to have a "very low" to "low" expansion potential (EI of 50 or less). The proposed project would be constructed in conformance with applicable CBC provisions and recommendations set forth in the Geotechnical Investigation, which would minimize impacts associated with expansive soils. For example, grading would be conducted so that high expansive soils (EI greater than 90) are placed in the deeper fill areas at least 3 feet below proposed finish grade elevations and at least 15 feet from the face of fill slopes (Appendix G). Where practical, the upper 3 feet of graded areas (cut or fill) would consist of properly compacted very low to low (EI less than 50) expansive granular soils (Appendix G). Medium expansive soils (EI less than 90) may also be used to achieve design grades (Appendix G). At a minimum, the building pads would be provided with medium expansive soil (EI less than 90) (Appendix G). As discussed in further detail in Draft EIR Section 4.9, Hydrology and Water Quality, the project's proposed drainage plan would avoid the use of infiltration best management practices to prevent adverse shrinking/swelling of potentially expansive soils and would continue to discharge project site flows directly into Poway Creek (as under existing conditions). Furthermore, and as discussed above, all project site fill would be compacted to at least 90% of laboratory maximum dry density at or above optimum moisture content, as determined in accordance with standard test methods for compaction (i.e., ASTM D1557) (Appendix G). Therefore, impacts associated with expansive soils would be **less than significant**.

Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

The proposed project would not involve the use of septic tanks or alternative wastewater disposal; therefore, **no impact** related to soils incapable of supporting these uses would occur.

Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Most paleontological resources are not exposed at the surface, and fossils are usually found during earthmoving activities when geologic features are exposed. The likelihood of encountering subsurface paleontological resources is greatest on sites that have been minimally excavated in the past. As discussed in Chapter 3, Project Description, of this EIR, the project site largely consists of disturbed and previously developed areas. However, due to the depth of excavation required for the project's grading activities, there is potential to encounter previously undiscovered paleontological resources. The exact depths of such resources are unknown, however according to the Geotechnical report the Pleistocene terrace deposits were encountered from 1 to 14 feet below the ground surface (bgs) and the middle Eocene Friars Formation was encountered between 5 and 14 feet bgs. Both of these formations have high paleontological sensitivity. The locality records search with the San Diego Natural History Museum (SDNHM) resulted in no previous localities within the project area and no localities from similar nearby sediments. In the event that unexpected intact paleontological resources are unearthed during ground-disturbing activities, impacts would be **potentially significant** (**Impact GEO-1**).

The proposed project's impacts to geological resources are listed as follows:

Impact GEO-1 If unexpected intact paleontological resources are unearthed during ground-disturbing activities, then the proposed project could result in significant impacts to unique paleontological resources or sites, or unique geologic features.

4.6.5 Cumulative Impacts

All of Southern California lies within a seismically active region with an extremely diverse range of geologic and soil conditions that can vary substantially within short distances. However, impacts from geologic and soil conditions are also site-specific and would only have potential to combine with impacts of the proposed project if they occurred in the same general location, or on similar soils and topographies. Thus, the geographic extent of the cumulative study area for potential impacts to people and structures related to geologic and seismic hazards is restricted to the project site and the area immediately surrounding the site (see Table 3-2, Cumulative Projects).

Fault Rupture

It is unlikely that past, existing, and/or future projects could contribute to the cumulative effects of geology and soils creating the acceleration of erosion, slope failures, fault or ground rupture, and/or earthquake-induced ground failure. These types of conditions would be limited to the areas within and adjacent to the boundaries of individual projects or structural components of the project. In order for impacts to be cumulatively considerable, these conditions would have to occur at the same time and in the same location as the proposed project. Therefore, potential seismic impacts (ground shaking, earthquake-induced ground failure, and fault rupture) as a result of local and regional faults, as well as soils that underlie individual projects, comprise an impact to the geologic environment that would not be cumulatively considerable. Additionally, each individual project would be designed in accordance with seismic design criteria as required by the CBC and with other specific design criteria from state

and local building and grading regulations, and may be subject to CEQA, including analysis of and mitigation for geologic and soil impacts on an individual basis. Therefore, the proposed project **would not contribute, even incrementally, to potentially cumulative impacts** related to fault rupture.

Ground Shaking, Liquefaction, Landslides, Expansive Soils, and Adequate Soils for Septic Systems or Other On-Site Wastewater Systems

Potential geologic and soils impacts associated with the proposed project are restricted to potential facility damage from earthquake-related ground shaking, liquefaction, landslides, expansive soils, and general soil suitability. The City reviews applications for building permits for compliance with the CBC, local amendments to the CBC, and applicable City Municipal Code requirements. Grading plans would also be reviewed for compliance with state and local standards.

The proposed project would be designed in accordance with the seismic design requirements of the CBC, which contains universal standards for seismically sound site preparation and grading practices, foundations design, and guidelines for the appropriate selection and use of construction materials. In accordance with the CBC, a more comprehensive geology and soils report would be conducted that further evaluates the soils underlying the project site to gauge the potential for liquefaction and soil strength during the maximum considered earthquake geometric mean peak ground acceleration. Once the evaluation is complete, if needed, the design requirements or the construction materials of the proposed project would be revised as recommended. Therefore, since no other projects identified on the list of cumulative projects would occur on the project site, impacts associated with liquefaction **would not be cumulatively considerable.**

The proposed project does not include any septic or on-site wastewater systems. As such, the proposed project would **not contribute to a cumulative impact** related to adequate soils for septic tanks or on-site wastewater systems. In all cases, the impacts were determined to be less than significant because the existing regulatory framework controlling the design and construction of structures in California, and actions required to obtain a grading and/or development permits at the local level, are sufficient to avoid or substantially reduce the potential impacts. All other projects listed in Table 3-2, Cumulative Projects, would be required to comply with the same or similar set of laws, regulations, and ordinances.

Therefore, because all cumulative projects would be designed in accordance with seismic design criteria as required by the CBC and with other specific design criteria from state and local building and grading regulations, impacts would be **less than cumulatively considerable** as related to ground shaking, liquefaction, landslides, expansive soils, and adequate soils for septic systems.

Paleontological Resources

Cumulative projects located in the region would have the potential to result in a cumulative impact associated with paleontological resources from extensive grading, excavation, or other ground-disturbing activities. Cumulative projects that require significant excavation would result in adverse impacts to paleontological resources. Additionally, if a cumulative project that requires excavation or grading is located in an area of high or moderate sensitivity, this would result in an increased potential for an adverse impact to a paleontological resources to occur. Cumulative projects would be regulated by state and local regulations, and may be subject to CEQA. However, the loss of paleontological resources on a regional level may not be adequately mitigated through methods specified in these regulations. Therefore, the cumulative destruction of significant paleontological resources from planned

construction and development within the region would be cumulatively significant. Additionally, past projects involving development and construction have already impacted paleontological resources within the region.

As discussed in Section 4.6.4, Impacts Analysis, ground-disturbing activities associated with the proposed project could have a significant impact on previously undiscovered paleontological resources. Without appropriate mitigation, the proposed project in combination with cumulative projects occurring in areas containing geologic formations with high and moderate sensitivity for previously undiscovered paleontological resources, would have the potential to result in cumulative impacts to paleontological resources; however, implementation of standard mitigation measures and adherence to applicable state and local regulations would prevent a cumulative loss of paleontological resources. Therefore, impacts would be **less than cumulatively considerable**.

4.6.6 Mitigation Measures

MM-GEO-1 Prior to commencement of any grading activity in areas of moderate to high paleontological sensitivity, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The qualified paleontologist shall attend the preconstruction meeting and a paleontological monitor shall be on-site during rough grading and other significant ground-disturbing activities in areas of previously undisturbed, moderate and/or high paleontological resources sensitivity.

In the event that paleontological resources (e.g., fossils) are unearthed during grading, trenching, or large-diameter (two-feet or greater) augering, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Any significant paleontological resources recovered from the Project site during construction of the Project shall be stabilized, prepared, cataloged, and identified to the lowest taxonomic level prior to curation at an accredited fossil repository with retrievable storage, such as the San Diego Natural History Museum.

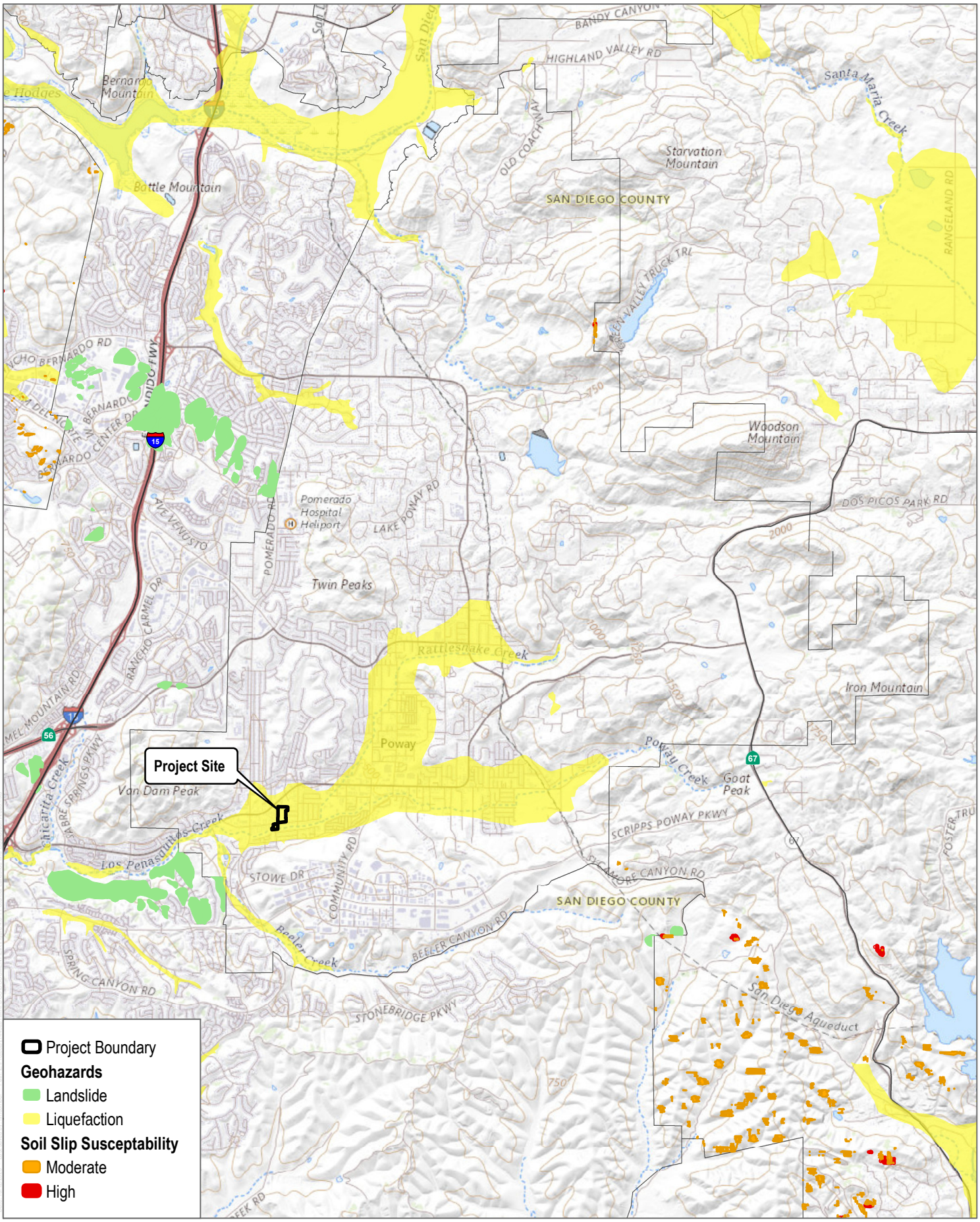
1. A qualified paleontologist or a paleontological monitor under the direction and supervision of a qualified paleontologist, shall be on site during original cutting of the Pleistocene terrace deposits and the middle Eocene Friars Formation. A paleontological monitor is defined as an individual who has at least one year of experience in field identification and collection of fossil materials, and who is working under the direction of a qualified paleontologist. Monitoring of the noted geologic unit shall be conducted at least half-time at the beginning of excavation and may be either increased or decreased thereafter depending upon initial results (per direction of a qualified paleontologist).
    a) Qualified Paleontologist: The project paleontologist is a person who has a Ph.D. or M.S. or equivalent in paleontology or closely related field (e.g., sedimentary or stratigraphic geology, evolutionary biology); has a demonstrated knowledge of Southern California paleontology and geology; and has documented experience performing professional paleontological procedures and techniques.
    b) Qualified Paleontological Monitor: A paleontological monitor is defined as an individual with at least one year of experience in field identification and collecting of fossil materials.

2. Monitoring of the noted geologic units (Pleistocene terrace deposits and Eocene Friars Formation) shall be conducted full-time at the beginning of the excavation and may be decreased thereafter by the qualified paleontologist depending upon initial results of monitoring.
3. In the event that well-preserved fossils are discovered, a qualified paleontologist shall have the authority to temporarily halt or redirect construction activities in the discovery area to allow recovery in a timely manner (typically on the order of one hour to two days). All collected fossil remains shall be cleaned, sorted, cataloged and deposited in an appropriate scientific institution (such as the San Diego Natural History Museum) at the applicant's expense.
4. A report (with a map showing fossil site locations) summarizing the results, analyses, and conclusions of the above-described monitoring/recovery program shall be submitted to the City of Poway within three months of terminating monitoring activities.

4.6.7 Level of Significance after Mitigation

Implementation of **MM-GEO-1** would reduce **Impact GEO-1** to a **less-than-significant** level by requiring a qualified paleontologist be retained prior to construction commencing. If the qualified paleontologist determines that proposed grading/excavation activities would likely affect previously undisturbed areas of the Pleistocene terrace deposits and the middle Eocene Friars Formation, then monitoring shall be conducted as outlined in **MM-GEO-1**.

The proposed project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, strong seismic ground shaking, seismic related ground failure (including liquefication) or landslides. The proposed project would result in substantial soil erosion or the loss of topsoil, would not be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and would not involve the use of septic tanks or alternative wastewater disposal. Site design measures would be used to minimize geology and soil impacts. Furthermore, the project would not creating substantial direct or indirect risks to life or property due to the presence of expansive soils. Through site design measures discussed in this analysis and outlined in Appendix G, as well as compliance with CBC regulations, impacts associated with geology and soils would be **less than significant**.



SOURCE: USGS Topo Maps; SAN GIS 2023

DUDEK

0 3,550 7,100 Feet

FIGURE 4.6-1

Potential Landslide and Liquefaction Areas

Harmon Ranch Specific Plan Project EIR

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4.7 Greenhouse Gas Emissions

This section describes the existing greenhouse gas (GHG) conditions of Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing conditions; technical data; applicable laws, regulations, and guidelines; and the air quality and GHG technical report prepared by Dudek in June 2022. The Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Harmon Ranch Project is included in this environmental impact report (EIR) as Appendix B.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to GHG emissions focused on the following topics:

- Vehicle miles traveled (VMT)

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.7.1 Existing Conditions

Climate Change Overview

Climate change refers to any significant change in measures of climate—such as temperature, precipitation, or wind patterns—lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the Sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: short-wave radiation emitted by the Sun is absorbed by the Earth; the Earth emits a portion of this energy in the form of long-wave radiation; and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-20th century and is the most significant driver of observed climate change (EPA 2017; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years,

primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system (as discussed in Appendix B).

Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. GHGs include, but are not limited to, carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), ozone (O_3), water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).[1] Some GHGs—such as CO_2, CH_4, and N_2O—occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases (e.g., HFCs, HCFCs, PFCs, and SF_6), which are associated with certain industrial products and processes. A summary of the most common GHGs and their sources is included in the following text.[2] Also included is a discussion of other climate-forcing substances.

Carbon Dioxide. CO_2 is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are from the combustion of fuels (e.g., coal, oil, natural gas, and wood) and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. CH_4 is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers; manure management; industrial processes, such as in nitric acid production, nylon production, and fossil-fuel-fired power plants; vehicle emissions; and using N_2O as a propellant (such as in rockets, race cars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric O_3-depleting substances (e.g., chlorofluorocarbons [CFCs], HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to O3-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as byproducts of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, along with HFCs, to O3-depleting substances. The two

[1] California Health and Safety Code 38505 identifies seven GHGs that CARB is responsible for monitoring and regulating to reduce emissions: CO_2, CH_4, N_2O, SF_6, HFCs, PFCs, and nitrogen trifluoride.

[2] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (1995), IPCC Fourth Assessment Report (2007), CARB's Glossary of Terms Used in GHG Inventories (IPCC 2015), and EPA's Glossary of Climate Change Terms (EPA 2016).

main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.

- **Sulfur Hexafluoride:** SF6 is a colorless gas that is soluble in alcohol and ether and slightly soluble in water. SF6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** Nitrogen trifluoride is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere), and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds with a structure very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter ($PM_{2.5}$), which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is short lived and varies spatially, which makes it difficult to quantify its global warming potential (GWP). Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminants (TACs) that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the California Air Resources Board (CARB) regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014a).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, which is created by the interaction between solar ultraviolet radiation and molecular oxygen, plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2016). The Intergovernmental Panel on Climate Change (IPCC) developed the GWP concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of carbon dioxide equivalent (CO_2e).

The current version of CalEEMod (Version 2020.4.0) assumes that the GWP for CH_4 is 25 (so emissions of one MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the proposed project.

4.7.2 Relevant Plans, Policies, and Ordinances

Federal

Infrastructure Investment and Jobs Act

On November 6, 2021, Congress passed the Bipartisan Infrastructure Deal (Infrastructure Investment and Jobs Act), a once-in-a-generation investment in our nation's infrastructure and competitiveness. This Bipartisan Infrastructure Deal will rebuild America's roads, bridges and rails, expand access to clean drinking water, ensure every American has access to high-speed internet, tackle the climate crisis, advance environmental justice, and invest in communities that have too often been left behind. The legislation will help ease inflationary pressures and strengthen supply chains by making long overdue improvements for our nation's ports, airports, rail, and roads. It will drive the creation of good-paying union jobs and grow the economy sustainably and equitably so that everyone gets ahead for decades to come. Combined with the President's Build Back Framework, it will add on average 1.5 million jobs per year for the next 10 years. It will improve transportation options for millions of Americans to reduce energy use and GHG emissions. It will increase investment in electric vehicle chargers and renewable energy production.

Executive Order on Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability

President Biden will sign an executive order that demonstrates how the United States will leverage its scale and procurement power to lead by example in tackling the climate crisis. The executive order will reduce emissions across federal operations, invest in American clean energy industries and manufacturing, and create clean, healthy, and resilient communities. The President's executive order directs the federal government to use its scale and procurement power to achieve five ambitious goals:

- 100% carbon pollution-free electricity by 2030, at least half of which will be locally supplied clean energy to meet 24/7 demand
- 100% zero-emission vehicle (ZEV) acquisitions by 2035, including 100% zero-emission light-duty vehicle acquisitions by 2027

- Net-zero emissions from federal procurement no later than 2050, including a Buy Clean policy to promote use of construction materials with lower embodied emissions
- A net-zero emissions building portfolio by 2045, including a 50% emissions reduction by 2032
- Net-zero emissions from overall federal operations by 2050, including a 65% emissions reduction by 2030

Massachusetts v. U.S. Environmental Protection Agency

In *Massachusetts v. Environmental Protection Agency (EPA)* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The Administrator found that elevated concentrations of GHGs—CO2, CH4, N2O, HFCs, PFCs, and SF6—in the atmosphere threaten the public health and welfare of current and future generations. This is the "endangerment finding."
- The Administrator further found the combined emissions of GHGs—CO2, CH4, N2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions:

1. Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
2. Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
3. Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards

In August 2016, EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018–2027 for certain trailers, and model years 2021–2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

On September 27, 2019, EPA and NHTSA also published their Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program (84 FR 51,310), which became effective November 26, 2019. The Part One Rule revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, EPA and NHTSA also issued Part Two of the SAFE Rule, which went into effect June 29, 2020 (85 FR 24174). The Part Two Rule set CO_2 emissions standards and corporate average fuel economy standards for passenger vehicles and light duty trucks for model years 2021 through 2026. On January 20, 2021, President Joe Biden issued an Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, which includes review of the Part One Rule by April 2021 and review of the Part Two Rule by July 2021. On April 22, 2021, NHTSA issued a notice of proposed rulemaking that would repeal those portions of SAFE 1 (including the regulatory text and interpretive statements in the preamble) that found California's GHG and ZEV mandates preempted by the Energy Policy and Conservation Act. One day after NHTSA issued its notice, EPA announced its parallel action on SAFE 1. On December 21, 2021, after reviewing all the public comments submitted on NHTSA's April 2021 Notice of Proposed Rulemaking, NHTSA finalizes the CAFE Preemption rulemaking to withdraw its portions of the so-called SAFE I Rule.

State

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes executive orders, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

Executive Order S-3-05

Executive Order (EO) S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

Assembly Bill 32

In furtherance of the goals established in EO S-3-05, the legislature enacted Assembly Bill (AB) 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

Executive Order B-55-18

EO B-55-18 (September 2018) establishes a statewide policy for the state to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the state's GHG emissions. CARB will work with relevant state agencies to ensure that future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

California Air Resources Board's Climate Change Scoping Plan

One specific requirement of AB 32 was for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emissions limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (17 CCR 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations, and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years, and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the IPCC, from 427 MMT CO_2e to 431 MMT CO_2e (CARB 2014b).

In 2015, as directed by EO B-30-15 (discussed below), CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable

impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of Senate Bill (SB) 32.

In December 2017, CARB adopted California's 2017 Climate Change Scoping Plan (2017 Scoping Plan) for public review and comment (CARB 2017). The 2017 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the state's climate change priorities to 2030 and beyond. The strategies' commitments include implementing renewable energy and energy efficiency strategies (including the mandates of SB 350), increasing stringency of the Low Carbon Fuel Standard, implementing measures identified in the Mobile Source and Freight Strategies, implementing measures identified in the proposed Short-Lived Climate Pollutant Reduction Strategy, and increasing stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program.

For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15% reduction goal with a recommendation to aim for a community-wide goal of no more than 6 MT CO_2e per capita by 2030, and no more than 2 MT CO_2e per capita by 2050, which are consistent with the state's long-term goals. These goals are also consistent with the Under 2 Memorandum of Understanding (Under 2 2016) and the Paris Agreement, which are developed around the scientifically based levels necessary to limit global warming to below 2°C. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through climate action plans [CAPs]) and provided more information regarding tools CARB is working on to support those efforts. It also recognized the CEQA streamlining provisions for project-level review where there is a legally adequate CAP.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32, SB 32, and the executive orders, and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. A project is considered consistent with the statutes and executive orders if it meets the general policies in reducing GHG emissions to facilitate the achievement of the state's goals and does not impede attainment of those goals. A project would be consistent if it will further the objectives and not obstruct their attainment.

CARB presently is preparing the 2022 Scoping Plan Update, which will assess progress towards achievement of the state's 2030 reduction target and lay out a path for the state's achievement of carbon neutrality by 2045. CARB has held a number of public workshops to provide information on the plan update and solicit feedback from stakeholders. A draft plan has not yet been released for public review and comment.

Executive Order B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 specifically set an interim target goal of reducing statewide GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. To facilitate achievement of this goal, EO B-30-15 called for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO_2e. The executive order also called for state agencies to continue to develop and implement GHG emissions reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016. EO B-30-15 did not require local agencies to take any action to meet the new interim GHG reduction target.

Senate Bill 32 and Assembly Bill 197

SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction targets, made changes to CARB's membership and increased legislative oversight of CARB's climate change-based activities, and expanded dissemination of GHG and other air-quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

Senate Bill 605 and Senate Bill 1383

SB 605 (2014) required CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) required CARB to approve and implement that strategy by January 1, 2018. SB 1383 also established specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH_4 and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provided direction for reductions from dairy and livestock operations and landfills. The Short-Lived Climate Pollutants Reduction Strategy was approved by CARB in March 2017, and lays out a range of options to reduce short-lived climate pollutant emissions in California, including regulations, incentives, and other market-supporting activities.

Building Energy

Title 24, Part 6

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Although not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and CEC, and revised if necessary (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry and the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to prior standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the

2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018). The project is subject to the nonresidential standards due to the number of stories. The project's apartments and affordable flats are subject to the nonresidential standards while the rowhomes and villas are subject to the residential standards.

On August 11, 2021, CEC adopted the 2022 Energy Code. In December 2021, it was approved by the California Building Standards Commission for inclusion into the California Building Standards Code. The 2022 Energy Code encourages efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, strengthens ventilation standards, and more. Buildings whose permit applications are applied for on or after January 1, 2023, must comply with the 2022 Energy Code.

Title 24, Part 11

In addition to CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California's Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings, schools, and hospitals. The CALGreen 2019 standards, which are the current standards, became effective January 1, 2020.

Title 20

Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Assembly Bill 1109

Enacted in 2007, AB 1109 required CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

SB 1

SB 1 (Murray) (August 2006) established a $3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and

performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed "Go Solar California," was previously titled "Million Solar Roofs."

California AB 1470 (Solar Water Heating)

This bill established the Solar Water Heating and Efficiency Act of 2007. AB 1470 makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. AB 1470 defines several terms for purposes of the act. The bill required a commission to evaluate the data available from a specified pilot program, and to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

Renewable Energy and Energy Procurement

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities. Initially, the RPS required utilities to obtain 20% of their power from renewable sources by 2010. SB X1-2 (2011) subsequently expanded the RPS by establishing that 33% of the total electricity sold to retail customers in California per year by December 31, 2020, and in subsequent years, be secured from qualifying renewable energy sources. SB 350 (2015) further expanded the RPS by establishing that 50% of the total electricity sold to retail customers in California per year by December 31, 2030, be secured from qualifying renewable energy sources. And SB 100 (2018) further accelerated the RPS, requiring achievement of a 50% RPS by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new state policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100% of electricity retail sales and 100% of electricity procured to serve all state agencies by December 31, 2045.

Under the program, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

Mobile Sources

CARB's Mobile Source Strategy

On May 16, 2016, CARB released the 2016 Mobile Source Strategy that demonstrates how the state can simultaneously meet air quality standards, achieve GHG emission reduction targets, decrease health risk from transportation emissions, and reduce petroleum consumption over the next 15 years. The actions contained in the 2016 Mobile Source Strategy will deliver broad environmental and public health benefits, as well as support much needed efforts to modernize and upgrade transportation infrastructure, enhance system-wide efficiency and mobility options, and promote clean economic growth in the mobile sector. The 2016 Mobile Source Strategy would also result in a 45% reduction in GHG emissions, and a 50% reduction in the consumption of petroleum-based fuels (CARB 2016).

On October 28, 2021, CARB received and heard the 2020 Mobile Source Strategy, which continues and builds upon the foundation established by the 2016 Mobile Source Strategy. The 2020 Mobile Source Strategy, if implemented, would achieve a 76% reduction in GHG emissions from 2020 levels from mobile sources by 2045, as largely

attributable to transitioning towards a zero-emissions fleet. Moving forward, CARB anticipates that the programs and concepts in the 2020 Mobile Source Strategy will be incorporated into other aspects of CARB's regulatory and planning frameworks.

State Vehicle Standards

AB 1493 (July 2002) was enacted in response to the transportation sector accounting for more than one-half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. AB 1493 required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004.

As explained under the "Federal Vehicle Standards" description above, EPA and NHTSA approved the SAFE Vehicles Rule Part One and Two, which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. Because the EPA rule is the subject of pending legal challenges, and because President Biden issued an executive order to review Part One and Part Two, this analysis used the best available information at this time, as set forth in EMFAC and assumed in CalEEMod.

The Advanced Clean Cars program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that by 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2012. To reduce GHG emissions, CARB, in conjunction with EPA and NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The ZEV program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

Executive Order S-1-07

Issued on January 18, 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The initial target of the Low Carbon Fuel Standard was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020. The Low Carbon Fuel Standard was subsequently amended in 2018 to require a 20% reduction in carbon intensity by 2030. This new requirement aligns with the California's overall 2030 target of reducing climate changing emissions to 40% below 1990 levels by 2030, set by SB 32. CARB has adopted implementing regulations for both the 10% and 20% carbon intensity reduction targets.

Senate Bill 375

SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan (RTP). The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible, the GHG reduction targets. If an SCS is unable to achieve the GHG

reduction target, a metropolitan planning organization must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), an SCS does not regulate the use of land; supersede the land use authority of cities and counties; or require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets adopted for the San Diego Association of Governments (SANDAG) in 2010 are a 7% reduction in per-capita passenger-vehicle GHG emissions by 2020 and a 13% reduction by 2035, measured relative to 2005 GHG emissions. In 2018, CARB adopted the second round of SB 375 reduction targets, and increased SANDAG's 2020 target to a 15% reduction in per-capita passenger-vehicle GHG emissions, and the 2035 target to a 19% reduction using the same 2005 baseline.

Senate Bill 350

In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code, Section 740.12).

AB 1236

AB 1236 (October 2015) (Chiu) required a city, county, or city and county to approve an application for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. AB 1236 provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is a matter of statewide concern. The bill required electric vehicle charging stations to meet specified standards. AB 1236 required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric vehicle charging stations. The bill also required a city, county, or city and county with a population of fewer than 200,000 residents to adopt this ordinance by September 30, 2017.

Executive Order B-16-12

EO B-16-12 (2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution ZEVs. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this executive order, the Governor convened an Interagency Working Group on ZEVs that has published multiple reports regarding the progress. It ordered CARB, CEC, the California Public Utilities Commission, and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help

achieve goals by 2015, 2020, and 2025. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

Executive Order N-79-20

EO N-79-20 (2020) sets the goal for the State that 100% of in-state sales of new passenger cars and trucks will be zero-emission by 2035. EO-N-79-20 also sets goals for transition to 100% zero emission all medium- and heavy-duty vehicles by 2045, zero emission drayage trucks by 2035, and zero emission off-road vehicles and equipment by 2035, where feasible. Among other directives to further this executive order, for passenger cars and trucks, the Governor directed CARB to develop and propose regulations requiring increasing volumes of new zero-emission vehicles sold in the State towards the target of 100% of in-state sales by 2035. The Governor also directed the Governor's Office of Business and Economic Development to develop a Zero-Emissions Vehicle Market Development Strategy, which was completed in February 2021.[3] The executive order also directs updates and assessments to ensure zero-emission vehicle infrastructure is in place to support the levels of electric vehicle adoption required by the order.

Small Off-Road Engines

The CARB approved a measure on December 9, 2021, that will require most newly manufactured small off-road engines such as those found in leaf blowers, lawn mowers and other equipment be zero emission starting in 2024. Portable generators, including those in recreational vehicles, would be required to meet more stringent standards in 2024 and meet zero-emission standards starting in 2028.

Solid Waste

AB 939 and AB 341

In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed of where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by 2000.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops, and in August 2015 published a discussion document titled AB 341 Report to the Legislature, which identified five priority strategies that CalRecycle believed would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2015).

[3] https://static.business.ca.gov/wp-content/uploads/2021/02/ZEV_Strategy_Feb2021.pdf.

SB 1383

Beginning in 2022, SB 1383 requires every jurisdiction to provide organic waste collection services to all residents and businesses. Jurisdictions can select from a variety of organic waste collection services to match their unique communities and local infrastructure, while producing clean streams of organic feedstock that can be recycled into high-quality, marketable recycled products, including compost, renewable natural gas, electricity, and paper. Jurisdictions will educate all residents and businesses about collection requirements, including what materials to put in curbside bins. Education to residents and businesses may vary by jurisdiction and educational content may be provided electronically, through hard copy materials, or through direct outreach.

Water

Executive Order B-29-15

In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the executive order extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The executive order includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increased the requirements for landscape water use efficiency and broadened its applicability to include new development projects with smaller landscape areas.

EO B-37-16

Issued May 2016, EO B-37-16 directed the State Water Resources Control Board to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The State Water Resources Control Board also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The State Water Resources Control Board and Department of Water Resources will develop new, permanent water use targets that build on the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the State Water Resources Control Board permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in fountains and other decorative water features; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

Other State Regulations and Goals

SB 97

SB 97 (Dutton) (August 2007) directed the Governor's Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. The California Natural Resources Agency (CNRA) then adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010. The CEQA Guidelines were subsequently amended in 2018, which changes became effective on December 28, 2018.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines provide that a lead agency should also consider the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features; off-site measures, including offsets that are not otherwise required; measures in an existing plan or mitigation program; measures that sequester GHGs; etc. (14 CRR 15126.4[c]). The adopted amendments do not establish a GHG emissions threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts (14 CCR 15064.7). The CEQA Guidelines also permit using environmental standards – i.e., an applicable and relevant quantitative, qualitative or performance requirement found in an ordinance, resolution, rule, regulation, order, plan or other environmental requirement that has been adopted for the purpose of environmental protection – as a threshold of significance to promote consistency in significance determinations (14 CCR 15064.7 [d]).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either quantifying the emissions resulting from a project or by relying on "qualitative analysis or other performance-based standards" (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should focus on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. The analysis should consider a timeframe appropriate for the project, and must reasonably reflect evolving scientific knowledge and state regulatory schemes (14 CCR 15064.4[b]).

Section 15183.5 of the CEQA Guidelines allows agencies to tier from qualified GHG reduction plans developed in accordance with subsection (b). Specifically, the GHG reduction plan must quantify GHG emissions, both existing and projected over a specified time period, resulting from activities within a defined geographic area; establish a level, based on substantial evidence, below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable; identify and analyze the GHG emissions resulting from specific actions or categories of actions anticipated within the geographic area; specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level; establish a mechanism to monitor the plan's progress toward achieving the level and to require amendment if the plan is not achieving specified levels; and be adopted in a public process following environmental review.

Executive Order S-13-08

EO Order S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the executive order directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009a), an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014) as well as in 2018, Safeguarding California Plan: 2018 Update California's Climate Adaptation Strategy (CNRA 2018). The draft 2021 California Climate Adaptation Strategy was released for public comment on October 18, 2021 and closed on November 17, 2021. To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water.

Local

San Diego Air Pollution Control District

The SDAPCD does not have established GHG rules, regulations, or policies.

SANDAG RTP/SCS

SANDAG completed and adopted its 2050 RTP/SCS in October 2011. In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

In October 2015, SANDAG adopted San Diego Forward: The Regional Plan (SANDAG 2015). Like the 2050 RTP/SCS, San Diego Forward: Regional Plan meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

The 2021 Regional Plan, adopted by SANDAG on December 10, 2021, provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes a SCS, as required by California Senate Bill 375 (Steinberg, 2008) (SB 375), for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then.

The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

City of Poway

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) (City of Poway 1991) includes air quality policies that also have direct impacts to GHG emissions. For a complete list refer to the Poway Comprehensive Plan: General Plan discussion in Section 4.2.2 Relevant Plans, Policies, and Ordinances.

4.7.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to GHGs/climate change are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to GHG emissions would occur if the project would:

1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The Appendix G thresholds for GHGs do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009b). Additional guidance regarding assessment of GHG's is discussed below.

CEQA Guidelines

With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or other performance based standards" (14 CCR 15064.4[b]). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

Governor's Office of Planning and Research Guidance

The Governor's Office of Planning and Research technical advisory titled, CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review, states that "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be

disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2008). Furthermore, the advisory document indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008).

Cumulative Nature of Climate Change

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project in the SDAB, such as the proposed project, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change.

While the proposed project would result in emissions of GHGs during construction and operation, no guidance exists to indicate what level of GHG emissions would be considered substantial enough to result in a significant adverse impact on global climate. However, it is generally believed that an individual project is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory as scientific uncertainty regarding the significance a project's individual and cumulative effects on global climate change remains.

Thus, GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective (CAPCOA 2008). This approach is consistent with that recommended by CNRA, which noted in its Public Notice for the proposed CEQA amendments (pursuant to SB 97) that the evidence before it indicates that in most cases, the impact of GHG emissions should be considered in the context of a cumulative impact, rather than a project-level impact (CNRA 2009b). Similarly, the Final Statement of Reasons for Regulatory Action on the CEQA Amendments confirm that an environmental impact report or other environmental document must analyze the incremental contribution of a project to GHG levels and determine whether those emissions are cumulatively considerable (CNRA 2009a).

The analysis for compliance with regulatory programs only applies to the individual area addressed by the regulatory program. If the proposed project is determined to have GHG emissions less than 900 MT CO_2e per year, then the project's cumulative contribution of GHG emissions would be considered less than significant. Conversely, if the proposed project is determined to exceed the 900 MT CO_2e per year threshold, then the project's cumulative contribution of GHG emissions would be considered significant, and feasible mitigation measures would be required.

A numerical bright-line value for City projects does not yet exist. Moreover, no bright-line threshold has been formally adopted by an air district or other lead agencies for use in the San Diego region. The California Air Pollution Control Officers Association (CAPCOA) recommended an interim 900 MT CO_2e screening level as a theoretical approach to identify projects that require further analysis and potential mitigation (CAPCOA 2008). The 900 MT CO_2e per year screening threshold was developed by CAPCOA based on data collection on various development applications submitted among four diverse cities, including the Cities of Los Angeles, Pleasanton, Dublin, and Livermore. Following the review of numerous pending applications within these four cities, an analysis was conducted to determine the threshold that would capture 90% or more of applications that would be required to conduct a full GHG analysis and implement GHG emission reduction measures as part of final project design. Following CAPCOA's analysis of development applications in various cities, it was determined that the threshold of 900 MT CO_2e per year would achieve the objective of 90% capture and ensure that new development projects would keep the State of California on track to meet the goals of Assembly Bill (AB) 32. This 900 MT CO_2e screening level

threshold is considered appropriate for small maritime projects or other land use types, but was not devised to include emissions associated with the larger goods movement (e.g., oceangoing vessels, freight rail) projects or larger industrial processes that are typically associated with marine terminals. Consequently, the interim screening level recommended by CAPCOA would be appropriate for the proposed project. The 900 MT CO_2e threshold is applied to evaluate whether the project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

Lead agencies can set thresholds on a project-by-project basis, or they can informally or formally adopt thresholds to be consistently applied to all projects (OPR 2008). For the lead agency, having clearly established thresholds promotes predictability and consistency (over time and across reviewers) in the environmental review process, can bolster the defensibility of significance determinations in the lead agency's documents, and can focus the analysis on impacts expected to be significant rather than impacts that are simply controversial. However, CEQA does not require that a lead agency use the same significance threshold for different CEQA documents (Appendix B).

Lead agencies are encouraged in the State CEQA Guidelines (14 CCR 15064.7[a]) to develop and formally adopt thresholds of significance, though most do not do so. Thresholds established for general use by a lead agency must be adopted by ordinance, resolution, rule, or regulation; be subjected to public review; and be supported by substantial evidence (14 CCR 15064.7[b]). Thresholds used only for a specific project are not required to be adopted by ordinance or other formal means (Appendix B).

Thresholds of significance must be backed by substantial evidence, which is defined in the CEQA statute to mean "facts, reasonable assumptions predicated on facts, and expert opinion supported by facts" (14 CCR 15384[b]).[4] Substantial evidence can be in the form of technical studies, agency staff reports or opinions, expert opinions supported by facts, and prior CEQA assessments and planning documents. The 900 MT CO_2e per year threshold is supported by expert opinion (i.e., CAPCOA 2008), agency guidance (e.g., County of San Diego 2015), and prior environmental impact reports (e.g., San Diego Unified Port District 2016, at a minimum).

The significance of a project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b) by considering whether the project complies with applicable plans, policies, regulations, and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. As a land use development project, the most directly applicable adopted regulatory plan to reduce the proposed project's GHG emissions is SANDAG's Regional Plan, which is designed to achieve regional GHG reductions from the land use and transportation sectors as required by SB 375 and the state's long-term climate goals. This analysis also considers consistency with regulations or requirements adopted by the 2008 Climate Change Scoping Plan and subsequent updates.

[4] 14 CCR 15384 provides the following discussion: "Substantial evidence" as used in the Guidelines is the same as the standard of review used by courts in reviewing agency decisions. Some cases suggest that a higher standard, the so called "fair argument standard" applies when a court is reviewing an agency's decision whether or not to prepare an EIR. Public Resources Code section 21082.2 was amended in 1993 (Chapter 1131) to provide that substantial evidence shall include "facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts." The statute further provides that "argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence."

4.7.4 Impacts Analysis

Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Construction Emissions

Construction of the proposed project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. GHG emissions associated with temporary construction activity were quantified using CalEEMod. A detailed depiction of the construction schedule—including information regarding phasing, equipment utilized during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Appendix B to this EIR.

Table 4.7-1 shows the estimated annual GHG construction emissions associated with the proposed project, as well as the amortized construction emissions over a 30-year project life.

Table 4.7-1. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2024	345.66	0.10	0.00	348.82
2025	397.65	0.07	0.01	401.81
2026	156.68	0.02	0.00	158.32
			Total	908.95
			Amortized Emissions	30.30

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix B for complete results.

Total construction emissions for the proposed project were estimated to be 909 MT CO_2e. Estimated amortized project-generated construction emissions over 30 years would be approximately 30 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the proposed project would be short-term in nature, lasting only for the duration of the construction period for each phase, and would not represent a long-term source of GHG emissions.

Operational Emissions

Operation of the proposed project would generate GHG emissions through motor vehicle trips to and from the project site; landscape maintenance equipment operation; energy use (natural gas and generation of electricity consumed by the proposed project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution, as well as wastewater treatment. CalEEMod was used to calculate the annual GHG emissions based on the operational assumptions described in Appendix B to this EIR.

Table 4.7-2 shows the estimated operational (year 2026) project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation.

Table 4.7-2. Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Area	50.39	0.00	0.00	50.70
Energy	193.44	0.01	0.00	194.33
Mobile	434.81	0.03	0.02	441.80
Solid waste	14.98	0.89	0.00	37.11
Water supply and wastewater	21.43	0.14	0.00	25.80
			Total	**749.73**
			Amortized Construction Emissions	*30.30*
			Operation + Amortized Construction Total	**780.03**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix B for detailed results.
These emissions reflect California Emissions Estimator Model "mitigated" output and operational year 2025.

As shown in Table 4.7-2, estimated annual project-generated GHG emissions in 2026 would be approximately 750 MT CO_2e per year as a result of proposed project operations. Estimated annual project-generated emissions in 2026 from area, energy, mobile, solid waste, and water/wastewater sources and amortized project-generated construction emissions would be approximately 780 MT CO_2e per year. As discussed in Appendix B to this EIR, the significance threshold for this project would be 900 MT CO_2e per year. Therefore, impacts would be considered **less than significant**.

Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with SANDAG's San Diego Forward: The Regional Plan

At the regional level, SANDAG's RTP/SCS has been adopted for the purpose of reducing GHG emissions attributable to passenger vehicles in the San Diego region. In December 2021, SANDAG adopted its RTP/SCS (The 2021 Regional Plan), which shows the San Diego region reduced per capita CO_2 emissions by 17.9% in 2020 compared to 2005 baseline, which exceeds the 2020 target set for SANDAG of 15% reduction. Implementation of the RTP/SCS is estimated to result in a 20% CO_2 emissions reduction for cars and light-duty trucks by 2035, exceeding the 19% target from 2005 levels set by CARB. The RTP/SCS does not regulate land use or supersede the exercise of land use authority by SANDAG's member jurisdictions, but it is a relevant regional reference document for purposes of evaluating the intersection of land use and transportation patterns and the corresponding GHG emissions.

SANDAG's Regional Plan is a regional growth-management strategy that targets per-capita GHG reduction from passenger vehicles and light-duty trucks in the San Diego region. The Regional Plan will integrate land use and transportation strategies to meet GHG emissions reduction targets that are forecasted to achieve the state's 2035 and 2050 GHG reduction goals. The Regional Plan incorporates local land use projections and circulation networks in city and county general plans. Typically, a project would be consistent with the Regional Plan if it does not exceed the underlying growth assumptions within the Regional Plan.

Implementation of the proposed project would result in an increase in 63 residential units. SANDAG's 2021 Regional Plan, was adopted on December 10, 2021 and is the current growth forecast; it estimates that the City would have 17,092 units in 2025 and 18,017 units in 2035 (SANDAG 2021). This would equate to an additional 93 units per year from 2025 to 2035. The proposed project is expected to bring 63 units to market in 2026. Therefore, while the proposed project would be consistent with the current land use designation for the site, the proposed project would not conflict with SANDAG's regional growth forecast for the City, which accounts for residential growth in the City.

The Regional Plan includes the following daily VMT totals for the San Diego region as a whole: a daily 26 total VMT per capita for the 2005 base year; a daily 21.83 total VMT per capita for the 2020 plan year; 20.48 total VMT per capita for the 2035 plan year; and 19.9 total VMT per capita for the 2050 plan year. To analyze the consistency of the proposed project with the Regional Plan for informational purposes, the proposed project's total daily VMT was divided by the proposed project's service population to arrive at the per capita total daily VMT estimates. The proposed project daily VMT in 2026 is estimated to be 19.3 (Appendix M). Therefore, the proposed project's VMT per capita in 2026 would be 19.3, which would be less than the overall SANDAG region's daily 20.48 VMT per capita for the 2035 plan year and 19.9 daily VMT per capita for the 2050 plan year. Therefore, the proposed project would be consistent with the total VMT per capita, growth projections, and GHG reductions assumed within the Regional Plan.

Table 4.7-3 illustrates the proposed project's consistency with all applicable goals and policies of SANDAG's Regional Plan (SANDAG 2015).

Table 4.7-3. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
Land Use and Habitat	The 2021 Regional Plan vision for land use focuses on development and growth in Mobility Hub areas to preserve the region's habitat and open space while supporting transportation investments and reducing vehicle miles traveled (VMT). Mobility Hubs are the opportunity areas to provide housing to address the Regional Housing Needs Assessment	Consistent. The project is located on an infill site that is within close proximity to multi-modal transportation options, including Class III bicycle facilities along the project frontage, and the closest MTS bus routes on Poway Road and the Countryside Apartments driveway, approximately 0.1 miles away from the project site (0.4 miles walking distance). Further, the project would provide needed residential opportunities in the City, helping to improve the jobs/housing ratio and reduce the trip lengths traveled by persons employed in the City.
Housing	The 2021 Regional Plan addresses the housing crisis through Mobility Hubs, bringing locations where people live and work closer together and providing more housing options for more San Diegans through increased density. SANDAG will rely on building stronger partnerships with local jurisdictions to increase housing in	Consistent. The project is located on an infill site that is in close proximity to multi-modal transportation options, including Class III bicycle facilities along the project frontage, and the closest MTS bus routes on Poway Road and the Countryside Apartments driveway, approximately 0.1 miles

Table 4.7-3. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	the region, especially housing available to low-income residents.	away from the project site (0.4 miles walking distance). Further, the project would provide needed residential opportunities in the City, helping to improve the jobs/housing ratio and reduce the trip lengths traveled by persons employed in the City.
Climate Action Planning	To help reach regional and state greenhouse gas (GHG) emissions–reduction targets, the 2021 Regional Plan focuses heavily on the conversion to clean transportation and a shift from personal vehicle dependency through the 5 Big Moves. To help local jurisdictions make this transition and achieve broader reductions in GHG emissions, SANDAG will provide technical assistance, guidance resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their climate action plans (CAP) and plan for more well-connected, sustainable, healthy communities that are accessible to all.	Not appliable. The project will not prevent SANDAG from providing technical assistance, guidance resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their climate action plans (CAP) and plan for more well-connected, sustainable, healthy communities that are accessible to all.
Climate Adaptation and Resilience	The 2021 Regional Plan aims to better prepare San Diego communities and habitats for these climate change impacts by considering evacuation and rapid mobility needs in our transit corridors, evaluating and considering climate vulnerabilities to the region's transportation infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts. SANDAG will establish a coordinated effort across agencies and local jurisdictions for a more holistic, comprehensive, equitable, sustainable, and resilient region.	Not appliable. The project will not prevent SANDAG from considering evacuation and rapid mobility needs in our transit corridors, evaluating and considering climate vulnerabilities to the region's transportation infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts.
Electric Vehicles	Electrification is included in the 2021 Regional Plan as a way to reach regional greenhouse gas (GHG) emission–reduction targets. Electric vehicles (EVs) are zero-emission vehicles that include plug-in battery EVs and hydrogen fuel cell EVs.	Consistent. The project would include electric vehicle capable parking spaces in accordance with the Title 24 and CALGreen requirements.

Table 4.7-3. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	SANDAG aims to incentivize and encourage the incorporation of all types of EVs into Flexible Fleets, Transit Leap, and goods movement and to support funding programs that increase the number of EVs and charging stations throughout the region and within Mobility Hubs and as part of the Complete Corridor strategy.	
Parking and Curb Management	Proactively managing parking and curb space enables more people to access places within our communities using alternatives to driving. Effective parking-management policies contribute to the region's ability to meet the California Senate Bill 375 (Steinberg, 2008) greenhouse gas emissions–reduction target t by applying parking pricing and reduced parking supply assumptions, which are included in the travel demand model (reference Appendix B: Sustainable Communities Strategy Documentation and Related Information).	Not appliable. The project will not prevent SANDAG from managing parking and curb space enables more people to access places within our communities using alternatives to driving.
Transportation Demand Management.	Transportation Demand Management (TDM) innovations have the potential to transform the way people travel within and between communities. Managing demands on the existing transportation system is a vital strategy for making the overall system more effective in reducing drive-alone commute trips. SANDAG will continue to administer and monitor the iCommute program by providing regional rideshare, employer outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.	Not appliable. The project will not prevent SANDAG from efforts to continue to administer and monitor the iCommute program by providing regional rideshare, employer outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.
Vision Zero	Vision Zero is a national campaign to eliminate all traffic-related deaths and serious injuries by focusing on policies and the redesign of streets to create a transportation system that is safe for everyone. In adopting Vision Zero, SANDAG will work toward Zero by collecting and	Not appliable. The project will not prevent SANDAG from supporting the Vision Zero campaign in the County.

Table 4.7-3. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	analyzing crash data to identify safety issues and recommend solutions; developing a regional safety policy; continuing to construct the Regional Bike Network; working with local jurisdictions to conduct outreach for and build out their complete streets networks; and funding educational programs, including opportunities to collaborate with tribal nations	
Fix It First	To optimize investments in the region's transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving upon existing roads, rails, and sidewalks. The Fix It First strategy aims to repair existing roads and create a system for sustained maintenance in the future, creating a safe and efficient transportation network for all users.	Not appliable. The project will not prevent SANDAG from optimizing investments in the region's transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving upon existing roads, rails, and sidewalks.
Transportation System Management and Operations	Transportation System Management and Operations (TSMO) employs a series of intelligent transportation system strategies designed to maximize the capacity and efficiency of the existing and future transportation system. H	Not appliable. The project will not prevent SANDAG from Transportation System Management and Operations (TSMO).

Source: SANDAG 2021.
Notes: City = City of Poway; proposed project = Harmon Ranch; VMT = vehicle miles traveled; SANDAG = San Diego Association of Governments; EV = electric vehicle.

As shown in Table 4.7-3, the proposed project would be consistent with all applicable Regional Plan policy objectives or strategies. SANDAG worked with the local jurisdictions to identify Regional Housing Needs Assessment allocation options that meet the four goals of housing element law (Government Code Section 65484[d][1]–[4]) within the Regional Plan. The second of the four objectives of the SANDAG Regional Housing Needs Assessment is to promote infill development and socioeconomic equity, the protection of environmental and agricultural resources, and the encouragement of efficient development patterns. Also, one of the key achievements projected for the Regional Plan is for nearly three-quarters of multi-family housing to be built on redevelopment or infill sites. The proposed project would be consistent with that goal as it would be developed on an infill site.

In summary, the proposed project promotes a pedestrian experience for its residents and visitors that would facilitate non-vehicular travel, consistent with SB 375 and SANDAG's Regional Plan. As shown in Table 4.7-3, the proposed project would be consistent with policy objectives of SANDAG's Regional Plan. Impacts would be **less than significant**.

Consistency with CARB's Scoping Plan

The Scoping Plan, approved by CARB on December 12, 2008, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. As such, the Scoping Plan is not directly applicable to specific projects. Relatedly, in the Final Statement of Reasons for the Amendments to the CEQA Guidelines, CNRA observed that "[t]he [Scoping Plan] may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009b). Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., low-carbon fuel standard), among others. The proposed project would comply with all applicable regulations adopted in furtherance of the Scoping Plan to the extent required by law.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 4.7-4 highlights measures that have been developed under the Scoping Plan and the proposed project's consistency with those measures. The table also includes measures proposed in the 2017 Scoping Plan Update. To the extent that these regulations are applicable to the proposed project, its inhabitants, or uses, the proposed project would comply with all applicable regulations adopted in furtherance of the Scoping Plan.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Transportation Sector		
Advanced Clean Cars	T-1	The proposed project's residents would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
1.5 million zero-emission and plug-in hybrid light-duty electric vehicles by 2025 (4.2 million Zero-Emissions Vehicles by 2030)	N/A	The proposed project includes EV charging stations.
Low Carbon Fuel Standard	T-2	Motor vehicles driven by the proposed project's residents would use compliant fuels.
Low Carbon Fuel Standard (18 percent reduction in carbon intensity by 2030)	N/A	Motor vehicles driven by the proposed project's residents would use compliant fuels.
Regional Transportation-Related GHG Targets	T-3	The proposed project would encourage use of alternative forms of transportation.
Advanced Clean Transit	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Last Mile Delivery	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Reduction in Vehicle Miles Traveled	N/A	The proposed project is located on an infill site, which promotes compact walkable communities with an emphasis on proximity and accessibility.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Ship Electrification at Ports (Shore Power)	T-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
California Sustainable Freight Action Plan	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Heavy-Duty Vehicle GHG Emission Reduction 1. Tractor-Trailer GHG Regulation 2. Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I)	T-7	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Project	T-8	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Medium and Heavy-Duty GHG Phase 2	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
High-Speed Rail	T-9	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	The proposed project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Energy Efficiency (Natural Gas)	CR-1	The proposed project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	The proposed project would not employ solar water heating as part of the design.
Combined Heat and Power	E-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Renewable Portfolios Standard (33 percent by 2020)	E-3	The proposed project would use energy supplied by San Diego Gas and Electric, which is in compliance with the Renewable Portfolio Standard.
Renewable Portfolios Standard (50 percent by 2050)	N/A	The proposed project would use energy supplied by San Diego Gas and Electric, which is in compliance with the Renewable Portfolio Standard.
Senate Bill 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	The proposed project would include solar roofs installations, in compliance with the 2019 Title 24 standards.
Water Sector		
Water Use Efficiency	W-1	The proposed project is going to utilize water saving features including low-flow fixtures.
Water Recycling	W-2	Recycled water will not be used on site.
Water System Energy Efficiency	W-3	This is applicable for the transmission and treatment of water, but it is not applicable for the proposed project.
Reuse Urban Runoff	W-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Renewable Energy Production	W-5	Applicable for wastewater treatment systems. Not applicable for the proposed project.
Green Buildings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	The proposed project would be required to be constructed in compliance with state or local green building standards in effect at the time of building construction.
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-2	The proposed project's buildings would meet green building standards that are in effect at the time of construction.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-3	The proposed project would be required to be constructed in compliance with local green building standards in effect at the time of building construction.
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Industry Sector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Oil and Gas Extraction GHG Emission Reduction	I-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Reduce GHG Emissions by 20 percent in Oil Refinery Sector	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Refinery Flare Recovery Process Improvements	I-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Work with the local air districts to evaluate amendments to their existing leak detection and repair rules for industrial facilities to include methane leaks	I-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Recycling and Waste Management Sector		
Landfill Methane Control Measure	RW-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Increasing the Efficiency of Landfill Methane Capture	RW-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Mandatory Commercial Recycling	RW-3	During both construction and operation of the proposed project, the proposed project would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended. During construction, all wastes would be recycled to the maximum extent possible.
Increase Production and Markets for Compost and Other Organics	RW-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Anaerobic/Aerobic Digestion	RW-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Extended Producer Responsibility	RW-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Environmentally Preferable Purchasing	RW-7	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Forests Sector		
Sustainable Forest Target	F-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
High Global Warming *Potential Gases Sector*		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
SF_6 Limits in Non-Utility and Non-Semiconductor Applications	H-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Reduction of Perfluorocarbons in Semiconductor Manufacturing	H-3	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Limit High Global Warming Potential Use in Consumer Products	H-4	The proposed project's residents would use consumer products that would comply with the regulations that are in effect at the time of manufacture.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
SF_6 Leak Reduction Gas Insulated Switchgear	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
40 percent reduction in methane and hydrofluorocarbon emissions	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 4.7-4. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
50 percent reduction in black carbon emissions	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Agriculture Sector		
Methane Capture at Large Dairies	A-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Source: CARB 2008, 2017.
Notes: GHG = greenhouse gas; proposed project = Harmon Ranch; CARB = California Air Resources Board; EV = electric vehicle; SF_6 = sulfur hexafluoride.

Based on the analysis in Table 4.7-4, the proposed project would be consistent with the applicable strategies and measures in the Scoping Plan.

In addition to the measures outlined in the Table 4.7-4, the Scoping Plan also highlights, in several areas, the goals and importance of infill projects. Specifically, the Scoping Plan calls out an ongoing and proposed measure to streamline CEQA compliance and other barriers to infill development. The plan encourages infill projects and sees them as crucial to achieving the State's long-term climate goals. The plan encourages accelerating equitable and affordable infill development through enhanced financing and policy incentives and mechanisms.

The state will complete an Integrated Natural and Working Lands Climate Change Action Plan (Action Plan) by 2018, which will consider aggregation of eco-regional plans and efforts to achieve net sequestration goals. The Action Plan will include goals and plans to promote and provide incentives for infill development through community revitalization and urban greening and promote the adoption of regional transportation and development plans, such as SB 375 SCS and Climate Action Plans, which prioritize infill and compact development and also consider the climate change impacts of land use and management.

The following strategies were outlined to expand infill development within the Scoping Plan:

- Encouraging regional transfer of development rights programs to allow owners of natural and working lands to sell their development rights to developers who can use those rights to add additional density to development projects in preferred infill areas.
- Promoting regional transit-oriented development funds that leverage public resources with private-sector investment capital to provide flexible capital for transit-oriented development projects.
- Rebates for low-VMT/location-efficient housing, similar to programs that use rebates to encourage adoption of energy-efficient appliances, ZEVs, water-efficient yards, or renewable energy installation. For example, the rebate could reimburse residents for a portion of the down payment for purchasing or renting a qualified home in exchange for a minimum term of residence.
- Promotion of cross-subsidizing multi-station financing districts along transit corridors to leverage revenues from development in strong-market station areas in order to seed needed infrastructure and development in weaker-market station areas.
- Abatement of residential property tax increases in exchange for property-based improvements in distressed infill areas.

- Ways to promote reduced parking in areas where viable transportation alternatives are present.
- Additional creative financing mechanisms to enhance the viability of priority infill projects.
- Ways to promote and strengthen urban growth boundaries to promote infill development and conservation of natural and working lands by defining and limiting developable land within a metropolitan area according to projected growth needs.

In summary, the proposed project would be consistent with the measures and policy goals as shown in Table 4.7-4, Project Consistency with Scoping Plan GHG Emission-Reduction Strategies. The proposed project would also be consistent with the various efforts the Scoping Plan established to encourage infill development projects. Therefore, the proposed project would be consistent with CARB's Scoping Plan.

Finally, the SDAPCD has not adopted GHG reduction measures that would apply to the GHG emissions associated with the proposed project. Therefore, this impact would be **less than significant**.

4.7.5 Cumulative Impacts

As discussed in Section 4.7.4, Impacts Analysis, global climate change is a cumulative impact; however, as shown, the proposed project would have a less-than-significant impact with mitigation.

4.7.6 Mitigation Measures

No mitigation would be required.

4.7.7 Level of Significance after Mitigation

The proposed project's impact would be less than significant prior to mitigation.

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4.8 Hazards and Hazardous Materials

This section describes the existing hazardous materials conditions of The Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures for implementation of the proposed project.

The analysis herein is based on findings of the Phase I and II Environmental Site Assessment Report prepared for the project by GEOCON in December 2021. The Phase I and II Environmental Site Assessment Report is included as Appendix H to this EIR. Additionally, this section relies on information from the Evacuation Plan prepared for the project, included as Appendix R to this EIR.

4.8.1 Existing Conditions

Project Site

The project site consists of approximately 11.5 acres of disturbed land bisected by existing Oak Knoll Road. The majority of the site has been cleared for several years and was previously used as a construction staging yard for a San Diego Gas & Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (Assessor's Parcel Number 317-500-14-00). The project site is surrounded by multifamily residential uses to the west, single family residential uses to the east and south, and commercial uses to the north.

Site History

Based on a review of available aerial photographs, the project site was used for agricultural purposed from 1939 -1949. Agricultural use of the site appeared to stop in 1949 and conditions remained the same until 1964. In 1964 a road was depicted bisecting the site. The three structures on the portion of the project site north of Oak Knoll Road are shown on topographic maps in 1967. Conditions on the project site remain similar from 1966 until 2016. Residential development surrounding the project site occurred between 1964 and 2005 and commercial development surrounding the project site occurred in 1979 (Appendix H). The residence south of Oak Knoll Road was built in 1946 (Appendix E, Built Environment Inventory and Evaluation Report for Harmon Ranch).

Hazardous Materials

Government Code Section 65962.5 requires the California Department of Toxic Substances Control (DTSC), the State Department of Health Services, the State Water Resources Control Board (SWRCB), and the California Department of Resources Recycling and Recovery (CalRecycle) to compile and annually update lists of hazardous waste sites and lands designated as hazardous waste sites throughout the state. The provisions in Government Code Section 65962.5 are commonly referred to as the "Cortese List." The Cortese List, which includes the resources listed below, was reviewed for hazardous waste sites along the project alignment.

- List of hazardous waste and substances sites from the DTSC EnviroStor database
- List of leaking underground storage tank (LUST) sites from the SWRCB GeoTracker database
- List of solid waste disposal sites identified by SWRCB with waste constituents above hazardous waste levels outside the waste management unit

- List of "active" cease-and-desist orders and cleanup and abatement orders from SWRCB
- List of hazardous waste facilities subject to corrective action identified by DTSC

The Phase I ESA performed by Geocon for the project (Appendix H) reviewed the above-listed databases and lists for information regarding hazardous materials or hazardous wastes on the project site. The project site was not designated as a Cortese site; however, 12 Cortese site are located within 0.5 miles of the project site.

Schools

A Montessori preschool, Montessori Center of San Diego, is located approximately 0.1 miles east of the project site. No other schools are located or proposed within 0.25 miles of the project site.

Fire Hazards

The project site is surrounded by single-family homes to the south and east, an apartment community to the west, and commercial uses to the north within the jurisdiction of the City of Poway Fire Department (PFD); therefore, the project site is currently served by PFD. PFD Fire Station 1 is located approximately 1 mile east of the project site at 13050 Community Road. The project site is not located within a High or Very High Fire Severity Zone. (CAL FIRE 2023).

Emergency Response

The City does not have a current emergency response plan or evacuation routes; however, it does administer the Community Emergency Response Team (CERT) Program, which educates City residents and adjacent cities about disaster preparedness. Once a year, the City offers a CERT academy that provides training in basic disaster response skills such as fire safety, simple search and rescue, basic first aid, terrorism, emergency preparedness, and disaster psychology. Graduates of the program or an equivalent CERT course are eligible to apply for membership in the City's CERT and are required to attend two trainings of community events each year (City of Poway n.d.).

The San Diego County Wildfire Evacuation Plan incorporates concepts and protocols practiced throughout the City and San Diego County. The City's EOP follows basic protocols set forth in the County's Operation Area Emergency Operations Plan and the California Master Mutual Aid Agreement, which dictate who is responsible for an evacuation effort and how regional resources will be requested and coordinated. The following overview contains information from the San Diego County Evacuation Annex and is consistent with the City's EOP.

First responders are responsible for determining initial protective actions before EOCs and emergency management personnel have an opportunity to convene and gain situational awareness. Initial protective actions are shared/communicated to local EOCs and necessary support agencies as soon as possible to ensure an effective, coordinated evacuation.

During an evacuation effort, the San Diego County Sheriff's Department will declare an evacuation and be assisted by other law enforcement and support agencies. Law enforcement agencies, highway/road/street departments, and public and private transportation providers will conduct evacuation operations. Procurement, regulation, and allocation of resources will be accomplished by those designated. Evacuation operations will be conducted by the following agencies: San Diego County Sheriff's Department, Poway Fire Department, American Red Cross, San Diego Humane Society, San Diego County Department of Animal Services, City and County Department of Planning and

Development Services, City and County Department of Public Works, County Department of Environmental Services, and other City, County, and State agencies, as needed.

In the event of an evacuation, evacuees are anticipated to be considered in a "safe zone" once they are a reasonable distance away from open space and in a dense urbanized area. The I-15 and Poway Road interchange and the Town & Country Plaza were considered the gateways or safe zones for evacuees to seek refuge from the wildfire, although there are many other urbanized areas within Poway that would also provide safety from wildfires. Pomerado Road, Poway Road, and Oak Knoll Road would be utilized as evacuation routes as well (Appendix R).

Law enforcement services are provided by contract with the San Diego County Sheriff's Department. The Poway Sheriff's Station, located at 13100 Bowron Road, provides patrol, traffic, and investigative services to the City. The Poway Station currently consists of 45 sworn personnel, six civilians, 13 reserve deputies, and 48 senior volunteer patrol personnel (San Diego County Sheriff 2023).

4.8.2 Relevant Plans, Policies, and Ordinances

Federal

Comprehensive Environmental Response, Compensation, and Liability Act and Superfund Amendments and Reauthorization Act

Congress enacted the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund, on December 11, 1980. CERCLA established prohibitions and requirements concerning closed and abandoned hazardous waste sites; provided for liability of persons responsible for releases of hazardous waste at these sites; and established a trust fund to provide for cleanup when no responsible party could be identified. The Superfund Amendments and Reauthorization Act (SARA) amended CERCLA on October 17, 1986. SARA stressed the importance of permanent remedies and innovative treatment technologies in cleaning up hazardous waste sites; required Superfund actions to consider the standards and requirements found in other state and federal environmental laws and regulations; provided new enforcement authorities and settlement tools; increased state involvement in every phase of the Superfund program; increased the focus on human health problems posed by hazardous waste sites; encouraged greater citizen participation in making decisions on how sites should be cleaned up; and increased the size of the trust fund to $8.5 billion.

Emergency Planning Community Right-to-Know Act

The Emergency Planning Community Right-to-Know Act, also known as SARA Title III, was enacted in October 1986. This law requires any infrastructure at the state and local levels to plan for chemical emergencies. Reported information is then made publicly available so that interested parties may become informed about potentially dangerous chemicals in their community. The Emergency Planning Community Right-to-Know Act Sections 301 through 312 are administered by the U.S. Environmental Protection Agency (EPA) Office of Emergency Management. In California, SARA Title III is implemented through the California Accidental Release Prevention (CalARP) Program.

Federal Response Plan

The Federal Response Plan of 1999 is a signed agreement among 27 federal departments and agencies, including the American Red Cross, that: (1) provides the mechanism for coordinating delivery of federal assistance and resources to augment efforts of state and local governments overwhelmed by a major disaster or emergency; (2) supports implementation of the Robert T. Stafford Disaster Relief and Emergency Act, as well as individual agency statutory authorities; and (3) supplements other federal emergency operations plans developed to address specific hazards. The Federal Response Plan is implemented in anticipation of a significant event likely to result in a need for federal assistance or in response to an actual event requiring federal assistance under a presidential declaration of a major disaster or emergency.

Hazardous Materials Transportation Act

The U.S. Department of Transportation regulates hazardous materials transportation under Title 49 of the Code of Federal Regulations. The California Highway Patrol and the California Department of Transportation are the state agencies with primary responsibility for enforcing federal and state regulations and responding to hazardous materials transportation emergencies. These agencies also govern permitting for hazardous materials transportation. Title 49 of the Code of Federal Regulations reflects laws passed by Congress as of January 2, 2006.

International Fire Code

The International Fire Code (IFC), created by the International Code Council, is the primary means for authorizing and enforcing procedures and mechanisms to ensure the safe handling and storage of any substance that may pose a threat to public health and safety. The IFC regulates the use, handling, and storage requirements for hazardous materials at fixed facilities. The IFC and the International Building Code use a hazard classification system to determine what measures are required to protect fire and life safety. These measures may include construction standards, separation from project site lines, and specialized equipment. To ensure that these safety measures are met, the IFC employs a permit system based on hazard classification. The IFC is updated every 3 years.

National Emissions Standards for Hazardous Air Pollutants Program

Under federal law, 188 substances are listed as hazardous air pollutants. Major sources of specific hazardous air pollutants are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants program. EPA is establishing regulatory schemes for specific source categories, and requires implementation of Maximum Achievable Control Technologies for major sources of hazardous air pollutants in each source category. State law has established the framework for California's Toxic Air Contaminant Identification and Control Program, which is generally more stringent than the federal program, and is aimed at hazardous air pollutants that are a problem in California. The state has formally identified more than 200 substances as toxic air contaminants, and is adopting appropriate control measures for each. Once adopted at the state level, each local air district will be required to adopt a measure that is equally or more stringent.

Occupational and Safety Health Act

Congress passed the Occupational and Safety Health Act to ensure worker and workplace safety. Its goal was to make sure employers provide their workers a place of employment free from recognized hazards to safety and health, such as exposure to toxic chemicals, excessive noise levels, mechanical dangers, heat or cold stress, or

unsanitary conditions. In order to establish standards for workplace health and safety, the Occupational and Safety Health Act also created the National Institute for Occupational Safety and Health as the research institution for the Occupational Safety and Health Administration. The Occupational Safety and Health Administration is a division of the U.S. Department of Labor that oversees the administration of the Occupational and Safety Health Act and enforces standards in all 50 states. Because California has an approved State Plan, only California Occupational Safety and Health Administration (Cal/OSHA) standards apply to the project site.

Renovating, Repair, and Painting Rule

In 2008, EPA issued the Renovation, Repair, and Painting Rule. This rule requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities, and schools be certified by EPA, and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Individuals can become certified renovators by taking an 8-hour training course from an EPA-approved training provider. Contractors must use lead-safe work practices and follow these three simple procedures: (1) contain the work area; (2) minimize dust; and (3) clean up thoroughly.

Resource Conservation and Recovery Act

Federal hazardous waste laws are generally promulgated under the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984. These laws provide for the "cradle to grave" regulation of hazardous wastes. Any business, institution, or other entity that generates hazardous waste is required to identify and track its hazardous waste from the point of generation until it is recycled, reused, or disposed of. DTSC is responsible for implementing the RCRA program as well as California's own hazardous waste laws, which are collectively known as the Hazardous Waste Control Law. Under the Certified Unified Program Agency program, the California Environmental Protection Agency (CalEPA) has in turn delegated enforcement authority to the County of San Diego Department of Environmental Health (DEH) for regulating hazardous waste producers or generators.

Robert T. Stafford Disaster Relief and Emergency Assistance Act

Code of Federal Regulations Sections 206.31–206.48 provide the statutory framework for a presidential declaration of an emergency or a declaration of a major disaster. Such declarations open the way for a wide range of federal resources to be made available to assist in dealing with an emergency or major disaster. The Stafford Act structure for the declaration process reflects the fact that federal resources under this act supplement state and local resources for disaster relief and recovery. Except in the case of an emergency involving a subject area that is exclusively or preeminently in the federal purview, the governor of an affected state, or acting governor if the governor is not available, must request such a declaration by the president.

Risk Assessment and Regional Screening Levels

EPA and DTSC use risk assessments to characterize the nature and magnitude of health risks to humans and ecological receptors from chemical contaminants and other stressors that may be present in the environment. In general terms, risk depends on the following three factors: how much of a chemical is present in an environmental medium (air, soil, water), how much contact (exposure) a person or ecological receptor has with the contaminated environmental medium, and the inherent toxicity of the chemical. EPA developed Regional Screening Levels (RSLs), which provide a unified set of screening level/preliminary remediation goals for all regions of EPA for screening chemical contaminants at superfund sites. The RSLs replaced the Preliminary Remediation Goals in 2008. The RSLs are calculated using the latest toxicity

values, default exposure assumptions and physical and chemical properties. The RSLs are considered by EPA to be protective for humans (including sensitive groups) over a lifetime. Under most circumstances, the presence of a chemical in soil, soil gas, or indoor air at concentrations below the corresponding RSLs can be assumed to not pose a significant health risk to people who may live (residential RSLs) or work (commercial/industrial RSLs) at the site. The EPA RSL tables were most recently updated in November 2022.

The DTSC Human and Ecological Risk Office (HERO) incorporated the EPA RSLs into the HERO human health risk assessment. The HERO review of the EPA RSLs determined that the revised RSLs included some levels that were substantially higher, and therefore less protective, than the previous Preliminary Remediation Goals. HERO therefore created Human Health Risk Assessment Note 3, which incorporates HERO recommendations and DTSC-modified screening levels based on review of the EPA RSLs. The DTSC-modified screening levels should be used in conjunction with the EPA RSLs to evaluate chemical concentrations in environmental media at California sites and facilities. HERO Note 3 was most recently updated in June 2020.

State

California Environmental Quality Act

CEQA (California Public Resources Code, Section 21000 et seq.) and the CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Emergency Services Act

The California Emergency Services Act was adopted to establish the state's role and responsibilities during human-made or natural emergencies that result in conditions of disaster and/or extreme peril to life, property, or the resources of the state. The California Emergency Services Act is intended to protect health and safety by preserving the lives and property of the people of the state. The Office of Emergency Services coordinates the responses of other agencies, including EPA, California Highway Patrol, RWQCBs, air quality management districts, and county disaster response offices.

California Fire Code

The California Fire Code (CFC) is provided in California Code of Regulations Title 24, Chapter 9. It was created by the California Building Standards Commission and is based on the IFC. The CFC is the primary means for authorizing and enforcing procedures and mechanisms to ensure the safe handling and storage of any substance that may pose a threat to public health and safety. The CFC regulates the use, handling, and storage requirements for hazardous materials at fixed facilities. The CFC and the California Building Code use a hazard classification system to determine what protective measures are required to protect fire and life safety. These measures may include construction standards, separation from project site lines, and specialized equipment. To ensure that these safety measures are met, the CFC employs a permit system based on hazard classification. The CFC is updated every 3 years.

California Natural Disaster Assistance Act

The California Natural Disaster Assistance Act provides financial aid to local agencies to assist in the permanent restoration of public real property, other than facilities used solely for recreational purposes, when such real property has been damaged or destroyed by a natural disaster. The California Natural Disaster Assistance Act is

activated after a local declaration of emergency, after the California Emergency Management Agency gives concurrence with the local declaration, or after the Governor issues a proclamation of a state emergency. Once the California Natural Disaster Assistance Act is activated, local government is eligible for certain types of assistance, depending upon the specific declaration or proclamation issued.

California State Fire Plan

The 2010 California State Fire Plan was the first statewide fire plan developed in concert between the California Board of Forestry and Fire Protection and the California Department of Forestry and Fire Protection (CAL FIRE). This Plan was updated in the 2018 Strategic Fire Plan for California. The central goals of the California State Fire Plan include (1) improve the availability and use of consistent, shared information on hazard and risk assessment; (2) promote the role of local planning processes, including general plans, new development, and existing developments, and recognize individual landowner/homeowner responsibilities; (3) foster a shared vision among communities and the multiple fire protection jurisdictions, including county-based plans and community-based plans such as Community Wildfire Protection Plans; (4) increase awareness and actions to improve fire resistance of man-made assets at risk and fire resilience of wildland environments through natural resource management; (5) integrate implementation of fire and vegetative fuels management practices consistent with the priorities of landowners or managers; (6) determine and seek the needed level of resources for fire prevention, natural resource management, fire suppression, and related services; and (7) implement needed assessments and actions for post-fire protection and recovery

Emergency Response to Hazardous Materials Incidents

California has developed an Emergency Response Plan to coordinate emergency services provided by federal, state, and local government, and private agencies. The Emergency Response Plan is administered by the California Emergency Management Agency and includes response to hazardous materials incidents. The California Emergency Management Agency coordinates the response of other agencies, including CalEPA, California Highway Patrol, California Department of Fish and Wildlife, the RWQCBs, San Diego Air Pollution Control District, City of San Diego Fire Department, and the DEH Hazardous Incident Response Team.

Cortese List

The Hazardous Waste and Substance Sites Cortese List is a planning document used by the state, local agencies, and developers to comply with CEQA requirements in providing information about the location of hazardous materials release sites. Government Code Section 65962.5(a) requires CalEPA to develop at least annually an updated Cortese List. DTSC is responsible for a portion of the information contained in the Cortese List. Other state and local government agencies are required to provide additional hazardous materials release information for the Cortese List.

Hazardous Materials Release Response Plans and Inventory

Two programs found in California Health & Safety Code Chapter 6.95 are directly applicable to the CEQA issue of risk due to hazardous substances release: the Hazardous Materials Business Plan program and the CalARP program. In the San Diego region, DEH is responsible for implementing the Hazardous Materials Business Plan and CalARP programs, which provide threshold quantities for regulated hazardous substances. When the indicated quantities are exceeded, a Hazardous Materials Business Plan or Risk Management Plan is required pursuant to the regulation. Congress requires EPA Region 9 to make Risk Management Plan information available to the public through EPA's Envirofacts Data Warehouse. The Envirofacts Data Warehouse is considered the single point of access to select EPA environmental data.

Senate Bill 1889 – Accidental Release Prevention Law/CalARP Program

Senate Bill 1889 required California to implement a new federally mandated program governing the accidental airborne release of chemicals promulgated under Section 112 of the Clean Air Act. Effective January 1, 1997, the Accidental Release Prevention Law/CalARP replaced the previous California Risk Management and Prevention Program and incorporated the mandatory federal requirements. CalARP addresses facilities that contain specified hazardous materials (known as regulated substances) that if involved in an accidental release, could result in adverse off-site consequences. CalARP defines regulated substances as chemicals that pose a threat to public health and safety or the environment because they are highly toxic, flammable, or explosive.

State Fire Regulations

State fire regulations are set forth in Sections 13000 et seq. of the California Health and Safety Code, and include regulations concerning building standards (as also set forth in the CBC), fire protection and notification systems, fire protection devices such as extinguishers and smoke alarms, high-rise building and childcare facility standards, and fire suppression training. The State Fire Marshal enforces these regulations and building standards in all state-owned buildings, state-occupied buildings, and state institutions throughout California.

Title 22 of the California Code of Regulations and Hazardous Waste Control Law, Chapter 6.5

DTSC regulates the generation, transportation, treatment, storage and disposal of hazardous waste under RCRA and the California Hazardous Waste Control Law. Both laws impose "cradle to grave" regulatory systems for handling hazardous waste in a manner that protects human health and the environment. CalEPA has delegated some of its authority under the Hazardous Waste Control Law to county health departments and other Certified Unified Program Agencies, including the DEH.

Underground Storage Tank Act

The Underground Storage Tank Act monitoring and response program is required under Chapter 6.7 of the California Health & Safety Code and Title 23 of the California Code of Regulations. The program was developed to ensure that facilities meet regulatory requirements for design, monitoring, maintenance, and emergency response in operating or owning underground storage tanks. DEH is the administering agency for this program in the project area.

California Occupational Safety and Health Administration

Cal/OSHA is the primary agency responsible for worker safety in the handling and use of chemicals in the workplace. Cal/OSHA standards are required to be "as effective as" federal regulations. The employer is required to monitor worker exposure to listed hazardous substances and notify workers of exposure (8 CCR 330 et seq.). The regulations specify requirements for employee training, availability of safety equipment, accident prevention programs, and hazardous substance exposure warnings. The employer is also required, among other things, to have an Illness and Injury Prevention Program.

Cal/OSHA Asbestos and Carcinogen Unit

Cal/OSHA Asbestos and Carcinogen Unit enforces asbestos standards in construction, shipyards, and general industry. This includes identification and removal requirements of asbestos in buildings, as well as health and safety requirements of employees performing work under the Asbestos-In-Construction regulations (8 CCR 1529). Only a Cal/OSHA-Certified Asbestos Consultant can provide asbestos consulting (as defined by the Business and

Professions Code, 7180–7189.7, and triggered by the same size and concentration triggers as for registered contractors). These services include building inspection, abatement project design, contract administration, supervision of site surveillance technicians, sample collection, preparation of asbestos management plans, and clearance air monitoring.

California Department of Public Health

The California Department of Public Health enforces lead laws and regulations related to the prevention of lead poisoning in children, prevention of lead poisoning in occupational workers, accreditation and training for construction-related activities, lead exposure screening and reporting, disclosures, and limitations on the amount of lead found in products. Accredited lead specialists are required to find and abate lead hazards in a construction project and to perform lead-related construction work in an effective and safe manner.

Local

San Diego County of Department of Environmental Health

The DEH protects public health and safeguards environmental quality, educates the public to increase environmental awareness, and implements and enforces local, state, and federal environmental laws. The DEH regulates the following: retail food safety; public housing; public swimming pools; small drinking water systems; mobile-home parks; on-site wastewater systems; recreational water; oversight and cleanup of aboveground storage tanks and underground storage tanks; and medical and hazardous materials and waste.

County of San Diego Office of Emergency Services

The Unified San Diego County Emergency Services Organization has primary responsibility for preparedness and response activities, and addresses disasters and emergency situations within the unincorporated area of the County of San Diego (County). The County of San Diego Office of Emergency Services serves as staff to the Unified Disaster Council, the governing body of the Unified San Diego County Emergency Services Organization. Emergency response and preparedness plans include the Operational Area Emergency Response Plan and the County Multi-Jurisdictional Hazard Mitigation Plan.

San Diego Air Pollution Control District

Under Regulation XI, Subpart M – National Emission Standards for Asbestos, Rule 361.145 – Standard for Demolition and Renovation, the San Diego Air Pollution Control District requires that the proponent of a proposed demolition or renovation project submit an Asbestos Demolition or Renovation Operational Plan ("Notice of Intention") at least 10 days prior to the onset of any asbestos stripping or removal work. It should be noted that the Notice of Intention is required for all demolition projects, regardless of the presence of asbestos.

Multi-Jurisdictional Hazard Mitigation Plan

The Multi-Jurisdictional Hazard Mitigation Plan includes an overview of the risk assessment process, vulnerability assessments, and identifies hazards present in each jurisdiction of the County. Hazards profiled in the plan include wildfire, structure fire, flood, coastal storms, erosion, tsunami, earthquakes, liquefaction, rain-induced landslide, dam failure, hazardous materials incidents, nuclear materials release, and terrorism. The plan sets forth a variety of objectives and actions based on a set of broad goals including the following: (1) promoting disaster-resistant future development; (2) increased public understanding and support for effective hazard mitigation; (3) building

support of local capacity and commitment to become less vulnerable to hazards; (4) enhancement of hazard mitigation coordination and communication with federal, state, local and tribal governments; and (5) reducing the possibility of damage and losses to existing assets, particularly people, critical facilities or infrastructure, and County-owned facilities, due to dam failure, earthquake, coastal storm, erosion, tsunami, landslides, floods, structural fire/wildfire, and human-made hazards.

San Diego County Site Assessment and Mitigation Program

The DEH maintains the Site Assessment and Mitigation list of contaminated sites that have previously or are currently undergoing environmental investigations and/or remedial actions. The San Diego County Site Assessment and Mitigation Program has a primary purpose to protect human health, water resources, and the environment within the County by providing oversight of assessments and cleanups in accordance with the California Health and Safety Code and the California Code of Regulations. The Site Assessment and Mitigation Program's Voluntary Assistance Program also provides staff consultation, project oversight, and technical or environmental report evaluation and concurrence (when appropriate) on projects pertaining to properties contaminated with hazardous substances.

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policies regarding hazards and hazardous materials (City of Poway 1991).

Goal VII: It is the goal of the City of Poway to provide a safe and healthy environment for the residents of Poway.

Policy B – Fire Protection: The City shall maintain a high standard of fire protection services.

- **Strategy 1:** Encourage the development, implementation and public awareness of fire prevention programs.
- **Strategy 2:** Implement programs to reduce the quantity of combustible vegetative materials in the City to reduce wildland fire hazards including a brush management program subject to approval by the City.
- **Strategy 3:** Continue the use of the Weed Abatement Program and a fire buffer program along heavily traveled roads through thinning disking or controlled burning subject to air quality standards. Brush, not trees, should be cleared from both sides of major arterials.
- **Strategy 4:** The existing rows of eucalyptus trees should be trimmed periodically and combustible vegetative materials at the tree base should be periodically removed.
- **Strategy 5:** All proposed development shall satisfy the minimum structural fire protection standards contained in the adopted editions of the Uniform Fire and Building Codes; however, where deemed appropriate, the City shall enhance the minimum standards to provide optimum protection.
- **Strategy 6:** Fire protection requirements shall be expanded where structural and/or capital improvements cannot adequately protect the community from property damage or potential loss of life.
- **Strategy 7:** Study the feasibility of regulations requiring the installation of a sprinkler system at the time of construction of new residential structures, and in conjunction with expansion or substantial interior remodeling of existing structures.
- **Strategy 8:** Require fire retardant roofing materials based upon the type of construction in and outside of high fire hazard areas.
- **Strategy 9:** Enforce the fire control requirements of the City's landscape standards.

- **Strategy 10:** In order to minimize fire hazards, the Poway Fire Department shall routinely be involved in the review of development applications. Consideration shall be given to adequate emergency access, driveway widths, turning radii, fire hydrant locations and needed fire flow requirements.
- **Strategy 11:** Advocate and support State legislation which would provide tax incentives encouraging the repair or demolition of structures which are classified as high fire hazards.
- **Strategy 12:** The construction of public facilities and transportation corridors shall be consistent with the adopted standards of the Uniform Building Code and Uniform Fire Code.
- **Strategy 13:** Fire stations shall be located on or near arterial roadways to provide for rapid response times.
- **Strategy 14:** The timing of station construction shall relate to the rise of service demand in the surrounding areas.
- **Strategy 15:** The location of stations should consider existing and projected land uses and appropriate buffering should be provided where necessary.
- **Strategy 16:** Proposed Fire Station 3 shall be located in the South Poway Business Park.
- **Strategy 17**: Emphasis on future construction and capital improvements should be toward the alleviation of deficiencies in critical risk areas.
- **Strategy 18:** Opportunities for joint-power agreement facilities and/or operations should be evaluated and pursued where practical.
- **Strategy 19:** Support mutual aid agreement and communication links with the County and the other municipalities participating in the Unified San Diego County Emergency Service Organization.

Policy G – Hazardous Waste Management: The City supports the San Diego County Hazardous Waste Management Plan and seeks its implementation by encouraging waste minimization, proper disposal of household hazardous wastes and by establishing criteria for land use decisions regarding hazardous waste treatment facility siting.

- **Strategy 1:** Encourage businesses to conduct waste minimization opportunity assessments to determine their potential for source reduction and recycling and to achieve the County-wide goal of 30 percent reduction in hazardous waste by 1994.
- **Strategy 2:** Investigate the adoption of an ordinance to require businesses to prepare submit and implement hazardous waste minimization plans.
- **Strategy 3:** Consider establishing a reward program to recognize businesses that implement waste minimization successfully and conducting a media campaign designed to recognize these businesses.
- **Strategy 4:** Encourage safe and proper disposal of household hazardous waste; comply with Integrated Waste Management Act requirements of no Household Hazardous Waste to landfills by 1995.
- **Strategy 5:** Continue to encourage district collection events and seek an appropriate location to establish a permanent community collection center Contaminated Sites.
- **Strategy 6:** Seek to ensure timely and complete cleanup of contaminated sites.
- **Strategy 7:** The siting criteria of the San Diego County Hazardous Waste Management Plan are incorporated into the Poway General Plan by reference and shall be used to determine acceptable locations and conditions for off-site hazardous waste treatment facilities.
- **Strategy 8:** Ensure that off-site hazardous waste treatment facilities are subject to complete and thorough local review.
- **Strategy 9:** Encourage the coordination of facility siting responsibilities among Southern California's local governments through adoption and implementation of the Southern California Hazardous Waste Management Authority Regional Plan Fair Share Policies and Regional Action Plan

City of Poway Municipal Code

Chapter 15.24 of the City's Municipal Code (City of Poway 2022a) outlines the Fire Code, which provides for the preparation and carrying out of plans for the protection of persons and property within the City in the event of an emergency. It also discusses the building standards for residential and commercial structures within high fire severity zones.

Chapter 8.88 of the City's Municipal Code discusses the acceptable use and abatement of hazardous materials, vegetation, defensible space, and waste. The purpose and findings of this section declare that (City of Poway 2022b):

- The City of Poway is at serious risk of wildfire due to its terrain, with steep mountainous slopes and valleys; a warm, dry climate; and highly flammable chaparral vegetation. For this reason, a comprehensive strategy for reducing the risk of wildfire is necessary. This strategy includes the creation of defensible space by clearing highly flammable chaparral vegetation around structures, and the Vegetation Management Program, involving the removal of weeds and dry grasses from private property.
- The public health and safety are also threatened by the accumulation of waste material that is left out in the open, such as rubbish, crates, cartons, metal and glass containers, and vehicle bodies and parts. This chapter also provides for the abatement of accumulated waste material that has been determined to be a public nuisance.
- Hazardous substances and hazardous wastes present in the community may pose acute and chronic health hazards to individuals who live and work in the City, and who are exposed to such substances as a result of fires, spills, industrial accidents, or other types of releases or emission.
- The people who live and work in the City have a right and need to know of the use and potential hazards of hazardous materials.
- Basic information on the location, type, quantity and the health risks of hazardous materials used, stored, or disposed of in the City is not now available to firefighters, health officials, health care providers, planners, elected officials, and residents.
- It is the intent of the City Council that this section through PMC [Poway Municipal Code] 8.88.130 recognize the community's right and need for basic information on the use and disposal of hazardous materials in the City and that it establish an orderly system for the provision of such information including appropriate education and training for use of information.
- It is further the intent of the City Council that the system of disclosure set forth through PMC 8.88.130 shall provide the information essential to firefighters, health officials, health care providers, planners, elected officials and residents in meeting their responsibilities for the health and welfare of the community in such a way that the statutory privilege of trade secrecy is not abridged. (Ord. 94 § 1, 1983; Ord. 29 § 1, 1981; CC § 68.641)
- It is the intent of the City Council that the Health Officer establish a program to monitor establishments where hazardous wastes are produced, stored, handled, disposed of, treated or recycled. It is further the intent of the City Council that the Health Officer provide health care information and other appropriate technical assistance on a 24-hour basis to emergency responders in the event of a hazardous waste incident involving community exposure. (Ord. 95 § 2, 1983; Ord. 29 § 1, 1981; CC § 68.901)

City of Poway Landscape and Irrigation Design Manual

The City's Landscape and Irrigation Design Manual provides for the requirements for the establishment of irrigation systems for the purpose of providing consistency with the City's General Plan and Municipal Code.

Section 4 of the manual, Vegetative Fuel Management in Very High Fire Hazard Areas, establishes the following requirements for the City (City of Poway 2018):

1. Vegetative Fuel Management Plans

   Plans shall be approved prior to fuel modification work. Plans shall be based on site plans and grading plans showing elevation contours (slopes). Plans shall indicate the widths of the fuel modification zones on the site, including slopes. Plans shall include, at a minimum: (1) plan showing existing vegetation; and, (2) grading plans showing location of proposed structures and setback from top of slope to all structures.

2. Fuel Modification Installations

   All fuel modification work shall be completed prior to the final inspection for issuance of a certificate of occupancy.

3. Plant Selection and Removal

   Plant lists at the end of this Section (Tables 4-1 and 4-2) suggest species that should be avoided or removed, and are acceptable fire-resistant species. Prior to removal of vegetation, consult a qualified professional landscape architect or biologist to identify desirable native plants to remain. Removal of native trees, as outlined in Chapter 12.32 PMC, URBAN FORESTRY, requires a separate Tree Removal Permit from the City. Native tree species are defined in the City of Poway Urban Forestry Ordinance.

4. Tree Pruning

   1.1 Native trees to be retained within fuel modification zones shall be pruned to maintain a vertical separation of not less than six (6) feet above underlying groundcover. If shrubs are located underneath the drip line of a tree, the lowest branch should be at least three times as high as the understory shrubs or 10 feet, whichever is greater. Pruning of the shrubs and groundcover will minimize the impact of the tree pruning.

   1.2 Trees shall not be topped, as defined in the City of Poway Urban Forestry Ordinance.

   1.3 Tree pruning work shall be in accordance with the standards of the International Society of Arboriculture (ISA), Western Chapter. Refer to Section Four, Landscape Planting Requirements, herein for pruning standards.

City of Poway Habitat Conservation Plan/Natural Community Conservation Plan

Section 6.2.2.1 of the Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan (Poway Subarea HCP/NCCP) (City of Poway 1996) provides for management strategies for the prevention of wildfires. Fire management can focus on two potentially different objectives: (1) achievement of biological resources goals, and (2) hazard reduction for humans and their property. Biological resources goals recognize that fire is a natural process in ecosystems. These goals include maintaining or restoring specific species; rejuvenating vegetation communities; creating vegetation mosaics that favor increased animal species diversity; providing habitat for species characteristic of early post-fire landscapes; and controlling exotic plant species invasions. Fire management can also affect restoration of disturbed habitats and site hydrology, which will directly impact habitat value for wildlife. Fire management for human hazard reduction involves reducing fuel loads in areas where fire may threaten human safety or property, and suppressing fires once they have started. Provision for access of fire suppression equipment and personnel is important to achieving safety goals.

4.8.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts related to hazards and hazardous materials are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to hazards and hazardous material would occur if the project would:

1. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.
2. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.
3. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.
4. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as result, would it create a significant hazard to the public or the environment.
5. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.
6. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.

4.8.4 Impacts Analysis

Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Construction

Construction of the proposed project would entail demolition of existing residences and the routine transport of materials potentially hazardous to humans, wildlife, and sensitive environments. These materials include gasoline oil, solvents, cleaners, paint, and various other liquids and materials required for the operation of construction equipment. These materials would be used and stored in designated construction staging areas within the boundaries of the project site, and once the proposed project has been constructed, any remaining materials would be transported off site. These materials would be transported, handled, and disposed of in accordance with all applicable federal, state, and local laws and regulations pertaining to the management and use of hazardous materials. These regulations include the Federal Chemical Accident Prevention Provisions (CFR Part 68); California Highway Patrol and California Department of Transportation container and licensing requirements for transportation of hazardous waste on public roads; the International Fire Code; the Resource Conservation and Recovery Act of 1976, as amended by the Hazardous and Solid Waste Amendments of 1984; California's Hazardous Waste Control Law; the California Fire Code; California Health and Safety Code Hazardous Materials Release Response Plans and Inventory; the California Integrated Waste Management Act; regulations developed by California Occupations Safety and Health Administration; and the state Hazardous Waste Control Act. Consequently, use of these materials for their intended purpose would not pose a significant risk to the public or environment. Therefore, potential impacts related to the routine transport, use, or disposal of hazardous materials during project construction is determined to be **less than significant**.

Operational

The operational phase of the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The proposed project involves residential dwellings with associated landscaping. Residential uses are not typically associated with the transport, use, or disposal of hazardous materials. Household goods used by residential homes that contain toxic substances are usually low in concentration and small in amount. Therefore, there is no significant risk to humans or the environment from the use of such household goods. Residents are required to dispose of household hazardous waste, including pesticides, batteries, old paint, solvents, used oil, antifreeze, and other chemicals, at a Household Hazardous Waste Collection Facility. The transport, use, and disposal of hazardous materials are fully regulated by EPA, State of California, San Diego County, and/or the City. With mandatory regulatory compliance, potential hazardous materials impacts associated with long-term operation of the project would be **less than significant**.

Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Construction

As mentioned above, the potential materials used during the proposed project construction phase may be deemed hazardous; however, the proposed project would be required to follow all federal, state, and local policies regarding the use, transportation, and removal of these products. Additionally, in the event of a reasonably foreseeable upset and accident regarding the release of hazardous materials, procedures and policies would be followed to remove the materials in a safe and timely manner. As described above, the project would be required to comply with all standards required through federal, state, county, and municipal regulations, in addition to project-specific plans review by the City, which would ensure potential impacts related to hazardous materials would be **less than significant**.

Operational

The project would be limited to single family residences and open space uses, which are not typically characteristic of generating, releasing, or using large amounts of hazardous materials. During operations of the project, the only hazardous materials anticipated for transport, use, or disposal are routinely used household products such as cleaners, paint, solvents, motor oil/automotive products, batteries and garden maintenance products. The use, handling, and disposal of these products are addressed by household hazardous waste programs that are part of the IWMP of the County of San Diego, and therefore the project is not expected to create a significant hazard to the public or environment through hazardous upsets or accidents. For these reasons, the project is not expected to result in potential upset and accident conditions involving release of hazardous materials in the environment; and impacts from a foreseeable upset would be **less than significant**.

Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

A Montessori preschool, Montessori Center of San Diego, is located approximately 0.1 miles east of the project site. No other schools are located or proposed within 0.25 miles of the project site. Thus, the project site is within 0.25 miles of the elementary school and analysis is provided below.

Construction Impacts

Appendix H identified no evidence of recognized environmental conditions (RECs) at the project site. As described above, construction of the proposed project would entail demolition of existing residences and the routine transport of materials including gasoline oil, solvents, cleaners, paint, and various other liquids and materials required for the operation of construction equipment. Construction activities would comply with the above requirements such as Cal/OSHA requirements, the Hazardous Waste Control Act, CalARP Program, and the California Health and Safety Code. Compliance with these requirements is mandatory and would minimize the potential for an accidental release of hazardous materials; therefore, impacts to schools as a result of project implementation is determined to be **less-than-significant**.

Operational Impacts

Once operational, hazardous materials associated with the residential dwellings and associated landscape, would be limited to private use of routinely used household products such as cleaners, paint, solvents, motor oil/automotive products, batteries and garden maintenance products. Although the proposed project would introduce dwelling units to the site resulting in an increased use of commercially available potentially hazardous materials, the use of these substances would be subject to all applicable federal, state, and local health and safety laws and regulations that are intended to minimize health risk to the public associated with hazardous materials.

Although the project site is within 0.25 miles of a school, by following federal, state, and local policies regarding hazardous waste transportation and removal during operation, as well as the localized private nature of hazardous waste during operation, the proposed project would have a **less-than-significant** impact on the existing school, Montessori Center of San Diego.

Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

A Phase I and Phase II Environmental Site Assessment (ESA) analyzed the existing hazards on the project site. As discussed in Appendix H, the project site was not listed on any standard federal, state, and local databases, regarding the use, storage, disposal or release of hazardous substances including. Additionally, Appendix H identified no evidence of RECs at the project site. Given that the project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, impacts would be **less than significant.**

For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

The closest airport to the project site is the Marine Corps Air Station Miramar, which is located approximately 7.07 miles southwest of the project site and is not located within a review area for the Airport Land Use Compatibility Plan for the Air Station. Therefore, this **no impact** would occur.

Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

The City of Poway is a participant in the Multi-Jurisdictional Hazard Mitigation Plan for San Diego County (County of San Diego 2018), the San Diego County Emergency Operations Plan (County of San Diego 2022). The County's Multi-Jurisdictional Hazard Mitigation Plan is a countywide plan that identifies risks and ways to minimize damage by

natural and manmade disasters. The plan is a comprehensive resource document that serves many purposes such as enhancing public awareness, creating a decision tool for management, promoting compliance with state and federal program requirements, enhancing local policies for hazard mitigation capability, and providing inter-jurisdictional coordination. The project would not impair implementation of the Multi-Jurisdictional Hazard Mitigation Plan.

As described in Section 4.12, Population and Housing, project implementation would result in an increase of people at the project site. The increased people at the project site would result in an increase in the number of people evacuating in the case of an emergency. The proposed project site is divided by Oak Knoll Road. The northern portion of the project site would have two access points via Oak Knoll Road and Roca Grande Road. The southern portion of the site would be accessible via Oak Knoll Road. PFD has necessary turnarounds and turnouts for fire apparatus access roads within the project area to provide access to all structures—all of which conform to the required diameter for turnarounds and turnouts. All new roads in the City—including any that would be constructed as part of the proposed project—must follow PFD's protocol to ensure adequate emergency access (PFD 2013).

Based on the simulations in the evacuation plan, evacuation traffic generated by the project would only increase the total evacuation travel time by less than 5 minutes. With proper and effective evacuation manager and traffic control personnel, evacuation flow is anticipated to be able to be efficiently managed (Appendix R).

Overall, the project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts are determined to be **less than significant**.

Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

The project would introduce additional people and structures to the project site as part of the residential development of the project. The project site is mostly developed, relatively flat, and surrounded by existing residential and commercial development. The project site is not located in a VHFHSZ. As described in Section 4.17, Wildfire, due to the existing development on and surrounding the project site, the project site does not feature factors that would exacerbate wildfire risk and preliminary site plans and emergency access for the project will be reviewed by the PFD. Impacts related to exposing people or structures to wildland fires would be **less than significant**.

4.8.5 Cumulative Impacts

The geographic scope of the cumulative impact analysis for hazards and hazardous materials is limited to projects within the City limits (see Table 3-2, Cumulative Projects). Cumulative impacts related to hazards and hazardous materials would result from projects within the City that combine and increase exposure to hazards and hazardous materials. Cumulative projects with the potential to increase exposure include Meridian Poway and Poway Road Mixed Use.

Hazardous Materials

Hazardous soils, underground storage tanks, and other existing sources of hazardous materials are generally site specific and handled on a project-by-project basis. The cumulative projects identified in Table 3-2 would be expected to have little effect on the exposure to, or the chances of, release of hazardous materials because proposed land uses associated with the cumulative projects do not typically involve large quantities of potentially hazardous materials. Further, cumulative projects would be required to comply with all applicable federal, state, and local standards regarding the handling, use, transportation, storage, and disposal of hazardous materials, which are intended to minimize the risk to public health and the environment. As described above, the proposed project would have less than significant impacts related to exposure of hazardous materials. Impacts related to the transportation,

use, or storage of hazardous materials or related to a hazardous materials site would be **less than significant and not cumulatively considerable.**

Schools

The potential to handle or emit hazardous materials within 0.25 miles of a school is generally site specific. The proposed project would not result in construction or operational impacts to Montessori Center of San Diego due to existing federal, state, and local policies in place for the handling, storage, and transport of these materials. Finally, none of the cumulative projects identified in Table 3-2 are within 0.25 miles of Montessori Center of San Diego. Therefore**, the impact on schools would be less than significant and not cumulatively considerable**.

Airport Hazards

The project site is not located within an ALUCP review area. Any cumulative projects would be required to comply with all applicable ALUCP standards if they are located within a review area for the ALCUP. Therefore, the impact on exposure to airport hazards **would be less than significant and not cumulatively considerable**.

Emergency Response/Emergency Evacuation Plans

Cumulative projects within the City would be required to comply with applicable emergency response and evacuation policies outlined in regulations such as the Federal Response Plan, the California Emergency Services Act, local fire codes, and regional/jurisdictional emergency response and evacuation plans. The Due to existing regulations, cumulative projects would not result in a significant cumulative impact associated with the implementation of emergency response and evacuation plans. The proposed project's construction would take place entirely on the project site, and existing access for emergency service providers would be maintained during the entire construction phase. Thus, the proposed project **would not contribute to a cumulative impact** to emergency response plans or emergency evacuation plans.

Wildland Fires

The potential for wildland fires resulting in the loss of life or property is generally unique to each site. All cumulative projects are subject to the fire codes and regulations. Any project in a given area cannot be approved unless it is determined to meet the fire codes (e.g., fire retardant roof materials, increased setbacks, fire sprinklers on structures) and regulations for the fire authority having jurisdiction over the cumulative projects. Additionally, cumulative projects identified in Table 3-2, similar to the project, are also redevelopment projects surrounded by development. The project site has been previously developed, and is located in an area surrounded by residential uses. Due to the low fire risk at the project site **cumulative impacts from wildland fires would be less than significant.**

4.8.6 Mitigation Measures

Implementation of the proposed project would not result in significant impacts related to hazards and hazardous materials. Therefore, no mitigation would be required.

4.8.7 Level of Significance after Mitigation

As previously stated, all potential impacts related to hazards and hazardous materials from the proposed project would be **less than significant**, and no mitigation would be required.

4.9 Hydrology and Water Quality

This section describes the existing hydrology and water quality conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. This analysis is based on the review of existing resources; technical data; applicable laws, regulations, and guidelines; as well as the following technical reports prepared for the proposed project:

- Preliminary Drainage Study for Harmon Oaks, prepared by Hunsaker & Associates in June 2022 (revised November 2022 and September 2023), included as Appendix I to this environmental impact report [EIR]
- Priority Development Project – Stormwater Quality Management Plan, prepared by Hunsaker & Associates in June 2022 (revised September 2023), included as Appendix J to this EIR

4.9.1 Existing Conditions

Hydrology and Stormwater Systems

Regional

The City of Poway (City) is located within two watershed areas: Los Peñasquitos Watershed, which covers 61.7% of the City, and San Dieguito Watershed, which covers the remaining area. The project site and surrounding City area are within a subwatershed (i.e., Los Peñasquitos Creek) of the Los Peñasquitos Watershed.

The Los Peñasquitos Watershed drains an area of approximately 94 square miles in central San Diego County (County) (City of Poway 2022). The Los Peñasquitos Watershed Management Area (WMA) includes portions of the cities of San Diego, Poway, and Del Mar; a small portion of the County (in the eastern headwaters area); and several major transportation corridors maintained by the California Department of Transportation (Caltrans) (City of Poway 2022). The City has the second largest jurisdictional land area within the WMA (15,441 acres, compared to the City of San Diego's 41,548 acres) (City of Poway 2022). More than 50% of the WMA has been developed, which has altered many of the natural vegetative communities (City of Poway 2022). The WMA's floodplain and tributaries are mostly developed and urbanized, and stormwater runoff and sediment are largely conveyed through channelized east-to-west trending paths (toward the Los Peñasquitos Lagoon) (City of Poway 2022). Waters from the WMA, including Poway Creek, a tributary of Los Peñasquitos Creek, eventually discharge into the Pacific Ocean in an area just south of City of San Diego's boundary with the City of Del Mar (City of Poway 2022).

The City Department of Public Works Storm Water and Flood Control Division manages and maintains the stormwater drain lines within the City to collect stormwater runoff and help prevent flooding of developed areas. City facilities include 9 miles of concrete channels, 44 box culverts, 64 miles of storm pipe (12 inches to 72 inches in diameter), 105 miles of open channels (4 feet to 100 feet in width), and 1,400 drop inlets (i.e., storm drains) (City of Poway 2023a).[1]

[1] Drop inlets (also referred to colloquially as storm drains) can include both catch basins and inlets. These facilities are drainage features, which typically present superficially as grates along roadways or sidewalks. On the subsurface level, the difference between a catch basin and an inlet is that the catch basin has a sump for collection of silt and debris.

Project Area

The existing project site drainage conditions and drainage boundary are illustrated in Figure 4.9-1, Existing Hydrology Map. The project site's drainage area is approximately 14 acres and includes vegetative cover, non-vegetated pervious areas (i.e., the gravel storage yard/staging area), and impervious areas, including four existing residences with impervious driveways/walkways and the east-west trending Oak Knoll Road, which bisects the project site to the south. The imperviousness of the project site drainage area is approximately 19% (Appendix I). A segment of Poway Creek (a vegetated channel running in an east-west direction) is present along the southwestern border of the project site (south of Oak Knoll Road). The elevation of the project site's drainage area (which includes portions of the off-site northern slope) ranges from 540 feet above mean sea level to 438 feet above mean sea level and the average slope from the northwest corner to the southwest corner is approximately 5.3% (Appendix I). Over 85% of the project site is underlain by soils with a very slow infiltration rate (i.e., thick surface Placentia sandy loam and Olivenhain cobbly loam), suggesting that infiltration best management practices (BMPs) on the project site should be avoided (Appendix J).

Runoff from the project site and adjacent area discharges locally into Poway Creek just southwest of the project site via an 8-feet-by-5-feet reinforced concrete pipe (RCP) box culvert, which runs parallel to the project site to the west. City stormwater facilities in the project vicinity are illustrated in Map 1 of Appendix I, which also identifies key project site drainage sources and inlets as numbered "nodes" (i.e., Nodes 1 through 16). As illustrated in Figure 4.9-1, the project site currently accepts stormwater drainage from the adjoining property to the north and east. Drainage from existing home sites to the east (i.e., Nodes 3 and 4) is conveyed in a by-pass storm drain system directly to the existing Oak Knoll Road system. Runoff from the northeastern (i.e., Nodes 1 and 2) and eastern portion of the drainage area is conveyed via overland flow towards Node 5. This on-site flow drops into to the City stormwater system via an existing storm drain on the north side of Oak Knoll Road, where it is captured and comingled with the off-site flows from the east. The runoff from Nodes 1 through 5 is conveyed westerly via a 36-inch RCP towards an existing storm drain on the north side of Oak Knoll Road (Node 8) located near the southwestern corner of the northern portion of the site. Runoff from the southwestern portion of the project site (Node 6 and 7) is conveyed via overland flow towards Oak Knoll Road, where it is captured and comingled with the off-site flows before dropping into the existing storm drain by Node 8. An existing 36-inch RCP carries the runoff towards Node 11, where it comingles with the captured flow from off-site areas on the southside of Oak Knoll Road (Nodes 9 and 10) before continuing westerly to Node 15 (just west of the project site). Run-on from the off-site northern slope (Nodes 12 and 13) is conveyed with the runoff from the northwestern portion of the project site via overland flow and enters the existing box culvert through the existing headwall near Node 14. The existing box culvert routes the captured flows southwesterly to Node 15, where it comingles with the discharge from the 36-inch existing storm drain on the south side of Oak Knoll Road and continues southerly to discharge into Poway Creek at Node 16 (Appendix I).

Water Quality

Stormwater runoff collected from the project site may contain high sediment loads and many types of pollutants, including oil and grease, nutrients (i.e., landscape fertilizers), pesticides, bacteria, viruses, oxygen-demanding compounds, and other trash or debris (Appendix J). To help regulate discharges to jurisdictional waters (including discharges to Poway Creek), the state's nine Regional Water Quality Control Boards (RWQCBs) issue National Pollutant Discharge Elimination System (NPDES) permits to municipalities and other agencies that discharge water via a storm drain system (identified as a Municipal Separate Storm Sewer System [MS4] permit) (City of Poway 2022). These MS4 permits, typically issued for a 5-year term, focus on actions to be taken by "Copermittees" (e.g., the City and other responsible agencies). Actions include regulation of residential and

commercial activities, new and existing development, other construction activities, facility inspections, water quality monitoring, and programs to detect and eliminate illegal discharges.

Monitoring programs required by MS4 permits are effective in characterizing the receiving waters in urban areas and the pollutants typically found in MS4 discharges. Furthermore, the permit programs developed and implemented numerous BMPs, ranging from street sweeping to public education and outreach to true source control (e.g., eliminating copper from automotive brake pads through state legislation). However, despite the implementation of program activities, impairments of beneficial uses remain in the WMA. Because the impairments exist, the San Diego RWQCB is required to review existing policies and develop new policies, such as total maximum daily loads (TMDLs). A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still safely meet water quality standards, and an allocation of that load among the various sources of the pollutant (City of Poway 2022).

The San Diego RWQCB worked closely with Copermittees (i.e., the City, together with the City of Del Mar, City of San Diego, County of San Diego) and other interested parties in the development of the most recent version of the MS4 Permit (discussed in further detail in Section 4.9.2, Relevant Plans, Policies, and Ordinances, below) to institute a new scientifically based approach to water quality management (City of Poway 2022). As required by the MS4 Permit, the City's strategy and policy direction is to reduce discharges of pollutants into the MS4 through implementation of BMPs. In 2019, the City adopted an updated Jurisdictional Runoff Management Program (JRMP), which includes implementation of BMP requirements, water quality monitoring, educational outreach, municipal maintenance procedures, and inspection and enforcement programs (City of Poway 2019). The City conducts annual storm drain facility rehabilitation and replacement projects as needed. Development projects throughout the City are required to implement site-specific storm drain improvements and contribute fees toward regional improvements (City of Poway 2022). In 2022, together with Copermittees of the MS4 Permit and Caltrans, the City prepared and adopted the updated Water Quality Improvement Plan (WQIP) for the Los Peñasquitos WMA, which identifies goals and strategies to address impairments in the quality of urban runoff waters (City of Poway 2022). The City must comply with the MS4 discharge prohibitions and receiving water limitations outlined in the MS4 Permit through timely implementation of control measures, other actions specified in the MS4 Permit, and adherence to the JRMP and WQIP (City of Poway 2022).

303(d) Listed Water Bodies and Total Maximum Daily Loads

As discussed below in further detail in Section 4.9.2, the 303(d) list is named after the section number of the CWA that established the requirements to create a list of impaired water body segments (City of Poway 2022). The Los Peñasquitos WMA has several 303(d)-listed water bodies, including Poway Creek, Los Peñasquitos Creek, Los Peñasquitos Lagoon, and the shoreline where waters from the WMA discharge into the Pacific Ocean (City of Poway 2022). Pollutants and stressors causing these impairments include indicator bacteria (e.g., fecal materials and associated pathogens), pesticides and herbicides, total dissolved solids (e.g., sulfates, phosphates, and nitrates, chlorides, and other substances), toxicity, sedimentation and siltation, and benthic community effects (City of Poway 2022).

The San Diego RWQB is required to develop TMDLs or follow an alternative regulatory process to address 303(d)-listed impairments (City of Poway 2022). Two TMDLs have been adopted in the Los Peñasquitos WMA, including a Sediment TMDL for the Los Peñasquitos Lagoon and bacteria TMDL for the Pacific Ocean Shoreline at Torrey Pines State Beach (City of Poway 2022).

Beneficial Uses

The beneficial uses of a water body are defined as "the uses of a water body necessary for the survival or well-being of man, plants, and wildlife" (City of Poway 2022). Existing beneficial uses associated with Poway Creek include Agricultural Supply, Water Contact Recreation, Noncontact Water Recreation, and Warm Freshwater Habitat (City of Poway 2022). Poor water quality still impairs some beneficial uses of surface waters in the Los Peñasquitos WMA, including Warm Freshwater Habitat uses in the Poway Creek. Warm Freshwater Habitat uses include uses of water that support warm water ecosystems, including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates (City of Poway 2022).

Groundwater

The project site is located within the Poway Valley groundwater basin (PVGB), which underlies a portion of Poway Valley in the west-central County (DWR 2023a). Bounded by impermeable rocks of the Peninsular Ranges to the west, the PVGB covers approximately 2,470 acres, approximately 92% of which lie within the City (City of Poway 2018).[2] The total storage capacity of the PVGB is estimated to be over 2,300 acre-feet (DWR 2004). Natural recharge of the PVGB is from direct precipitation on the Poway Valley floor and infiltration along Poway Creek, which flows into the PVGB from the east (DWR 2004). Groundwater in PVGB is mainly sodium chloride in character and ranges in total dissolved solids content from about 750 to 1,500 milligrams per liter (DWR 2004).

The contribution of groundwater into the WMA's MS4 through infiltration and receiving waters at areas where the groundwater table reaches surface water (i.e., rising groundwater) may be considered a non-point source for freshwater discharges (City of Poway 2022). During dry weather, bacteria may enter the MS4 or receiving waters such as Poway Creek through groundwater infiltration or irrigation runoff into municipal drainage channels (City of Poway 2022). However, the Poway Valley groundwater basin does include any coarse-grained materials that support efficient groundwater extraction and recharge. For these reasons, groundwater is not a significant water supply source for the City, and it is not used in the community water treatment and distribution system (City of Poway 2021).

As discussed in Draft EIR Section 4.6, Geology and Soils, during project site investigations conducted for the Geotechnical Investigation (provided as Appendix G of this Draft EIR), groundwater was encountered in exploratory trenches adjacent to Poway Creek and other areas of the project site at depths ranging between 6 feet and 11 feet below the ground surface (Appendix G). The groundwater encountered on the project site is "perched"[3] above where surface soils contact with the underlying Friars Formation or granitic rock (Appendix G). Groundwater levels in drainage areas on the project site can be expected to fluctuate seasonally (Appendix G). However, regarding the potential for pollutants from project site runoff to directly impact the PVGB, the project site is mostly underlain by stiff to very stiff clay soils (which have a very slow infiltration rate) and impermeable granite rock (Appendix J). Therefore, surface runoff across most of the project site has a low potential to percolate into the groundwater. The area with the highest potential for infiltration/percolation to occur on or adjacent to the project site is Poway Creek, which traverses the southernmost portion of the project site (Appendix J).

[2] The remaining 8% of the PVGB lies within the City of San Diego (City of Poway 2018).

[3] As discussed in Draft EIR Section 4.6, Geology and Soils, perched groundwater is groundwater that is separated from an underlying body of groundwater by an "unsaturated zone". On the project site, this unsaturated zone includes granite rock and Friars Formation, consisting of stiff to very stiff clay (Appendix J).

Flooding

Flood zones are areas that the Federal Emergency Management Agency (FEMA) has defined as a geographic space that has varying levels of flood risk. Flood hazard areas identified on FEMA's Flood Insurance Rate Map (FIRM) panels are identified as a Special Flood Hazard Area (SFHA). SFHAs are defined as the area that will be inundated by the flood event having a 1% chance of being equaled or exceeded in any given year (FEMA 2023). The 1% annual chance flood is also referred to as the "base flood" or "100-year flood" (FEMA 2023). The FIRM panels also identify "moderate flood hazard areas" (areas between the limits of the base flood and the 0.2% annual-chance [or 500-year] flood) and "minimal flood hazard areas" (areas outside the SFHA and higher than the elevation of 0.2% annual-chance flood). According to FEMA's FIRM panel for the project site, while most areas of the project site north of Oak Knoll Road are identified as minimal flood hazard areas, other portions of the project site are located within a 100-year SFHA or a 500-year moderate flood hazard area (i.e., Zone AE and Zone X, respectively) (FEMA 2023; Appendix I).

Dam inundation areas are downstream areas subject to flooding as a result of an uncontrolled release from an upstream reservoir, such as from breaks in levees or dams. The project site is located approximately 2.6 miles northeast of Miramar Reservoir, 4 miles southeast of the Bernardo Reservoir, 4.5 miles southwest of Lake Poway, and 6.8 miles south of Lake Hodges (DWR 2023b). According to the California Department of Water Resources (DWR) Dam Inundation Map, the project site is not located within a dam inundation area (DWR 2023b). No other lakes or large reservoirs are located in the vicinity of the project site.

The project site is located approximately 12 miles inland from the Pacific Ocean, at a minimum elevation of approximately 438 feet above mean sea level. According to the California Department of Conservation, the project site is not within a tsunami hazard Area (DOC 2022).

4.9.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Emergency Management Agency

FEMA is the primary federal agency for coordination with communities to establish effective floodplain management standards. FEMA prepares FIRM panels, which delineate the flood hazard areas and applicable risk premium zones. As discussed above in Section 4.9.1, Existing Conditions, portions of the project site are located within a 100-year SFHA or a 500-year moderate flood hazard area (i.e., Zone AE and Zone X, respectively) (FEMA 2023; Appendix I).

Under FEMA, the National Flood Insurance Program aims to reduce the impact of flooding on private and public structures by providing affordable insurance to property owners and by encouraging communities to adopt and enforce floodplain management regulations. These efforts help mitigate the effects on flooding on new and improved structures. Overall, the program reduces the socio-economic impact of disasters by promoting the purchase and retention of general risk insurance, but also of flood insurance specifically.

Clean Water Act

The Clean Water Act is the principal federal law for the regulation of water quality. The Clean Water Act includes water quality standards, discharge limitations, and required permits. The fundamental purpose of the Clean Water Act is the protection of designated beneficial uses of water resources. The 1987 amendments to the

Clean Water Act includes provisions prohibiting discharges of pollutants contained in stormwater runoff and requires many cities to obtain a NPDES permit to control urban and stormwater runoff.

Section 303(d) of the Clean Water Act defines water quality standards as consisting of both the uses of surface waters (beneficial uses) and the water quality criteria applied to protect those uses (water quality objectives). The State Water Resources Control Board (SWRCB) and the nine RWQCBs have been charged with ensuring that beneficial uses and water quality objectives are established for all waters of the state.

State

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Porter–Cologne Water Quality Control Act

This legislation establishes the responsibilities and authorities of the state's nine RWQCBs and the SWRCB. In California, all surface waters and groundwater are considered to be "waters of the state" under this Act. The nine RWQCBs are semi-autonomous and are composed of seven part-time Board members, appointed by the Governor and confirmed by the Senate. Regional boundaries are based on watersheds, and water quality requirements are based on the unique differences in climate, topography, geology, and hydrology for each watershed. Each RWQCB makes critical water quality decisions for its region, including setting standards, issuing permits (i.e., waste discharge requirements), determining compliance with those requirements, and taking appropriate enforcement actions. The project site is located with RWQCB Region 9, which includes San Diego, Imperial, and Riverside counties. SWRCB protects water quality by setting statewide policy, coordinating and supporting RWQCB efforts, and reviewing petitions that contest RWQCB actions.

Sustainable Groundwater Management Act of 2014

On September 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package 2014 (Assembly Bill 1739, Senate Bill 1168, and Senate Bill 1319) known as the Sustainable Groundwater Management Act of 2014. The legislation provides a framework for sustainable management of groundwater supplies by local authorities in high- and medium-priority alluvial basins, as designated by SWRCB. The groundwater sustainability agency, which can be a county, city, or water district, must be formed by June 30, 2017, and prepare a groundwater sustainability plan by January 31, 2022 (or January 31, 2020, for critically overdrafted basins). Each plan requires implementation measures to bring each basin into sustainability within 20 years of implementation of the plan. In San Diego County, four basins require plans, specifically the San Diego River Valley Basin, the San Pasqual Valley Basin, the San Luis Rey River Basin, and the Borrego Valley Basin (all medium-priority basins).

Geologic and soil conditions in the City are not conducive to the replenishment of the limited groundwater supply that exists. Therefore, the City has existed and grown on imported water after the establishment of the Poway Municipal Water District. However, some areas of the City are not served by the community water system.

The foothill and mountain areas of the eastern portion of the City must rely on groundwater pumped from wells to use for potable water and to irrigate agriculture (City of Poway 1991).

Construction General Permit

As stated in City Municipal Code Chapter 13.09.070-3, runoff at significant construction sites in the City are subject to any NPDES permit, and shall comply with such permit, which is SWRCB, Division of Water Quality, NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, Order No. 2022-0057-DWQ, NPDES No. CAS000002 (City of Poway 2022). This General Permit authorizes discharges of stormwater associated with construction activity so long as the dischargers comply with all requirements, provisions, limitations, and prohibitions in the permit. This General Permit authorizes discharges of pollutants in stormwater associated with construction activity to waters of the United States from construction sites that disturb 1 or more acres of land surface, or are part of a common plan of development or sale that disturbs more than 1 acre of land surface. The NPDES permit must require implementation of Best Available Technology Economically Achievable and Best Conventional Pollutant Control Technology to reduce or eliminate pollutants in stormwater runoff (SWRCB 2018).

Local

The Water Quality Control Plan for the San Diego Basin (Basin Plan)

The SWRCB carries out the regulation, protection, and administration of water quality within the state. The state is divided into nine regions for the purposes of regional administration of California's water quality control program, and each region has its own RWQCB. The Water Quality Control Plan for the San Diego Basin (Basin Plan) designates beneficial uses for water bodies in the San Diego region, and establishes water quality objectives and implementation plans to protect those beneficial uses.

Any change to the Basin Plan requires a Basin Plan Amendment. All Basin Plan amendments are subject to a full public participation and hearing process prior to adoption by the San Diego RWQCB. Basin Plan amendments also much be approved by the SWRCB, Office of Administrative Law, and in many cases, the U.S. Environmental Protection Agency. Basin Plan amendments become effective and are added to the Basin Plan document after final approval by the Office of Administrative Law and/or the U.S. Environmental Protection Agency, as applicable. State and federal laws require periodic review and update of the Basin Plan.

Municipal Separate Storm Sewer Systems Permit

On May 8, 2013, the San Diego RWQCB adopted Order Number R9-2013-0001, NPDES Permit and Waste Discharge Requirements for Discharges from the MS4 Draining the Watersheds Within the San Diego Region (MS4 Permit), establishing requirements for discharges from MS4s in the San Diego region. On February 11, 2015, the San Diego Water Board adopted Order Nos. R9-2015-0001 and R9-2015-0100 amending the MS4 Permit. The amended MS4 Permit became effective on April 1, 2015 and outlined the requirements for the establishment of watershed-based pollutant control plans known as Water Quality Improvement Plans. The WQIP for the Los Peñasquitos WMA outlines a framework to improve the surface water quality in the Los Peñasquitos WMA by identifying, prioritizing, and addressing impairments related to urban runoff discharges.

To protect and enhance local surface waters, the City implements water quality improvement and runoff management in compliance with the MS4 Permit (City of Poway 2022). The MS4 permit also required the city to enforce Chapter 13.09, Stormwater Management and Discharge Control, of the Poway Municipal Code (PMC) and implement the applicable JRMP and WQIP.

City of Poway Jurisdictional Runoff Management Program

In accordance with the MS4 Permit, each Copermittee, including the City, is required to develop a comprehensive Jurisdictional Urban Runoff Management Program (City of Poway 2022). The City developed the 2019 JRMP in response to the permit order. The City's approach to following the MS4 Permit entails reducing discharges of pollutants to the stormwater conveyance system within the City, by means of BMPs. Major components of the JRMP include the implementation of BMP requirements, water quality monitoring, educational outreach efforts, municipal maintenance procedures, and water quality monitoring procedures (City of Poway 2019).

Los Peñasquitos Watershed Management Area Water Quality Improvement Plan

Water Quality Improvement Plans are required for each Watershed Management Area under regulations adopted by the San Diego RWQCB. The Water Quality Improvement Plans address only water flows and discharges from the storm drain systems maintained by the local agencies sharing authority in each area. Other discharges and other sources of pollution are considered in the Water Quality Improvement Plan to the extent that they affect conditions in the storm drain system (City of Poway 2022).

The 2022 WQIP was prepared by the Responsible Agencies in the Los Peñasquitos WMA, as required by the MS4 Permit. The Responsible Agencies that are party to the development of WQIP are the City, City of Del Mar, City of San Diego, County of San Diego, and Caltrans (City of Poway 2022). The goal of the WQIP is to reduce pollutants and stressors in MS4 discharges to further the Clean Water Act's objective to protect, preserve, enhance, and restore the water quality and designated beneficial uses of waters of the state (City of Poway 2022). To achieve this goal, the WQIP includes structural and nonstructural solutions and strategies selected to target these highest priority water quality conditions. In addition to administrative JRMP strategies, City strategies focus on source control, such as open trash enclosures, and monitoring and reducing of the pollutant source exposure and storm water runoff at a public waste yard. Other strategies include promoting water conservation programs that improve water quality, programs to address illegal grading on private property, MS4 infrastructure maintenance, green infrastructure improvements, and strategies to address groundwater/interflow seepage (City of Poway 2022).

City of Poway Municipal Code – Chapter 13.09 – Stormwater Management and Discharge Control

The purpose of Chapter 13.09 of the PMC is to establish requirements for discharges into the stormwater conveyance system, receiving waters, and the environment, to protect the stormwater conveyance system from damage, and to meet the requirements of State and Federal law and the MS4 Permit. The chapter also states that BMPs are required for all dischargers. The following requirements regarding BMPs will apply (City of Poway 2023b):

1. Every responsible person as defined in Chapters 1.08 and 1.10 PMC undertaking any activity or use of premises that may cause or contribute to stormwater pollution or contamination, illegal discharges, or non-stormwater discharges to the stormwater conveyance system shall comply with BMP guidelines or pollution control requirements, as may be established by the authorized enforcement official. BMPs shall be maintained routinely throughout the life of the activity. Such BMPs include the minimum BMPs set forth in the BMP Manual.

2. An authorized enforcement official may require any business or operations that are engaged in activities which may result in pollutant discharges to the stormwater conveyance system to develop and implement an SWPPP [Stormwater Pollution Prevention Plan], which must include an employee training program and the applicable minimum BMPs from the BMP Manual.
3. Each discharger that is subject to any NPDES permit shall comply with all requirements of all such permits. The discharger must also make reports submitted to the RWQCB or other permitting agency, including monitoring data, available to the City upon request.
4. Parties undertaking land disturbance activities shall comply with all applicable requirements of this chapter, the BMP Manual, and Division III of PMC Title 16 (Chapters 16.40 through 16.54 PMC).
5. Parties undertaking land development and redevelopment activities shall comply with all applicable requirements of this chapter and the BMP Manual.

City of Poway Municipal Code – Division IV– Drainage and Watercourses

The purpose of PMC Division IV is to protect persons and property against flood hazards by augmenting the regulations imposed by PMC Chapters 16.40 through 16.52, applicable to subdivisions (City of Poway 2023b). In case of conflict between the regulations imposed by this division and any other provision of law or of this code, the more stringent regulation shall apply. According to PMC Section 16.58.030(D), no person shall place fill or encroachments within a floodplain that would increase the flood level or impair its ability to carry and discharge the waters resulting from the 100-year flood. Permits may be issued where the effect of the fill or encroachment on flood heights is fully offset by stream improvements. Furthermore, PMC Section 16.58.130(A) establishes that property owners in the City are responsible for the timely maintenance of any floodway on the owner's property. Failure to maintain a floodway in a safe and unobstructed condition is a violation of this section and a public nuisance (PMC Section 16.58.130[A]).

City of Poway Municipal Code – Division V– Floodplain Management

The purpose of PMC Division V is to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas (PMC Section 16.80.030). In accordance with PMC Section 16.86.0210, a development permit is required for projects within a SFHA prior to construction, encroachments, obstructions or development within any FEMA SFHA. Development standards for project activities within a SFHAs are set forth in PMC Section 16.88.010. Required standards include anchoring, construction with flood resistant materials, and other considerations related to elevation and floodproofing (PMC Section 16.88.010[A-C]). PMC Section 16.88.030[E] states that all subdivision projects in a SFHA must have adequate drainage provided to reduce exposure to flood hazards (PMC Section 16.88.030[E]).

City of Poway Municipal Code – Division VI – Standard Urban Stormwater Mitigation Plan

PMC Division VI codifies the Standard Urban Stormwater Mitigation Plan Ordinance of the City of Poway, requiring preparation of a Standard Urban Stormwater Mitigation Plan for priority development projects (PDPs) in the City. The proposed project is a new development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). As such, the proposed project is considered a PDP. In compliance with the Standard Urban Stormwater Mitigation Plan Ordinance, a Stormwater Quality Management Plan was prepared for the project and is provided as Appendix J of this Draft EIR. Appendix J describes the general strategy for the project's structural BMP implementation at the site. The selection, sizing, and design of stormwater treatment and other

source control and site design BMPS measures set forth in Appendix J were done based on the City's BMP Design Manual and the requirements of the MS4 Permit (see Appendix J of this Draft EIR for further details).

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policies and strategies regarding hydrology and water quality (City of Poway 1991):

Goal I: It is the goal of The City of Poway to preserve Poway's unique and desirable character as "The City in the Country" and to maintain high quality design and environmental standards in all new development and redevelopment.

Policy D, Grading – Necessary grading should be done so as to minimize the disturbance to the site and the environmental and aesthetic impacts.

- Strategy 1: Mass grading of custom residential subdivision lots in hillside areas is prohibited.
- Strategy 2: Grading in hillside areas shall leave rounded off natural appearing slopes and shall use a variable slope ratio instead of manicured cut and fill areas. Grading shall be limited to that required for building pad placement and for driveways and utility lines.
- Strategy 3: To the extent possible cut slopes should be concealed by the structure.
- Strategy 4: All exposed graded slopes shall be revegetated with plant materials compatible with surrounding vegetation.
- Strategy 5: Land should be graded and landscaped in workable increments to avoid exposing expanses of bared earth at any given time.
- Strategy 6: Topsoil removed during grading should be retained and replaced on the landscaped areas of the building site to minimize the grading and removal of top soil from other locations.
- Strategy 7: Long term erosion shall be controlled by vegetation replanting or erosion control materials as well as the installation of proper drainage control devices where necessary.
- Strategy 8: Soils having a high or moderate permeability capacity or rate should be left in their natural state to reduce run off and encourage groundwater recharge.

Goal IV: It is the goal of the City of Poway to preserve its natural, scenic, and cultural resources for the future benefit and enjoyment of its residents and to protect biological and ecological diversity.

Policy B, Waterways – The natural character of creeks and channels should be maintained or restored to the greatest extent possible with consideration for maintaining adequate flood protection.

- Strategy 1: Development including roads should be set back from riparian corridors a minimum distance of 50 feet or a sufficient distance as determined by a qualified biologist to avoid any damage to these areas. These riparian corridors and associated buffer areas should be designated as permanent natural open space easements and the buffer areas should be vegetated only with appropriate native species as determined by a qualified biologist or native plant horticulturist.
- Strategy 2: No activity or development shall be permitted within the watershed or viewshed of Lake Poway which would diminish water quality of the lake or its open space and recreational value.

- **Strategy 3:** Natural locations and rates of discharge into creeks and channels should not be increased without sufficient mitigation to ensure that significant alteration of the natural system will not occur.
- **Strategy 4:** The use of rip rap in stream channels shall be limited to the minimum area required to protect adjacent improvements and stream banks from excessive erosion.
- **Strategy 5:** Public access to creeks via trails paths and greenways shall be encouraged to the extent possible without negatively impacting the riparian habitat value.
- **Strategy 6**: Coordinate with other jurisdictions to monitor and maintain acceptable water quality standards in local streams.
- **Strategy 7**: Activities within the City's natural drainage systems which would adversely affect water quality (such as pesticide use construction of septic leach fields and underground storage of hazardous substances) shall be strictly regulated.
- **Strategy 8**: Substances such as hazardous wastes or untreated wastewater shall not be discharged into the City's natural water systems.
- **Strategy 9:** Urban runoff from impermeable surfaces which may be contaminated with oil grease vehicle fuels or other toxic substances shall have such contaminants substantially removed before discharge into the City's natural drainage systems. The City shall comply with the requirements of the nonpoint source urban runoff wastewater discharge permit.
- **Strategy 10**: Grading for development shall not increase the natural rate of erosion or cause siltation of stream channels.

4.9.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to hydrology and water quality are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to hydrology and water quality would occur if the project would:

1. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality.
2. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin.
3. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:
    a. result in substantial erosion or siltation on or off site;
    b. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;
    c. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or
    d. impede or redirect flood flows.
4. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation.
5. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

4.9.4 Impacts Analysis

Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

The following discussion of water quality impacts is organized into two subsections: (1) short-term construction activities and (2) long-term post-construction activities.

Construction

Proposed demolition, grading, excavation, and construction activities associated with the proposed project could create a substantial additional source of polluted runoff, which could have short-term impacts on surface water quality. Additional sources of polluted runoff as a result of project uses could include organic compounds, trash and debris, oxygen demanding substances, oil and grease, bacteria, viruses, pesticides, sediment, and nutrients (Appendix J).

Figure 4.9-2, Conceptual Grading Plan, illustrates the proposed grading concept for the project. Grading of the site respects the existing topography to the extent feasible for implementing the plan and adheres to the PMC Grading Standards. Grading for the site is balanced at 19,250 cubic yards of cut and fill to avoid export or import of dirt. Figure 4.9-3, Conceptual Cut and Fill Plan, highlights how dirt will be redistributed throughout the site. Cut and fill slopes are designed at 2:1 minimum. As illustrated in Figure 4.9-1 and discussed above in Section 4.9.1, the project site currently accepts stormwater drainage from the adjoining property to the northeast. Drainage from existing home sites to the east is currently conveyed in a by-pass storm drain system directly to the existing Oak Knoll Road system, which would not change under proposed project conditions. Proposed drainage conditions are illustrated in Figure 4.9-4, Proposed Hydrology Map.

The project site grading plan for areas north of Oak Knoll Road is designed to drain all stormwater directly onto private roadways (flowing generally northeast to southwest) and dropping into the existing City stormwater system via the drains along Oak Knoll Road (see Figure 4.9-4). Proposed grading conditions would continue to convey runoff from the southern portion of the project site (south of Oak Knoll Road) via overland flow to the existing storm drains along Oak Knoll Road. Flows from areas of the project site south of Oak Knoll Road would continue to be conveyed westerly through the existing 36-inch RCP towards the existing box culvert. As under existing conditions, all project site flows would eventually flow through the existing box culvert and discharge into Poway Creek at the existing point of connection (identified as “Node 16” in Figure 4.9-4).

Issuance of building permits for the proposed project would generally be phased along with the necessary public improvements to support the land uses. Required improvements would include water and wastewater pipelines, public and private roadways, drainage improvements, and public trail/park facilities. Clearing of the storage yard/staging areas and demolition of the existing single-family residential units and associated features would occur initially. It is assumed that site-preparation of the project site (i.e., grading, soil import, trenching for dry and wet utilities, and surface improvements) for vertical building construction would follow. Pollutants associated with construction would degrade water quality if those pollutants are washed into surface waters. Sediment is often the most common pollutant associated with construction sites because of the associated earth-moving activities and areas of exposed soil. Hydrocarbons such as fuels, asphalt materials, oils, and hazardous materials such as paints and concrete discharged from construction sites could also result in impacts downstream. Debris and trash could be washed into existing storm drainage channels to downstream surface waters. These activities could impact aquatic habitat, upland wildlife, and aesthetic land values.

Under the NPDES permit program, BMPs are mandated for construction sites in which grading would be greater than 1 acre, through preparation of Stormwater Pollution Prevention Plans (SWPPPs) in order to reduce the occurrence of pollutants in surface water. SWPPPs are submitted to RWQCB prior to ground-disturbing activities and set forth the measures that will be employed during construction to avoid runoff into surface waters. Project temporary construction BMPs would typically include the following: street sweeping, waste disposal, vehicle and equipment maintenance, concrete washout area, materials storage, minimization of hazardous materials, and proper handling and storage of hazardous materials. Typical erosion and sediment control BMPs include silt fences, fiber rolls, gravel bags, temporary desilting basins, velocity check dams, temporary ditches or swales, stormwater inlet protection, and soil stabilization measures. Implementation of these state-mandated measures, and implementation of the required SWPPP for the proposed project, would ensure that short-term impacts from construction-related activities would not violate any water quality standards or waste discharge requirements and not further contribute to water quality impacts identified in the Clean Water Act Section 303(d) List of Water Quality Limited Segments. With implementation of a SWPPP and compliance with applicable water quality requirements, runoff from the project site during construction would not adversely affect surface waters and water quality.

Operation

The existing residences, storage yard/staging area, and all other existing on-site structures would be replaced with the proposed project, as described in Chapter 3, Project Description, of this Draft EIR. The project proposes features such as single-family residences, yards, landscaped areas, driveways roadways, sidewalks, trails, and parks that could potentially result in increased pollutants from the project site. As discussed above, the project site grading plan for areas north of Oak Knoll Road is designed to drain all stormwater directly to on-site private streets (see Figures 4.9-4 and 4.9-5). Once in the street(s), stormwater would be collected by proposed catch basins and inlets and a system of private underground storm-drain pipes. These pipes would then convey the water to a series of biofiltration units and one underground vault for hydromodification that would release stormwater into the City's system via an off-site pipe connecting to a proposed storm drain on the south side of Oak Knoll Road. Proposed drainage conditions would convey runoff from the northern area of the southern portion of the project site (south of Oak Knoll Road) via overland flow towards a proposed biofiltration unit before comingling with flows in the existing 36-inch RCP and box culvert to the west. After biofiltration and/or hydromodification, all project site flows would drain into the box culvert and discharge into Poway Creek at the existing point of connection.

Hydromodification management flow control, or BMPs, would be implemented in order to reduce potential impacts to water quality proposed project BMPs are illustrated in Figure 4.9-5, Proposed Best Management Practices. As outlined and recommended in the Stormwater Quality Management Plan (Appendix J), the proposed project would implement source control BMPs, site design BMPs, and priority development project BMPs, which are outlined in Table 4.9-1.

Table 4.9-1. Hydromodification Management Flow Control Best Management Practices

No.	BMP
Source Control BMPs	
SC-BMP-1	Prevention of Illicit Discharge into the MS4 Permit Areas
SC-BMP-2	Storm Drain Stenciling or Signage
SC-BMP-6	Additional BMPs for the following areas of concern: Onsite Storm Drain Inlets, Landscape/ Outdoor Pesticide Use, Refuse Areas, Miscellaneous Drain or Wash Water, Plazas, Sidewalks, and Parking Lots.

Table 4.9-1. Hydromodification Management Flow Control Best Management Practices

No.	BMP
Site Design BMPs	
SD-BMP-1	Maintain Natural Drainage Pathways and Hydrologic Features
SD-BMP-2	Conserve Natural Areas, Soils, and Vegetation
SD-BMP-3	Minimize Impervious Areas
SD-BMP-4	Minimize Soil Compaction
SD-BMP-5	Impervious Area Dispersion
SD-BMP-6	Runoff Collection
SD-BMP-7	Landscaping with Native or Drought Tolerant Species
PDP BMPs	
PDP-BMP-1	In accordance with the City's SUWMP Ordinance, Stormwater Design Manual (i.e., BMP Manual), and MS4 Permit, a total of 11 biofiltration units (i.e., BF-3-1 through 11 in Figure 4.9-5) were sized to address the water quality requirements of the proposed project to discharge directly into Poway Creek at the existing point of connection (identified as "POC1" in Figure 4.9-5). For hydromodification flow control, an underground vault (i.e., HMP-1 in Figure 4.9-5) is proposed to mitigate the flow generated on the project site areas north of Oak Knoll Road. The final owners of the biofiltration BMP would be the Homeowners Association (HOA). The HOA would maintain this BMP into perpetuity and fund the maintenance of the BMP through HOA dues.

Source: Appendix J.
Note: SC = source control; BMP = best management practice; SD = site design; PDP = priority development project.

As discussed above in Section 4.9.2, the PMC requires all PDPs to implement BMPs for stormwater pollutant control. PDPs subject to hydromodification management requirements, such as this project, must also implement water pollutant control and flow control for hydromodification management. Both stormwater pollutant control and flow control for hydromodification management can be achieved within the same structural BMPs as outlined above. These BMPs would be verified by the City at the completion of construction, generally through certification by the project owner.

The selection, sizing and preliminary design of stormwater treatment and other control measures in the engineering plan were drafted in compliance with the City's Stormwater Design Manual, which meets the requirements of the MS4 Permit (discussed above in Section 4.9.2). The proposed biofiltration units were designed to capture and treat 1.5 times the required design capture volume. The catch basins and biofiltration units would require maintenance by the HAO to ensure they continue to operate properly into perpetuity. Maintenance includes repairing erosion, removing sediment and trash, mowing and managing vegetation, and ensuring filters are not blocked and are functioning properly. This maintenance would be intermittently confirmed by the City.

The City's Stormwater Design Manual, which is the jurisdiction-specific BMP manual for the City, addresses updated on-site post-construction stormwater requirements for standard projects and priority development projects, and provides updated procedures for planning, preliminary design, selection, and design of permanent stormwater BMPs based on the performance standards presented in the MS4 Permit and the City's JRMP. An infiltration feasibility analysis was prepared for the project a geotechnical engineer (provided in Appendix I of this Draft EIR). As discussed in Appendix I, based on results of permeability testing, full or partial infiltration was deemed to be infeasible for the project site. Therefore, no infiltration BMPs are proposed for the project. All proposed BMPs would be designed per City specifications and the drainage study recommendations (Appendix I). Hydromodification BMPs would be sized and designed such that post-project runoff conditions, including flow rates and durations, would not exceed pre-development runoff conditions by more than 10% for the range of flows that result in increased potential for erosion or degraded instream habitat

downstream of the proposed project. As indicated in the project-specific drainage study (Appendix I), this requirement would be met. Due to the proposed biofiltration units and underground vault, flows from the project site are estimated to be less than the existing flows when measured at the point of compliance to Poway Creek. Furthermore, the proposed BMPs would minimize off-site discharge of surface water pollutants while simultaneously preventing downstream flooding-related impacts.

Based on the proposed project design and applicable requirements, and in particular with the inclusion of the proposed biofiltration units, underground vault, grading, and design strategies, long-term water quality and stormwater impacts associated with the proposed project would be minimal. Implementation of proposed BMPs, implementation of recommendations in the project-specific drainage study (Appendix I) and Stormwater Quality Management Plan (Appendix J), and preparation and implementation of the required SWPPP would ensure that the proposed project would comply with regulatory ordinances and with the standards set forth in the City's Stormwater Design Manual.

For the reasons stated above, both short-term construction impacts, and long-term operational impacts to water quality as a result of project implementation would be **less than significant**.

Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

The project site located within the PVGB (DWR 2023a). The PVGB has not been identified as a critically over drafted basin. As of 2018, PVGB is estimated by the state to have over 2,300 acre-feet of groundwater storage (City of Poway 2018). Groundwater use within the PVGB is very limited. Groundwater is not pumped for municipal water supply in the PVGB and imported water provides for most of the water used in the PVGB. Private domestic wells located in the PVGB serve individual users mainly for irrigation of residential parcels. No active municipal water supply wells or groundwater replenishment projects occur in the Plan area (City of Poway 2018). Instead, the City receives 99% of its water supply from the San Diego County Water Authority in the form of raw water, and then treats the water at Lester J. Berglund Water Treatment Plant, which is located in the City, before distributing treated potable water to City residences and businesses. All uses within the project site, would use water from the City's water distribution system to allow monitoring of groundwater supplies and no new groundwater wells would be constructed.

As discussed above in Section 4.9.1, perched groundwater was encountered in exploratory trenches adjacent to Poway Creek and other areas of the project site at depths ranging between 6 feet and 11 feet. Therefore, there is risk of groundwater contamination increases if infiltration BMPs are used on the project site. However, as discussed above, based on results of permeability testing, full or partial infiltration was deemed to be infeasible and no infiltration BMPs are proposed for the project. Furthermore, the project site is mostly underlain by stiff to very stiff clay soils (which have a very slow infiltration rate) and impermeable granite rock (Appendix J). Therefore, surface runoff across most of the project site has a low potential to percolate into the groundwater. The area with the highest potential for infiltration/percolation to occur on or adjacent to the project site is Poway Creek (Appendix J). However, as illustrated in Figure 4.9-2, the project does not propose any development or grading activities within at least 100 feet of the Poway Creek bed. In addition to treatment methods within the stormwater system, pollution prevention strategies including proposed BMPs (as outlined in Table 4.9-1, Hydromodification Management Flow Control Best Management Practices), and the required SWPPP would be specifically designed to protect stormwater from potential contamination. Compliance with local and site-specific stormwater regulations and plans would further reduce the potential for contamination of groundwater.

Considering the proposed project would not use groundwater for construction or operational activities, and considering the underlying geologic conditions, limits of proposed grading, use of appropriate structural BMPs, and required implementation a SWPPP, a substantial decrease to groundwater supplies, or substantial interference with groundwater recharge are not anticipated. Therefore, impacts to groundwater would be **less than significant**.

Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

a. result in substantial erosion or siltation on or off site;

As discussed above, the project site currently accepts stormwater drainage from adjoining properties. The proposed project would include construction of new impervious surfaces such as residential structures, roadways, sidewalks, driveways, and walkways. The proposed drainage improvements and cut and fill changes would respect the existing topography to the extent feasible and would adhere to PMC grading requirements. As discussed above, the project site grading plan for areas north of Oak Knoll Road is designed to drain all stormwater directly to on-site private streets (see Figures 4.9-4 and 4.9-5). Once in the street(s), stormwater would be collected by proposed catch basins and inlets and a system of private underground storm-drain pipes. These pipes would then convey the water to a series of biofiltration units and one underground vault for hydromodification that would release stormwater into the City's system. Proposed drainage conditions would convey runoff from the northern area of the southern portion of the project site (south of Oak Knoll Road) via overland flow towards a proposed biofiltration unit before comingling with flows in the existing 36-inch RCP and box culvert to the west. After biofiltration and/or hydromodification, all project site flows would drain into the box culvert and discharge into Poway Creek at the existing point of connection.

Over 85% of the project site is underlain with soils classified as Hydrologic Soil Group D, which are soils having a very high runoff potential when thoroughly wet. To reduce the effects of soil erosion and siltation on site, the project proposes to grade the site to a 2:1 ratio (horizontal:vertical), consistent with the surrounding natural topography of the area. The Geotechnical Investigation (Appendix G) identifies recommended BMPs for grading specifications to ensure that sliding and erosion does not occur on or off site during construction. These include remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features can be installed (Appendix G). Areas subjected to erosion or sedimentation would be properly prepared in accordance with required specifications prior to placing additional fill or other development (Appendix G). Additionally, implementation of BMPs outlined in Table 4.9-1, and implementation of the required SWPPP for the proposed project, would ensure that impacts from construction-related activities would not result in substantial erosion or siltation on or off site. Post-construction, project site slopes would be landscaped with drought-tolerant vegetation having variable root depths and requiring minimal landscape irrigation, and all slopes would be drained and properly maintained to further reduce the potential for substantial erosion or siltation (Appendix G). Finally, the proposed project would not be approved or built without adequately demonstrating to the City compliance with the California Building Code and applicable geologic hazards regulations (see Draft EIR Section 4.6, for further discussion of required building code standards). For the reasons discussed above, impacts are determined to be **less than significant.**

b. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;

As described above in Section 4.9.1, the project site's drainage area includes vegetative cover, non-vegetated pervious areas (i.e., the gravel storage yard/staging area), and impervious areas, and the project site currently accepts stormwater drainage from adjoining properties to the northeast. The project proposes 237,485 square feet of impervious area. Impervious features include residential structures, access roads, sidewalks, driveways and walkways. Pervious features include trails, open space, and landscaped area.

As outlined in Figures 4.9-4 and 4.9-5, the proposed drainage improvements would respect the existing topography to the extent feasible, as to minimize drainage impacts to existing neighborhoods surrounding the project site. The proposed grading and drainage improvements would drain stormwater directly to private streets. Once in the street, stormwater is collected by catch basins and a private system of pipes. These pipes would then convey water to a hydromodification vault, that will detain and attenuate 100-year peak flows per City design standards. Post-attenuated flow would then release stormwater into the City's existing system via proposed and pipes located adjacent to the project site**.** The proposed grading changes to the entire site would consider existing topography, pursuant to the PMC Grading Standards. The site will be balanced at 19,250 cubic yards cubic yards of cut and fill to avoid export or import of dirt on site, and all excavated areas would provide positive drainage to prevent ponding of water.

The drainage report prepared for the proposed project (Appendix I), analyzed the 100-year flood flow rates for the proposed drainage basins located within the project site. The Rational Method, which is the most widely used hydrologic model for estimating peak runoff rates, was used to analyze the proposed project's site topography and drainage basin locations at common drainage points (i.e., Nodes). Table 4.9-2 summarizes the comparison between existing and proposed flow rates on the project site. The attenuation provided by the underground hydromodification vault would reduce project site flow rates when compared to the existing condition.

Table 4.9-2 Existing and Proposed Flow Rate Comparison

Existing Condition			Proposed Condition			Change
Node	*Area (ac)*	*100-Year Peak Flow (cfs)*	*Node*	*Area (ac)*	*100-Year Peak Flow (cfs)*	*Flow Difference (cfs)*
16	13.79	26.85	16	13.79	14.21	-12.64

Source: Appendix I.
Notes: ac = acres; cfs = cubic feet per second.

The drainage report concluded that the proposed project would reduce runoff in the 100-year storm event because of the on-site flood attenuation provided by the proposed hydromodification vault (Appendix I). Additionally, since there would be no increase in runoff, there would be no negative impacts to downstream drainage facilities. Furthermore, in compliance with federal and state regulations, as well as municipal guidelines such as the City's JRMP, WQIP, and MS4 Permit, the proposed project would incorporate site design, structural, and source control BMPs to help minimize surface runoff and prevent flooding. With implementation of the proposed drainage improvements, and compliance with applicable regulations, the proposed project would not substantially increase the rate of surface runoff such that flooding would occur. Therefore, impacts would be **less than significant**.

c. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

As discussed above, the proposed project plans to create an improved stormwater drainage system in compliance with the City's Stormwater Design Manual, which meets the requirements of the San Diego RWQCB (Appendix J). The proposed method for treating stormwater runoff from the project site involves a series of biofiltration units and a hydromodification vault. Stormwater would be collected and conveyed to these facilities via a series of catch basins and pipes located within private streets and the adjacent Oak Knoll Road. Once collected, the underground vault would slow the velocity and volume of water, a process called hydromodification. Hydromodification is important to protecting stormwater quality by preventing flooding, sedimentation, and erosion downstream. Biofiltration is important to protecting stormwater quality by removing potential pollutions within water prior to leaving the site. Biofiltration removes pollutants in a variety of ways:

- Evapotranspiration, the process in which water is transferred from the soil by evaporation and from plants by transpiration into the air, leaving pollutants behind
- Nutrient cycling, the process in which plants extract nutrients, (i.e., organic and inorganic matter) that can affect water quality, back into the production of organic matter
- Filtration through grasses, grates, and screens that remove pollutants

Once water passes through the bioretention filters, it would be released into the City's existing storm drain system via proposed or existing pipes to the box culvert located adjacent to the project site. As described under the first threshold analysis, under the NPDES permit program, BMPs are mandated for construction sites greater than 1 acre, through preparation of an SWPPP in order to reduce the occurrence of pollutants in surface water. Implementation of state-mandated measures, proposed BMPs, and implementation of the required SWPPP for the proposed project, would ensure project construction and operational activities would not result in substantial sources of polluted runoff.

As shown in Table 4.9-2, the attenuated flow rates of the proposed project would have a lower volume than the conditions that currently exist on site. Additionally, since there would be no increase in runoff, project implementation would not result in negative impacts to downstream drainage facilities. Therefore, implementation of the proposed project would not result in runoff that would exceed the capacity of existing storm drain systems, nor cause substantial additional sources of pollution. Therefore, impacts would be **less than significant.**

d. Impede or redirect flood flows?

As described above in Section 4.9.1, the project site's drainage area includes vegetative cover, non-vegetated pervious areas (i.e., the gravel storage yard/staging area), and impervious areas, and the project site currently accepts stormwater drainage from adjoining properties to the northeast. The project proposes 237,485 square feet of impervious area. Impervious features include residential structures, access roads, sidewalks, driveways and walkways. Pervious features include trails, open space, and landscaped area. The proposed drainage improvements would respect the existing topography to the extent feasible, as to minimize drainage impacts to existing neighborhoods surrounding the project site. The proposed grading and drainage improvements would drain stormwater directly to private streets. Once in the street(s), stormwater is collected by catch basins and a private system of pipes. These pipes would then convey water on the northern portion of the project site to a hydromodification basin that will detain and attenuate 100-year peak flows per City

design standards. Post-attenuated flow would then release stormwater into the City's existing system via proposed and existing pipes located adjacent to the project site on Oak Knoll Road. The proposed grading and drainage changes would be in compliance with the PMC Grading Standards. As under existing conditions, all project site flows would ultimately flow through the existing box culvert and discharge into Poway Creek at the existing point of connection (identified as Node 16 in Figure 4.9-4).

For the reasons discussed above, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner that would impede or redirect flood flows, and the impact is **less than significant.**

In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

As discussed above in Section 4.9.1, a portion of the project site, at the southwestern corner of the northern portion of the project and northern developed area of the southern portion of the project, is located within Zone AE, which is a 100-year SFHA and Zone X, which is a moderate flood hazard zone. However, proposed grades for developed areas of the project site will be raised above the 500-year and 100-year floodplain elevations. Furthermore, as discussed above in Section 4.9.2, the project would be required to adhere to required PMC standards regarding to drainage and watercourses (PMC Division IV) and floodplain management (PMC Division V). The project would comply with PMC development standards for projects within a SFHAs, including considerations related to elevation and floodproofing (PMC Section 16.88.010[A-C]). Therefore, the risk associated with inundation by flooding is considered low.

The project site is located approximately 12 miles inland from the Pacific Ocean and would not be subject to inundation by tsunami. Given that the project site is not located near a large standing body of water (the nearest is Miramar Reservoir, approximately 2.6 miles southwest of the project site), inundation by seiche (or standing wave) is considered negligible.

As the project site is not located within a tsunami or seiche zone, would comply with applicable PMC requirements, and would implement a grading plan to raise developed areas of the project site above the 100-year floodplain, proposed project impacts **would be less than significant.**

Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

As previously discussed, the proposed project would comply with all applicable federal, state, and local policies regarding water quality and groundwater management. The proposed internal drainage system would be pursuant to any existing standards, such as the Poway JRMP, the City's Municipal Code, and City BMPs for water quality management. The proposed structural BMPS (including the biofiltration units and hydromodification vault) would be certified by a third party inspector, and funded and maintained into perpetuity by the proposed project's HOA (Appendix J).

As previously discussed, the project site is located within the PVGB, which has not been identified as a critically over drafted basin. Groundwater use within the PVGB is very limited and groundwater is not pumped for municipal water supply. Although perched groundwater is present on the project stie, no infiltration BMPs are proposed, and surface runoff across most of the project site has a low potential to percolate into the groundwater. The project does not propose any development or grading activities within at least 100 feet of the Poway Creek bed, which is the area with the highest potential for infiltration/percolation to occur. In addition to treatment methods within the

stormwater system, pollution prevention strategies including proposed BMPs (as outlined in Table 4.9-1, Hydromodification Management Flow Control Best Management Practices), and the required SWPPP would be specifically designed to protect stormwater from potential contamination. Therefore, the project would not conflict or obstruct implementation of the City's management plan for the PVGB (City of Poway 2018). As the proposed project would not conflict with an applicable water quality control plan or groundwater management plan, impacts would be **less than significant.**

4.9.5 Cumulative Impacts

The cumulative study area for hydrology and water quality would be the boundaries of the Poway Creek subwatershed. The proposed project would replace three existing residences and a storage yard/staging areas with residences, roadways, parks, and other associated infrastructure/facilities (as discussed in Chapter 3 of this Draft EIR). As a result, the proposed project would increase the amount of impermeable surfaces, which in turn would reduce the ability of the ground surface to absorb potential high intensity surface runoff and surface water pollutants. This increase in impermeable surfaces would be incrementally greater than under existing conditions and could contribute to downstream impacts to Poway Creek. However, the proposed project would retain permeable surfaces, which would consist of open space, parks, trails, open space, and landscaped areas/slopes. The proposed drainage system, in combination with proposed BMPs outlined in Table 4.9-1 would reduce downstream runoff volumes and flow rates to levels less than or equal to existing conditions.

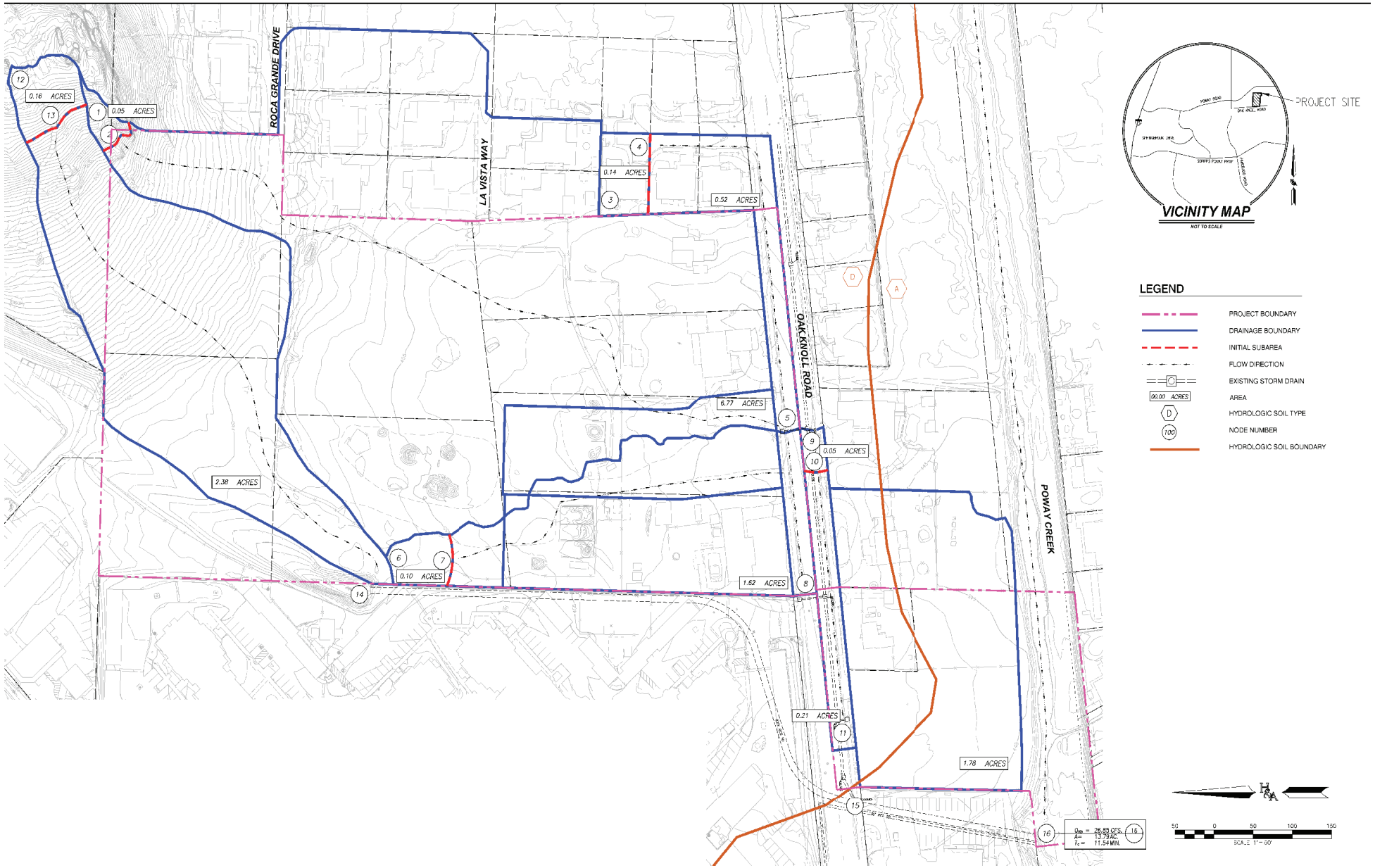
Similar to the proposed project, all cumulative projects would be subject to regulations, policies, and plans established by the City, County, and the San Diego RWQCB. Regulations and plans that cumulative projects would be subject to comply with include, NPDES permitting and associated SWPPPs and BMPs; Water Quality Objectives for Inland Surface Waters, established in the Basin Plan; PMC Chapter 13, regarding grading and stormwater discharges; and applicable General Plan goals and policies (see Section 4.9.2). Therefore, the proposed project, in combination with identified cumulative projects, would result in **less-than-significant** impacts to cumulative hydrology, water quality, and stormwater/flooding.

4.9.6 Mitigation Measures

No mitigation measures are required, as all impacts are determined to be less than significant.

4.9.7 Level of Significance after Mitigation

Based on the above analysis, impacts related to hydrology, water quality, stormwater, and flooding are determined to be less than significant, and no mitigation is required.



SOURCE: Hunsaker and Associates Inc. 2023

FIGURE 4.9-1

Existing Hydrology Map

Harmon Ranch Specific Plan Project EIR

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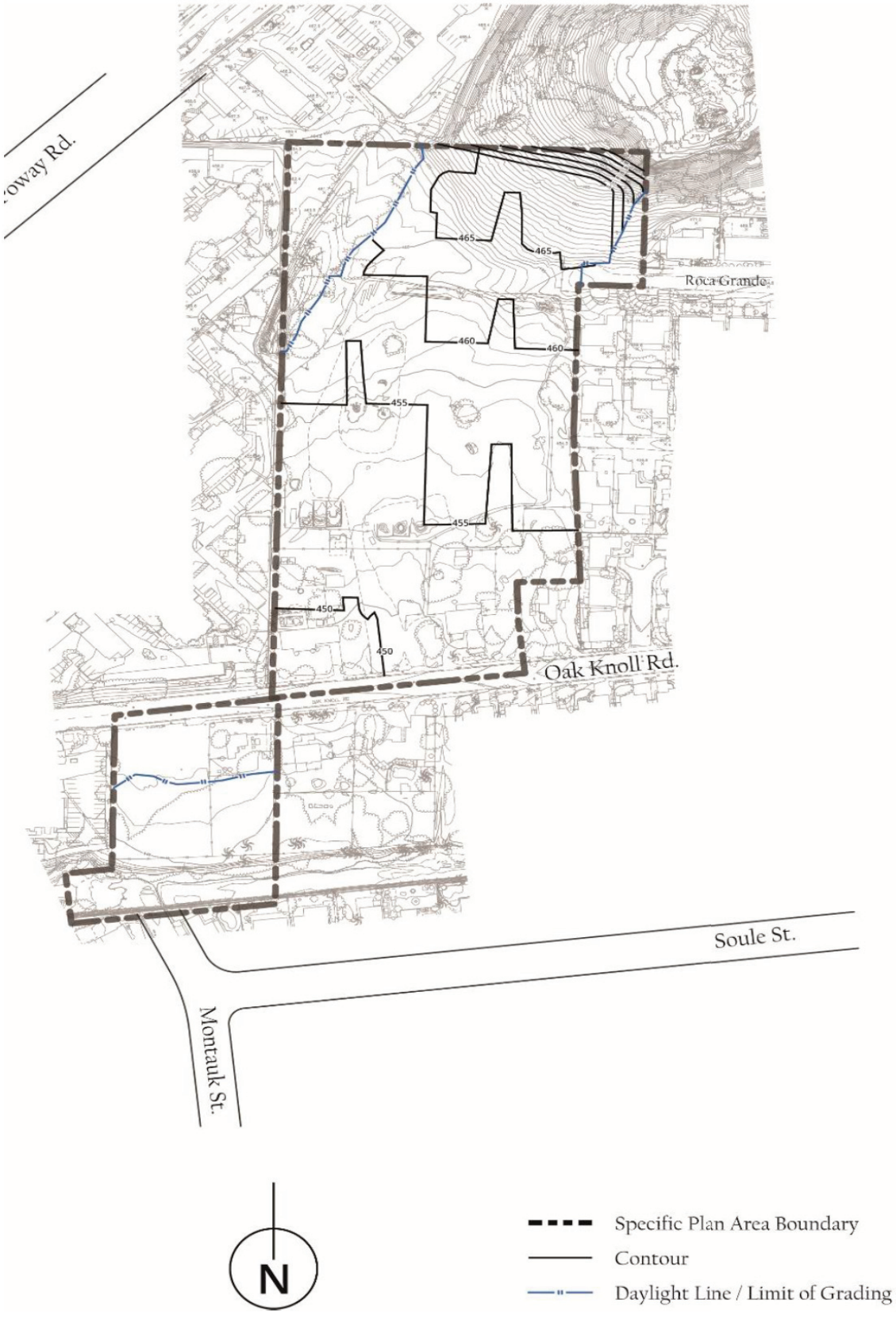

SOURCE: Lennar Homes 2022

FIGURE 4.9-2

Conceptual Grading Plan

Harmon Ranch Specific Plan Project EIR

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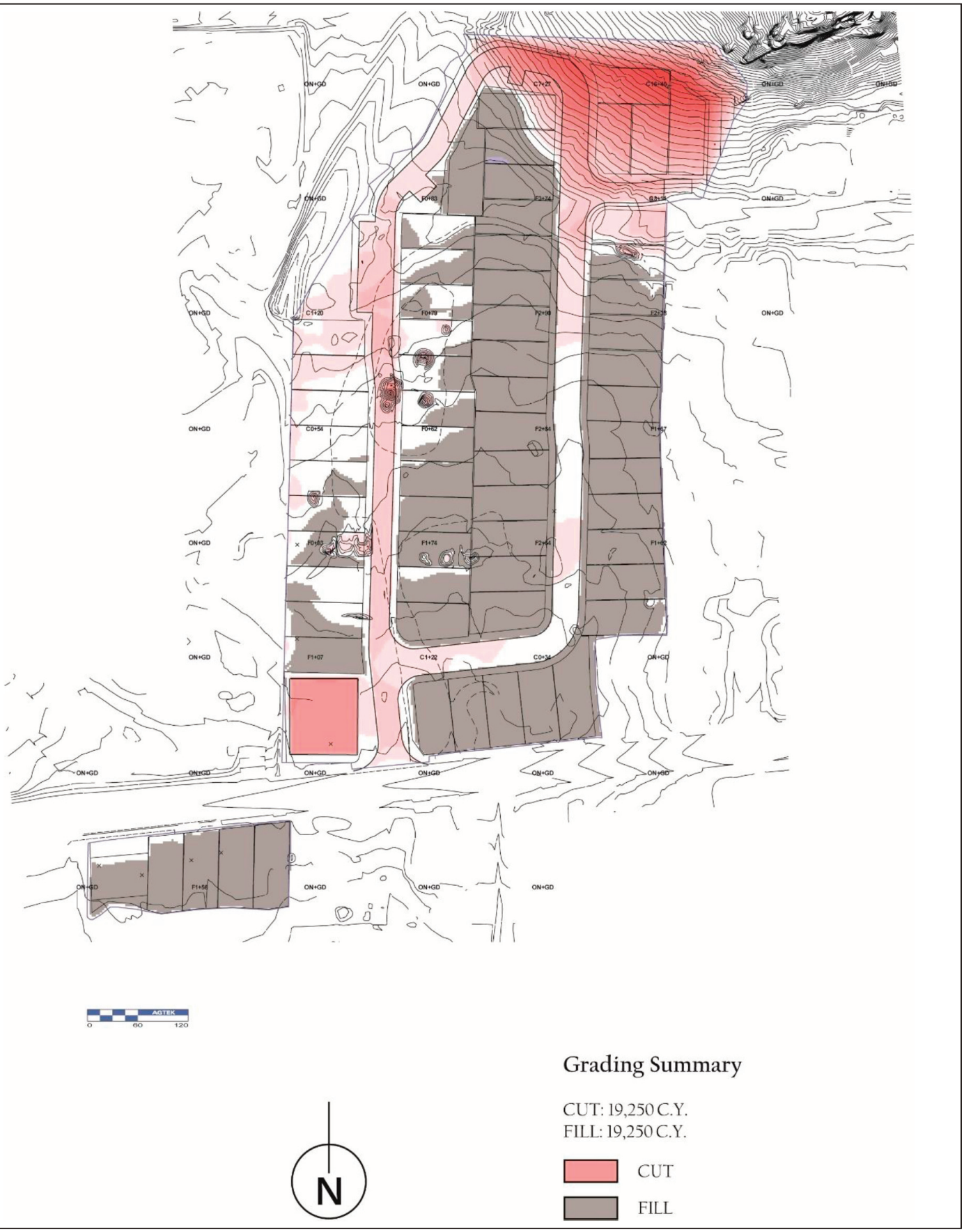

SOURCE: Lennar Homes 2022

FIGURE 4.9-3

Conceptual Cut and Fill Plan

Harmon Ranch Specific Plan Project EIR

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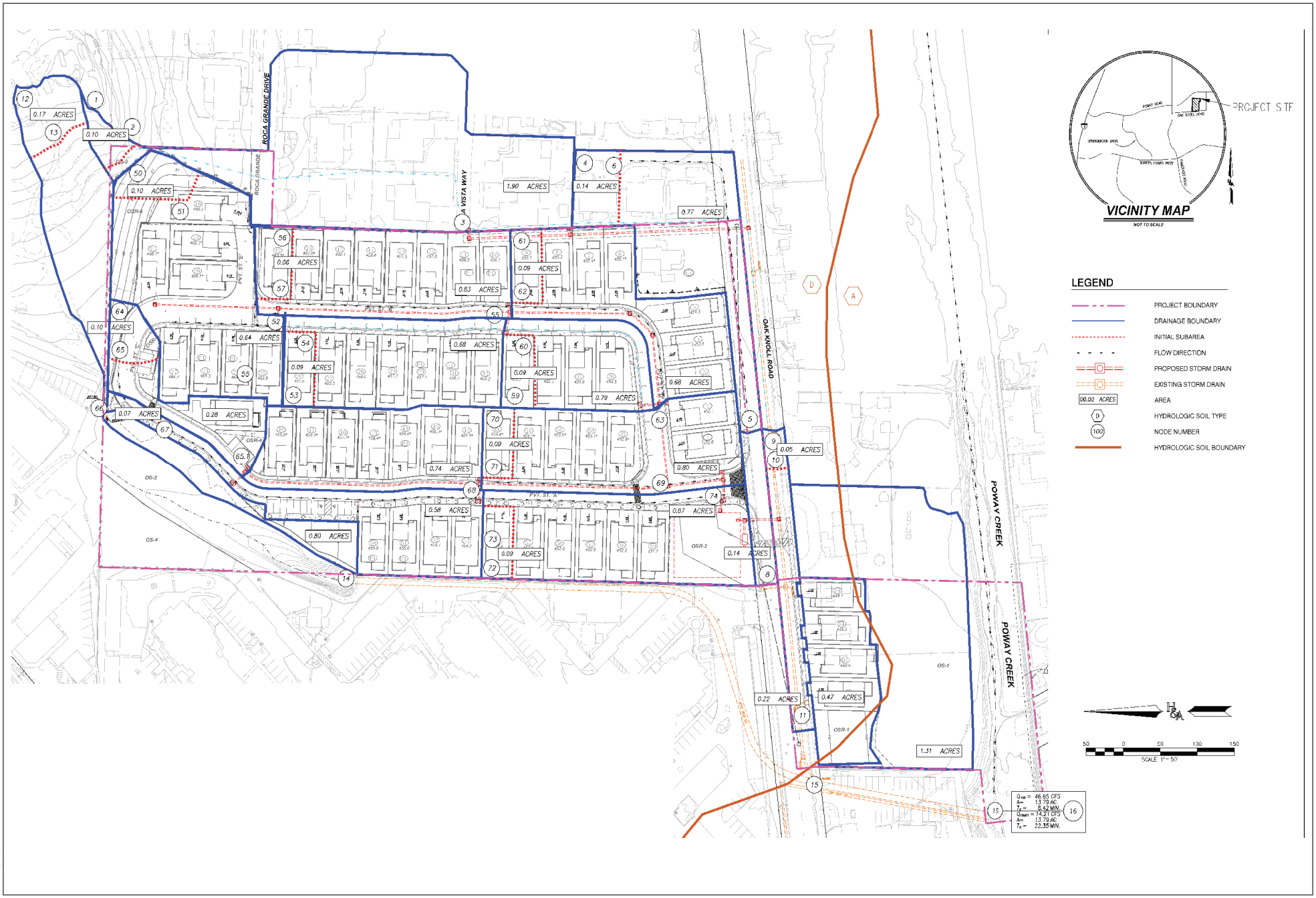

SOURCE: Hunsaker and Associates Inc. 2023

FIGURE 4.9-4

Proposed Hydrology Map

Harmon Ranch Specific Plan Project EIR

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SOURCE: Hunsaker and Associates Inc. 2023

FIGURE 4.9-5

Proposed Best Management Practices

Harmon Ranch Specific Plan Project EIR

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4.10 Land Use and Planning

The section describes the existing land use and planning conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis is based on the review of existing conditions; applicable laws, regulations, and guidelines; existing community character, surrounding land uses, and compatibility of the proposed project with neighboring areas; and consistency of the proposed project with relevant adopted local land use policies. The Project Consistency with City of Poway General Plan is included in the Harmon Ranch Specific Plan within Table 1.1 (Appendix Q).

A Notice of Preparation (NOP) was circulated from February 1, 2023, to March 3, 2023. During the NOP comment period, comment letters related to land use and planning focused on the following topics:

- Consistency with zoning
- Consistency with General Plan
- Density of development

These comments were considered during the preparation of this EIR. The NOP and Public Scoping comments are provided in Appendix A of this EIR.

4.10.1 Existing Conditions

The proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. The project site is located within the southern area of City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

The project site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the City of Poway General Plan, which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of eight dwelling units per acre. The project site is zoned “Residential Single-Family 7 (RS-7)” (City of Poway 1991).

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was recently used as a construction staging yard for a San Diego Gas and Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (Assessor’s Parcel Number 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the “Harmon House.”

The land uses surrounding the project site consist of mixed-use, commercial office, and residential uses. The Poway Road Corridor Specific Plan Area (zoned as PC-8) is located to the north and west of the project site, and single-family homes are located to the east and south. The Countryside Apartments, located to the west of the project site, are within the Poway Road Corridor Specific Plan Area and are allowed a maximum housing density by right of 24 dwelling units per acre. The single-family homes located to the east and south of the project site are zoned Residential Single-Family 7 (RS-7).

The City of Poway is also known as the "City in the Country" and takes pride in its use of larger lots and variety of open space uses. These open space uses generally promote resource management and recreation within the City. Open space uses are present in many places outlying the project site.

4.10.2 Relevant Plans, Policies, and Ordinances

Federal

There are no federal policies related to land use that apply to the proposed project.

State

California Planning and Zoning Law

The legal framework in which California cities and counties exercise local planning and land use functions is provided in the California Planning and Zoning Law, Government Code Sections 65000 et seq. Under state planning law, each city and county is required to adopt a general plan "for the physical development of the county or city, and any land outside its boundaries which bears relation to its planning" (Section 65300). The California Supreme Court has called the general plan the "constitution for future development." A general plan expresses the community's development goals and embodies public policy relative to the distribution of future land uses, both public and private. A general plan consists of several elements, including land use, circulation, housing, conservation, open space, noise, and safety; other elements may be included at the discretion of the jurisdiction that relate to the physical development of the county or city.

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

Senate Bill 375

Senate Bill 375, the Sustainable Communities and Climate Protection Act, was adopted in September 2008 to coordinate land use planning, regional transportation plans, and funding priorities to reduce greenhouse gas (GHG) emissions from passenger vehicle travel through better-integrated regional transportation, land use, and housing planning that provides easier access to jobs, services, public transit, and active transportation options. Senate Bill 375 consists of five aspects: (1) creation of regional targets for GHG emissions reduction tied to land use; (2) a requirement that regional planning agencies create a Sustainable Communities Strategy (SCS) to meet those targets, even if that plan is in conflict with local plans; (3) a requirement that regional transportation funding decisions be consistent with this new plan; (4) a requirement that the Regional Housing Needs Allocation numbers, established by the State Department of Housing and Community Development and allocated by the San Diego Association of Governments (SANDAG), must conform to the SCS; and (5) new CEQA exemptions and streamlining for projects that conform to the SCS.

Senate Bill 375 specifically requires the metropolitan planning organization relevant to a project area (in this case, SANDAG) to develop an SCS in its Regional Transportation Plan (RTP). The intent of the SCS is to achieve GHG emissions reduction targets set by the California Air Resources Board (CARB) by reducing vehicle miles traveled from light-duty vehicles through the development of more compact, complete, and efficient communities.

For the area under SANDAG's jurisdiction, including the project site, CARB adopted regional targets for the reduction of mobile source GHG emissions. Those reduction targets are 7% for 2020 and 13% for 2035, compared with a 2005 baseline. In preparing its 2015 SCS, also known as San Diego Forward: The Regional Plan (Regional Plan), SANDAG stated it would achieve (and exceed) the region's GHG targets, with a 15% per-capita reduction by 2020 and a 21% per-capita reduction by 2035 (SANDAG 2015). In response, CARB accepted SANDAG's determination that its SCS would achieve its 2020 and 2035 GHG emissions reduction targets.

Local

San Diego Forward: The Regional Plan

SANDAG is the federally designated Metropolitan Planning Organization for the San Diego region. SANDAG serves as a forum for public decision making on regional issues such as growth, transportation, and land use in San Diego County and consists of representatives from each of the county's local jurisdictions. SANDAG builds consensus, develops strategic plans, obtains and allocates resources, and provides information on a broad range of topics pertinent to the region's quality of life.

The Regional Comprehensive Plan, adopted in 2004 by SANDAG, laid out key principles for managing the region's growth while preserving natural resources and limiting urban sprawl. The plan covered eight policy areas, including urban form, transportation, housing, healthy environment, economic prosperity, public facilities, our borders, and social equity.

In 2011, SANDAG approved the 2050 RTP/SCS. This approval marked the first time SANDAG's RTP included a sustainable communities strategy, consistent with the Sustainable Communities and Climate Protection Act of 2008, also known as Senate Bill 375. This RTP/SCS provided a blueprint to improve mobility, preserve open space, and create communities, all with transportation choices to reduce greenhouse gas emissions and meet specific targets set by the California Air Resources Board (CARB) as required by the 2008 Sustainable Communities and Climate Protection Act. In 2010, CARB established targets for each region in California governed by a metropolitan planning organization.

On October 9, 2015, the SANDAG Board of Directors adopted the Regional Plan. The Regional Plan combines the two previously described existing regional planning documents: the Regional Comprehensive Plan and the RTP/SCS. The Regional Plan updates growth forecasts and is based on the most recent planning assumptions considering currently adopted land use plans, including the City's General Plan and other factors from the cities in the region and the County. SANDAG's Regional Plan will change in response to the ongoing land use planning of the City and other jurisdictions. For example, the City's General Plan, and other local General Plans of cities, may change based on General Plan amendments initiated by the jurisdiction or landowner applicants. General Plan amendments may result in increases in development densities by amending the regional category designations or zoning classifications. Accordingly, SANDAG's RTP/SCS latest forecasts of future development in the San Diego region, including location, must be coordinated closely with each jurisdiction's ongoing land use planning because that planning is not static, as recognized by the need for updates to SANDAG's RTP/SCS every 4 years. The most recent regional plan is the 2021 Regional Plan, which builds off the 2019 San Diego Forward Federal Transportation Plan (SANDAG 2021). The 2021 Regional Plan is the long-term blueprint for the San Diego region that seeks to

meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources.

Poway Comprehensive Plan: General Plan

The City's General Plan is a statement of what the representatives of the residents want for their community in the future. Its function is to allow the citizens to consciously consider the shape their City will take for the foreseeable future and to preserve and enhance those qualities they presently find appealing. It accomplishes this by setting forth broad goals, and translating these goals into specific policies and strategies to accomplish the plan's objective. The goals of the City's General Plan are as follows (City of Poway 1991):

1. It is the goal of the City of Poway to preserve Poway's unique and desirable character as "The City in the Country" and to maintain high quality design and environmental standards in all new development and redevelopment.
2. It is the goal of the City of Poway to provide for an orderly balance of both public and private land uses in convenient and compatible locations throughout the city and to ensure that all such uses serve to protect and enhance the environment character and image of the city.
3. It is the goal of the City of Poway to enhance the well-being of Poway residents by providing opportunities for relaxation rest activity and education through a well-balanced system of private and public facilities distributed to serve the entire community.
4. It is the goal of the City of Poway to preserve its natural scenic and cultural resources for the future benefit and enjoyment of its residents and to protect biological and ecological diversity.
5. It is the goal of the City of Poway to achieve a climate for economic growth and stability which will attract high quality commercial and industrial development to serve the employment shopping recreation and service needs of Poway residents and will provide a healthy and diverse economic base for the community.
6. It is the goal of the City of Poway to provide a safe realistic efficient and integrated transportation system to serve the present and future mobility needs of all the residents of Poway.
7. It is the goal of the City of Poway to provide a safe and healthy environment for the residents of Poway.
8. It is the goal of the City of Poway to minimize injuries loss of life and property damage resulting from natural and man-made hazards.
9. It is the goal of the City of Poway to provide an efficient and economical public water and wastewater treatment system to serve the current and future residents of Poway.

The City of Poway Zoning Ordinance

The City of Poway Zoning Ordinance (Zoning Ordinance), as located in Title 17 of the municipal code, is the primary way that the City administers the General Plan. The General Plan identifies general land use policies, while the Zoning Ordinance identifies specific uses and development standards within these policies. The purpose of the Zoning Ordinance is to serve the public health, safety, comfort, convenience, and general welfare by do the following (City of Poway 2022):

- Aiding in the establishment of residential zones which serve the following purposes:
    1. To reserve appropriately located areas for family living at a broad range of dwelling unit densities consistent with the general plan and with sound standards of public health, safety and welfare;
    2. To ensure adequate light, air, privacy, and open space for each dwelling;

3. To minimize traffic congestion and to avoid the overloading of public services and utilities by preventing the construction of buildings of excessive bulk or number in relation to the land area around them;
4. To protect residential properties from noise, illumination, unsightliness, odors, smoke and other objectionable influences;
5. To facilitate the provision of utility services and other public facilities commensurate with anticipated population, dwelling unit densities, and service requirements.

- Supporting the establishment of planned residential development zones which serve the following purpose:
  1. Planned residential development regulations are intended to facilitate development of areas designated for residential use on the general plan by permitting greater flexibility and, consequently, more creative and imaginative designs for the development of such residential areas than generally is possible under conventional zoning or subdivision regulations.
  2. These regulations are further intended to promote more economical and efficient use of the land while providing a harmonious variety of housing choices, a higher level of urban amenities, and preservation of natural and scenic qualities of open spaces. (Ord. 113 § 1 (Exh. A 5.2.1), 1983)
- Establishing a planned community zone in the development regulations to achieve the following purposes:
  1. To promote and protect the public health, safety, and welfare;
  2. To implement the objectives and policies of the general plan;
  3. To safeguard and enhance environmental amenities and the quality of development;
  4. To attain the physical, social, and economic advantages resulting from comprehensive and orderly planned use of land resources;
  5. To lessen congestion and assure convenience of access; to secure safety from fire, flood, and other dangers; to provide for adequate light, air, sunlight, and open space; to promote and encourage conservation of scarce resources; to prevent overcrowding of land and undue concentration of population; to facilitate the creation of a convenient, attractive, and harmonious community; to attain a desirable balance of residential and employment opportunities; and to expedite the provision of adequate and essential public services;
  6. To facilitate development within the City in accordance with the general plan by permitting greater flexibility and encouraging more creative and imaginative designs for major urban development projects subject to large-scale community planning;
  7. To promote more economical and efficient use of the land while providing a harmonious variety of housing choices and commercial and industrial activities, a high level of urban amenities, and preservation of natural and scenic qualities of open space;
  8. To provide a process for initiation, review, and regulation of large-scale comprehensively planned urban communities that affords the maximum flexibility to the developer within the context of an overall development program and specific, phased development plans coordinated with the provision of necessary public services and facilities. (Ord. 113 § 1 (Exh. A 5.3.1), 1983)
- Incorporating the development of open space zones for the purpose of:
  1. Provide for compatible recreational uses.
  2. Provide public or private active-recreation uses and activities on land within the community.
  3. Promote land use compatibility with existing or planned residential, commercial, manufacturing, and open space land uses which surround the OS-R zone activity or land use.

4. Encourage in-fill active-recreation land uses which provide a range of opportunities within the community that service the recreational and social interaction needs of City residents of all ages, economic situations, and physical conditions.
5. Provide for recreational opportunities within planned communities and planned residential developments.
6. Provide for associated building construction and development which is architecturally compatible and sensitive to existing and planned land uses on the same parcel of land and on surrounding properties. (Ord. 372 § 4, 1993)

The City's Zoning Ordinance establishes development regulations for specific land uses, identified by zones, as well as overlay areas established in the General Plan, such as open space and floodplain areas. For example, Chapter 17.08, Residential Zones, establishes the permitted land uses and development standards such as setbacks, dwelling unit maximum, agricultural allotments, and building height requirements for areas zoned for residential use. Additionally, some portions of the Zoning Ordinance apply to all areas of the City, regardless of zone, such as Chapter 17.32, Keeping of Animals. The purpose of Title 17 is to assure that development occurs in a manner that protects the natural and topographic character and identity of the environment, the visual integrity of hillsides and ridgelines, sensitive species and unique geologic/geographic features, and the health, safety, and welfare of the general public by regulating grading on private and public property and providing standards and design criteria implementing best management practices to control stormwater and erosion during all construction activities for all development.

Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan

The Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan (Poway Subarea HCP/NCCP) serves two general functions (City of Poway 1996):

1. To create a sustainable interconnected network of habitat preserves throughout and ultimately beyond the City, and thus maintain functioning ecosystems and viable populations of biological resources.
2. To mitigate adverse impacts to biological resources from building the Scripps Poway Parkway Extension, and implementing the Poway General Plan and Paguay Redevelopment Plan.

The Poway Subarea HCP/NCCP is implemented primarily through the City's established land use regulatory process supplemented by new implementation regulations tailored to the plan's conservation objectives. The Poway Subarea HCP/NCCP also defines mitigation requirements for development projects inside and outside of a specified Mitigation Area, and methods for funding land acquisitions and preserve management within the Mitigation Area. The project site does not fall within the Poway Subarea HCP/NCCP Mitigation Area (City of Poway 1996).

4.10.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to land use and planning are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to land use and planning would occur if the project would:

1. Physically divide an established community.
2. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

4.10.4 Impacts Analysis

Would the project physically divide an established community?

As described under Section 4.10.1, Existing Conditions, the proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels within the southern area of the City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road. The project site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the City of Poway General Plan, which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include mixed use retail land uses and the Kumeyaay Interpretive Center to the north; Oak Knoll Road, Poway Creek, and existing single-family homes to the south and east, which are also designated RS-7; and apartment communities to the west.

The project site area north of Oak Knoll Road consists of vacant land that has been cleared. The historic Harmon House is also located in the southeast corner of the northern portion of the project site, and would be retained in place. The smaller portion of the project site located south of Oak Knoll Road is currently occupied by three single-family homes, which are not designated as historic and would be demolished prior to project construction.

The project proposes approximately 5.8 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density.

The proposed new 63 single-family homes would be on lots 42 feet wide and 85 to 90 feet deep, with standard two-car garages, 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces, and private fenced rear yards. The project also includes 40 guest parking spaces along the private streets, approximately 1.0 acre of open space recreation area, approximately 2.2 acres of natural open space areas, and a segment of the General Plan Community trail (approximately 1,000 feet) connecting the project site to the adjacent retail area located to the north along Poway Road. The “overlook” area and passive park located in the south portion of the project site is planned to provide public access and would be privately maintained.

Of the 63 new proposed homes, fifty-nine of the new homes would be located on the northern portion of the project site (north of Oak Knoll Road), while four new homes and the proposed open space/overlook area would be located on the southern portion of the project site that fronts the south side of Oak Knoll Road.

Access to the project site is planned via existing Oak Knoll Road. Primary access into the northern portion of the proposed project would be from a driveway off Oak Knoll Road. Access to the southern portion of the project site would be from the existing individual driveways off Oak Knoll Road. The project proposes construction of internal neighborhood streets and private drives that would improve access on and around the site, but would not result in any new division of an established community.

As described in Chapter 3, Project Description, of this EIR, the applicant is proposing a Specific Plan and tentative map to facilitate development of 63 new single-family homes and associated site improvements and retention of the existing historic home. The Harmon Ranch Specific Plan would establish three land use districts within the project site: Residential Single Family (R-SF), Open Space (OS), and Open Space Recreation (OSR). The Specific

Plan would also provide development regulations and permitted uses for each land use district. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan. Additionally, the Specific Plan provides a comprehensive plan to ensure the efficient development of the new residential community within the Specific Plan area. Approval of the Harmon Ranch Specific Plan would allow for deviations from the underlying development standards of the RS-7 zone. The project would conform to the proposed development standards outlined in the Harmon Ranch Specific Plan for the Planned Community (PC).

The new land uses proposed by the Specific Plan include two open space uses and one residential land use. Parcels designated as open space would be permanently preserved as open space through deed restriction. One residential land use is also proposed. The proposed land uses are described below (Appendix Q):

- ***Open Space (OS)*** is designed to permanently conserve the on-site open space areas that contain sensitive biological and/or cultural resources. These areas would not be impacted by development of the Project and remain as natural open space areas.
- ***Open Space – Recreation (OS-R)*** is intended to provide passive and active recreational opportunities and open landscaped areas to support the new residential uses and manufactured slopes within the Specific Plan Area. Recreation amenities shall be provided to that support healthy and active lifestyles and encourage community interaction and engagement. Uses may consist of specialty and community gardens, athletic fields/courts, dog parks, parks, trails, playgrounds, picnic pavilions, trails, public art, and other outdoor land uses.
- ***Residential Single Family (R-S)*** consists of traditional single-family homes plotted on deeded legal lots.

The proposed project would change the land use from a vacant lot with residential uses south of Oak Knoll Road to residential use with open space, social and recreational amenities. The proposed project would not result in the division of an established community. Rather, the proposed project would result in the infill of residential uses surrounded by an existing residential community, which is entirely consistent with the proposed uses and precisely the type of residential development encouraged by state law and regional planning documents. Therefore, impacts would be **less than significant**.

Although the project proposes a land use change from RS-7 to Planned Community (PC) under the proposed Specific Plan, the project would remain consistent with the residential land use designation for the site. The project site is in an urban part of the City within close proximity to existing residential and commercial development. Because the project site is surrounded on all sides by existing infrastructure, the project would not divide an established community. Therefore, impacts are determined to be **less than significant**.

Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

As previously described, the City's existing General Plan Land Use and Zoning Map designates the entire project site as "Residential Single-Family 7." A General Plan amendment and zoning amendment would be processed concurrently with the Specific Plan for the proposed project, to re-designate the project site as "Planned Community."

Government Code Section 65453(a) authorizes local jurisdictions to adopt specific plans as a tool for the systematic implementation of the general plan. A specific plan must be consistent with the adopted general plan, but can provide a unique set of land uses, design regulations, and development standards not permitted under a city's

existing zoning or by a city's current standards. By allowing greater flexibility, development patterns can be specifically tailored to the characteristics of a site, including creative design concepts, density ranges that differ from a city's zoning code, specially designed roadways, and a mix of uses unique to the specific plan area. Specific plans may be adopted, in whole or in part, by either resolution or by ordinance. All development and improvements constructed within a specific plan area must be consistent with the City's general plan, the specific plan, and the tentative map(s).

The proposed project includes the adoption of a new specific plan, the purpose of which is to establish a link between implementing policies of the General Plan and the individual development proposals in a defined area. As required by Government Code Section 65450 et seq., the Specific Plan contains land uses and development regulations, infrastructure requirements, and implementation measures for the development of a specific geographic area (referred to as the project site or Specific Plan area). The Specific Plan includes a General Plan Consistency Analysis, which demonstrates it is consistent with applicable General Plan goals and policies. The General Plan Consistency Analysis is outlined in Table 1.1 of the Harmon Ranch Specific Plan (Appendix Q).

As previously described, the proposed project densities would slightly exceed existing zoning for the site, yet be compatible with the existing adjacent residential uses. The surrounding area to the east and south is zoned as RS-7, which allows for single-family residential development on minimum lot sizes of 4,500 square feet; additional uses are permitted that are complementary to, and can exist in harmony with, a residential neighborhood. The surrounding area to the north and west is within the Poway Road Corridor Specific Plan, which is zoned PC-8. Proposed residential development within the project site incorporates a design that reflects the existing design elements found throughout neighboring communities. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density of 8 dwelling units/acre. The proposed project design includes 3.2 acres of open space area and 5.7 acres of residential land use.

As described above, the proposed project's consistency with the City's General Plan goals and policies is detailed in Appendix Q of this EIR. With adoption of the proposed Specific Plan, and GPA/Zone Change, the project would not conflict with City regulations. The project would also comply with applicable local and state regulations outlined in Section 4.10.2, Relevant Plans, Policies, and Ordinances. Based on the preceding discussion regarding the proposed project's land use and design compatibility and based on the consistency analysis presented in Appendix Q, the proposed project would not result in a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect; therefore, impacts would be **less than significant**.

4.10.5 Cumulative Impacts

Table 3-2, Cumulative Projects, identifies the projects generally considered for the cumulative analysis. While land use impacts tend to be localized in nature, and specific impacts are tied either directly or indirectly to the specific action, the proposed project may have the potential to work in concert with other past, present, or future projects to cause unintended land use impacts (e.g., reducing available open space or accommodating increased growth that may result in more intensive land uses).

Therefore, impacts to land use tend towards larger policy areas as opposed to the more focused project-specific impacts. The geographic scope for analyzing cumulative impacts related to land use includes consideration of all

the cumulative projects listed in Table 3-2. Cumulative impacts for each environmental resource topic is analyzed throughout Chapter 4 of this EIR.

The cumulative projects approved and under review within the City of Poway would also be localized in nature. In respect to land uses, the proposed projects would be required to comply with any policies and planning requirements that the City of Poway voters had previously approved in regards to recreational open space zoning. Additionally, any proposed zoning changes would also have to be approved by the City of Poway and associated bodies of interest. Therefore, the land use and planning impacts would have been foreseen and **less than cumulatively significant.**

4.10.6 Mitigation Measures

The proposed project would not result in any significant impacts to land use; therefore, no mitigation would be required.

4.10.7 Level of Significance after Mitigation

As analyzed in Section 4.10.4, Impacts Analysis, implementation of the proposed project would not result in the division of an established community, as the site is in an urbanized area of the City and would be compatible with surrounding residential land uses. Additionally, the proposed project would incorporate recreational open space land uses open to the public. With adoption of the proposed Specific Plan, General Plan amendment, and Zoning amendment, the proposed project would not conflict with any land use plan, policy, or regulation adopted for the purpose of reducing an environmental effect. Therefore, impacts related to land use would be **less than significant**, and no mitigation would be required.

4.11 Noise

This section describes the existing noise conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. This analysis is based on review of existing resources; technical data; applicable laws, regulations, and guidelines; and the noise technical report prepared by Dudek in July 2022. The Noise Technical Report for The Harmon Ranch Project is included in this environmental impact report (EIR) as Appendix K.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to noise focused on the following topics:

- Construction noise impacts

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.11.1 Existing Conditions

Noise Factors and Terminology

Sound

Sound is mechanical energy transmitted by pressure waves in a compressible medium, such as air. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired. The sound pressure level has become the most common descriptor used to characterize the loudness of an ambient sound level. The unit of measurement of sound pressure is a decibel (dB). Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound levels of 1 dB when exposed to steady, single-frequency signals in the mid-frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dB in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dB. A change of 5 dB is readily perceptible, and a change of 10 dB is perceived as twice or half as loud (Caltrans 2013). A doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g., doubling the number of daily trips along a given road) would result in a barely perceptible change in sound level.

Sound may be described in terms of level or amplitude (measured in decibels), frequency or pitch (measured in hertz, or cycles per second), and duration (measured in seconds or minutes). Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel (dBA) scale performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear.

Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise. These descriptors include the equivalent noise level over a given period (L_{eq}), the statistical sound level (L_n), the day–night average noise level (L_{dn}), and the Community Noise Equivalent Level (CNEL). Each of these descriptors uses units of dBA.

L_{eq} is a sound level energy-averaged over a specified time period, represented by a single constant value equivalent to the variable sound energy received at a location. For example, a 1-hour L_{eq} measurement would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because it allows convenient comparison of time-varying sound levels at different locations. L_{max} is the greatest sound level measured during a designated time interval or event.

Unlike the L_{eq} metrics, L_{dn} and CNEL metrics always represent 24-hour periods. L_{dn} and CNEL also differ from L_{eq} because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech and sleep disturbance is of more concern). "Time weighted" refers to the fact that L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m. to 7:00 p.m.) receives no penalty. Noise during the evening hours (7:00 p.m. to 10:00 p.m.) is penalized by adding 5 dB to the measured or predicted L_{eq} values, and nighttime (10:00 p.m. to 7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is defined as 7:00 a.m. to 10:00 p.m., thus eliminating the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5–1 dB, and are thus often considered comparable or even equivalent and interchangeable by many jurisdictions.

Vibration

Vibration is the oscillatory movement of solid mass. Like sound, it is described in terms of frequency and amplitude, which can be expressed as displacement, velocity, or acceleration. For purposes of this analysis and consistent with environmental assessment, vibration is presented and discussed herein as units of velocity (inches per second [ips]) and their decibel equivalents as appropriate. Vibration impacts to buildings are generally discussed in terms of peak particle velocity (PPV), while human annoyance or disturbance is often discussed with root-mean-square vibration velocity levels that are converted to decibels. But for purposes of this analysis, PPV will be used to describe all vibration for ease of reading and comparison. Vibration can impact people, structures, and sensitive equipment or processes (Caltrans 2020). Common sources of vibration within communities include construction activities and railroad operations. Groundborne vibration generated by construction projects exhibits highest amplitudes during pile driving, rock blasting, soil compacting, jack hammering, and demolition-related activities that involve sudden impacts or other transient impulses of energy delivered to soil and rock strata. Vibration can also be more regularly occurring or even continuous in nature, such as the steady operation of mechanical equipment featuring reciprocating or rotating components that are slightly imbalanced. The maximum vibration level standard used by the California Department of Transportation (Caltrans) for the prevention of structural damage to typical residential buildings is 0.3 ips PPV (Caltrans 2020).

Methodology

Noise measurements were conducted on and near the project site on May 4, 2022, to quantify and help characterize the existing pre-project outdoor sound environment. Table 4.11-1 provides the locations, date, and times these noise measurements were performed. The noise measurements were taken using a Rion NL-52 sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 1 (Precision Grade) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

The four short-term noise measurement locations (ST) were selected to represent existing noise-sensitive receivers on and near the project site. These locations are depicted as receivers ST1–ST4 on Figure 4.11-1, Noise Measurement and Modeling Locations. The measured energy-averaged (L_{eq}) and maximum (L_{max}) noise levels at these field survey locations are provided in Table 4.11-1.

Table 4.11-1. Measured Community Outdoor Noise Levels

Receptor	Location/Address	Date (mm/dd/yy)	Time (hh:mm)	L_{eq} (dBA)	L_{max} (dBA)
ST1	North of 12643 Oak Knoll Rd, Poway, CA 92064	05/04/22	09:10–09:20 a.m.	58.5	76.2
ST2	South of 12710 La Vista Way, Poway, CA 92064	05/04/22	09:30–09:40 a.m.	51.1	70.6
ST3	Eastern property line of Countryside Apartments	05/04/22	09:50–10:00 a.m.	56.9	65.7
ST4	Southern Property line of Poway Towne Center Shopping Mall, approximately 200 feet south of Poway Road	05/04/22	10:10–10:20 a.m.	53.8	66.3

Source: Appendix K.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; dBA = A-weighted decibels; ST = short-term noise measurement locations.

The primary noise sources at the sites identified during the noise measurements presented in Table 4.11-1 consisted of traffic along adjacent roadways and unrelated construction activity. The sounds of rustling leaves, aircraft overflights, distant conversation, and birdsong were also documented but to a lesser degree. As shown in Table 4.11-1, the measured sound levels ranged from approximately 51.1 dBA L_{eq} at ST2 to 58.5 dBA L_{eq} at ST1. More details of the collected noise measurement data can be found in Appendix K.

4.11.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Transit Administration

In its Transit Noise and Vibration Impact Assessment guidance manual, the Federal Transit Administration (FTA) recommends a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) when "detailed" construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although this FTA guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the State and local jurisdictional levels.

State

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and the CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse

environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Code of Regulations Title 24

Title 24 of the California Code of Regulations sets standards that new development in California must meet. According to Title 24, interior noise levels are not to exceed 45 dB CNEL for new multifamily residences, hotels, and other attached residences.

Title 24 also requires that an interior acoustical study demonstrating that interior noise levels due to exterior sources will be less than or equal to 45 CNEL be performed for affected multifamily structures and hotels that are exposed to exterior noise levels in excess of 60 CNEL.

California Department of Health Services Guidelines

The State Department of Health Services has developed guidelines of community noise acceptability for use by local agencies (OPR 2003). Selected relevant levels are listed here:

- Below 60 dBA CNEL: normally acceptable for low-density residential use
- 50 to 70 dBA: conditionally acceptable for low-density residential use
- Below 65 dBA CNEL: normally acceptable for high-density residential use and transient lodging
- 60 to 70 dBA CNEL: conditionally acceptable for high-density residential, transient lodging, churches, educational, and medical facilities

The normally acceptable exterior noise level for transient lodging use is up to 65 dBA CNEL. Conditional acceptable exterior noise levels range up to 70 dBA CNEL for transient lodging.

California Department of Transportation

In its Transportation and Construction Vibration Guidance Manual, Caltrans recommends a vibration velocity threshold of 0.2 ips PPV (Caltrans 2020) for assessing "annoying" vibration impacts to occupants of residential structures. Although this Caltrans guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the local jurisdictional level. Similarly, thresholds to assess building damage risk due to construction vibration vary with the type of structure and its fragility but tend to range between 0.3 ips and 0.4 ips PPV for typical residential structures (Caltrans 2020).

Local

Poway Municipal Code

Section 8.08.040 and 8.08.100 of the Poway Municipal Code establishes sound level limits within the City and describes regulations on construction equipment, respectively. These sections are reproduced or summarized below.

Section 8.08.040 Sound Level Limits

Unless a variance has been applied for and granted pursuant to this chapter, it is unlawful for any person to cause or allow the creation of any noise to the extent that the one-hour average sound level, at any point on or beyond the boundaries of the property on which the sound is produced, exceeds the applicable limits set forth below, except

that construction noise level limits shall be governed by PMC 8.08.100. In addition, the Noise Element addresses nuisance noise and states that it should be unlawful for any person to make or continue any loud, unnecessary noise that causes annoyance to any reasonable person of normal sensitivity.

Zone or Land Use Designation	Allowable Time	Applicable Limit One-Hour Average Sound Level (In decibels)
OS-RM, OS, OS/1du, RR-A, RR-B, RR-C, RS-2, RS-3, RS-4, RS-7, and Specific Plan, PRD and PC regulations with a density of 11 dwelling units or less per acre	10:00 p.m. to 7:00 a.m.	40
	7:00 a.m. to 10:00 p.m.	50
PF, RA, RC, MHP, and Specific Plan, PRD and PC regulations with a density of 11 or more dwelling units per acre	7:00 a.m. to 7:00 p.m.	55
	7:00 p.m. to 10:00 p.m.	50
	10:00 p.m. to 7:00 a.m.	45
SPC, MU, CO, CN, CB, CG, TC, A/GC and HC	7:00 a.m. to 7:00 p.m.	60
	7:00 p.m. to 10:00 p.m.	55
	10:00 p.m. to 7:00 a.m.	50
MRE, SC, LI, LI/S and IP	Anytime	70

The sound level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts.

Fixed location public utility distribution or transmission facilities located on or adjacent to a property line shall be subject to the noise level limits of this section, measured at or beyond six feet from the boundary of the easement upon which the equipment is located.

Section 8.08.100 – Construction Equipment

Except for emergency work, it is unlawful for any person, including the City, to operate any single or combination of powered construction equipment at any construction site, except as outlined in subsections A and B of this section:

A. It is unlawful for any person, including the City, to operate any single or combination of powered construction equipment at any construction site before 7:00 a.m. or after 5:00 p.m. on Mondays through Saturdays or at any time on a Sunday or holiday except as provided below. For purposes of this section, "construction" does not include minor home repairs, lawn mowing, gardening and similar types of routine maintenance as identified in PMC 8.08.170(D).
    1. The City Engineer may permit, in writing, the use of powered construction equipment during specific hours before 7:00 a.m. or after 5:00 p.m. Monday through Saturday, or any time on a Sunday or holiday, if he or she determines that such operations are not detrimental to the health, safety, or welfare of the surrounding community, that the conduct of the activity is limited by the nature of the work, and that it is in the best interest of the public to perform the work outside of normal hours and days of work.
    2. A residential property owner constructing a single-family residence, or constructing an addition to, or otherwise modifying, a single-family residence for personal occupancy may operate powered construction equipment on Sundays or holidays between the hours of 10:00 a.m. and 5:00 p.m. in compliance with the requirements of subsection B of this section; provided, that:

a. The type of equipment used is limited to handheld construction equipment or equipment powered by small electrical motors, including, but not limited to, small cement mixers, table saws, and similar small equipment; and

b. The construction is not carried out for profit or livelihood. Upon request of the City, a property owner shall provide documentation, to the satisfaction of the Director of Development Services, of personal occupancy of the residence, or the intent to personally occupy the residence.

B. No such equipment, or combination of equipment regardless of age or date of acquisition, shall be operated so as to cause noise at a level in excess of 75 decibels for more than eight hours during any 24-hour period when measured at or within the property lines of any property which is developed and used either in part or in whole for residential purposes. These sound levels shall be corrected for time duration in accordance with the following table:

Total Duration in 24 Hours	Decibel Level Allowance	Total Decibel Level
Up to 15 Minutes	+15	90
Up to 30 Minutes	+12	87
Up to 1 Hour	+9	84
Up to 2 Hours	+6	81
Up to 4 Hours	+3	78
Up to 8 Hours	0	75

In the event that lower noise limit standards are established for construction equipment pursuant to State or Federal law, said lower limits shall be used as a basis for revising and amending the noise level limits specified in subsection B of this section.

Poway Comprehensive Plan: General Plan – Emergency Services Element

The Noise Hazards section of the Emergency Services Element of the Poway Comprehensive Plan: General Plan (General Plan), in compliance with Section 65302(f) of the Government Code requires a noise element that quantifies the community noise environment and serves to guide development to achieve noise compatible land uses, includes the following policy and strategies regarding noise (City of Poway 1991):

Goal VII, Policy H – Noise: The City shall ensure a safe and pleasant acoustical environment for the residents of Poway.

- **Strategy 1:** Utilize site planning, zoning, regulations, architectural design standards and building construction regulations to reduce noise impacts.
- **Strategy 2:** Review all discretionary project applications which include sensitive land uses for conformance with the Exterior CNEL Compatibility Matrix table.
- **Strategy 3:** Require mitigation measures for all proposed projects which are found, according to an Acoustical Analysis Report, to be subject to incompatible CNEL values.
- **Strategy 4:** Proposed land uses which generate noise should be subject to an Acoustical Noise Report, with mitigation measures to be specified.
- **Strategy 5:** An Acoustical Noise Report shall be prepared for all public works projects which have a potential for public noise exposure.
- **Strategy 6:** Increases in traffic noise caused solely by roadway improvements shall be mitigated to future levels which would have occurred without the improvement.

- **Strategy 7:** When noise protection barriers are needed, they shall be located in the most cost-effective location. The maximum protection for a given barrier height and length shall be determined by acoustical analysis using the current edition of the FHWA [Federal Highway Administration] noise level model program.
- **Strategy 8:** Noise protection walls may be limited to a height of eight feet, even when a taller wall may be needed to achieve Noise Element standards, if a taller one is deemed to be aesthetically degrading to the environment.
- **Strategy 9:** Mitigation wall will be at least four feet high, even if mitigation calculations call for a shorter wall.
- **Strategy 10:** A time-averaging should level meter meeting American National Standards Institute S.4 standards shall be used to enforce the noise control provisions of the Zoning Ordinance.
- **Strategy 11:** Enforce the provisions of the California Noise Insulation Standards (California Code of Regulations, Title 24) prior to issuing a building permit for multi-family dwelling units. If these units are located in an area of noise incompatibility (exposed to 60 decibels or more, CNEL), an Acoustical Analysis Report, as prescribed in Section IID of the Noise Hazard Element, shall be prepared demonstrating that interior noise levels of habitable rooms will not exceed 45 decibels.
- **Strategy 12:** The interior floor/ceiling and party wall assemblies for multi-family dwelling, whether or not they are located in areas of noise incompatibility, shall provide a minimum insulation between units of 45 decibels, FSTC [field transmission class].
- **Strategy 13:** Standard care and practice guidelines for building construction shall include, but not be limited to, the current edition of the American Standards for Testing and Materials, E-497, standard practice for installing sound-insulating lightweight partitions.
- **Strategy 14:** When new projects are submitted to the City that require Conditional Use Permits Tentative Map approval, etc. a report must be submitted that demonstrates that significant environmental impacts, including noise, are mitigated to less than significant levels.
- **Strategy 15:** Acoustical Analysis Report standards containing the required format, measurements, calculations and exhibits for land use, zoning and building permit applications shall be prepared and updated annually.

Poway General Plan EIR

The General Plan EIR Section 5.10 establishes the following mitigation measure related to noise. Development within the City of Poway, including the Specific Plan planning area, is subject to these measures: "6. The City of Poway shall ensure a safe and pleasant acoustical environment for the residents of Poway through site planning, zoning regulations, architectural design standards, and building construction regulations."

4.11.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts related to noise are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to noise would occur if the project would:

1. Result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.
2. Result in generation of excessive groundborne vibration or groundborne noise levels.

3. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the project area to excessive noise levels.

4.11.4 Impacts Analysis

Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Short-Term Construction

Construction noise and vibration are a temporary phenomenon. Construction noise and vibration levels vary from hour to hour and day to day, depending on the equipment in use, the operations performed, and the distance between the source and receptor.

Equipment that would be in use during the proposed project construction would include, in part, graders, backhoes, rubber-tired dozers, loaders, cranes, forklifts, cement mixers, pavers, rollers, and air compressors. The typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet are presented in Table 4.11-2. The listed maximum noise levels in Table 4.11-2 are, when downwardly adjusted by 6 dB to account for doubling the assessment distance to 100 feet, all compliant with the City's 85 dBA at 100 feet criterion per General Plan Noise Element.

It is anticipated that construction activities associated with the proposed project would take place primarily within the allowable hours of the City of Poway (7:00 a.m. and 5:00 p.m. Monday through Saturday). In the event that construction is required to extend beyond these times, extended hours permits would be required and would be obtained by the applicant.

It should be noted that the equipment noise levels presented in Table 4.11-2 are maximum noise levels. Usually, construction equipment operates in alternating cycles of full power and low or no power, producing average noise levels over time that are less than the maximum noise level. This is accounted for through the use of an "acoustical usage factor," expressing the percentage of time a piece of equipment is typically operational. The sound level produced by the construction activity also depends on where the equipment actually operates on site and the intensity of construction activities.

Table 4.11-2. Typical Construction Equipment Maximum Noise Levels

Equipment Type	Typical Equipment (L_{max}, dBA at 50 Feet)
All Other Equipment > 5 HP	85
Backhoe	78
Compressor (air)	78
Concrete Saw	90
Crane	81
Dozer	82
Excavator	81
Flat Bed Truck	74
Front End Loader	79

Table 4.11-2. Typical Construction Equipment Maximum Noise Levels

Equipment Type	Typical Equipment (L_{max}, dBA at 50 Feet)
Generator	72
Grader	85
Man Lift	75
Paver	77
Roller	80
Scraper	84
Welder / Torch	73

Source: DOT 2006; FTA 2018.
Note: L_{max} = maximum sound level; dBA = A-weighted decibels.

Aggregate noise emission from proposed project construction activities, broken down by sequential phase, was predicted at two distances to the nearest existing noise-sensitive receptor: 1) from the nearest position of the construction site boundary and 2) from the geographic center of the construction site, which serves as the time-averaged location or geographic *acoustical centroid* of active construction equipment for the phase under study. The intent of the former distance is to help evaluate anticipated construction noise from a limited quantity of equipment or vehicle activity expected to be at the boundary for some period of time, which would be most appropriate for phases such as site preparation, grading, and paving. At the site boundary distance, the analysis assumes that up to only one piece of equipment, for each listed type per phase, will be involved in the construction activity for a limited portion of the 8-hour period. In other words, at such proximity along the boundary of the site, the operating equipment cannot "stack" or crowd the vicinity and still be able to operate.

The distance to the acoustical centroid is used in a manner similar to the general assessment technique as described in the FTA guidance for construction noise assessment (FTA 2018), where the location of individual equipment for a given construction phase is uncertain and where construction equipment is anticipated to operate over some extent of the construction site, near and far. For the acoustical centroid case, which intends to be a geographic average position for all equipment during the indicated phase, this analysis assumes that the equipment may be operating up to all 8 hours per day. Table 4.11-3 summarizes these distances to the apparent closest noise-sensitive receptor for each of the seven sequential construction phases.

Table 4.11-3. Estimated Distances between Construction Activities and the Nearest Noise-sensitive Receptors

Construction Phase (and Equipment Types Involved)	Distance from Nearest Noise-Sensitive Receptor to Construction Site Boundary (Feet)	Distance from Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (Feet)
Demolition (concrete saw, excavator, dozer)	25	160
Site Preparation (dozer, backhoe)	25	160
Grading (excavator, grader, dozer, backhoe)	25	160
Building construction (crane, man-lift, generator, backhoe, welder)	25	160
Paving (paver, roller, concrete mixer truck)	25	160
Architectural Coating (compressor)	25	160

A Microsoft Excel–based noise prediction model, emulating and using reference data from the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels at the nearest occupied noise-sensitive land use. (Although the RCNM was funded and promulgated by the FHWA, it is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are often used for other types of construction.) Input variables for the predictive modeling consist of the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment, and the distance from the noise-sensitive receiver. The RCNM has default duty-cycle values for the various pieces of equipment, which were derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis, which are detailed in Appendix K. Conservatively, no topographical or structural shielding was assumed in the construction noise modeling. The predicted results from the construction noise modeling for the proposed project are displayed in Table 4.11-4.

Table 4.11-4. Predicted Construction Noise Levels per Activity Phase

Construction Phase (and Equipment Types Involved)	8-Hour Leq at Nearest Noise-Sensitive Receptor to Construction Site Boundary (dBA)	8-Hour Leq at Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (dBA)
Demolition (concrete saw, excavator, dozer)	84.9	73.1
Site Preparation (dozer, backhoe)	79.4	70.8
Grading (excavator, grader, dozer, backhoe)	84.2	71.5
Building construction (crane, man-lift, generator, backhoe, welder)	78.2	66.7
Paving (paver, roller, concrete mixer truck)	83.6	70.8
Architectural Coating (compressor)	78.7	59.1

Notes: L_{eq} = equivalent noise level; dBA = A-weighted decibels.

As presented in Table 4.11-4, the estimated construction noise levels are predicted to be as high as 85 dBA equivalent continuous sound level (L_{eq}) over an 8-hour period at the nearest existing residences (as close as 25 feet away) when demolition activities take place near the project boundary. Construction equipment noise levels for other activity phases are modeled to range from approximately 78 to 84 dBA L_{eq8h} at the nearest existing noise-sensitive receptor when construction operations take place near the project boundary. Note that these estimated noise levels at a source-to-receiver distance of 25 feet with the assumption that the heavy equipment associated with each phase is operating along the project boundary for a cumulative period of 2 hours a day with equipment performing work at more distant location or simply not operating the remaining time during the day. As such, this would result in an exceedance of the City of Poway construction noise limit of 75 dBA L_{eq8h}.

In order to avoid potentially significant construction noise impacts upon existing residences in the project vicinity, mitigation measure **MM-NOI-1** shall be implemented as indicated site conditions may warrant. Proper application of temporary noise barriers, or comparable sound abatement, that may arise as a result of **MM-NOI-1** implementation has the ability to realize a reduction in noise levels of 10 dB or more, that would correspondingly reduce the predicted 85 dBA 8-hour L_{eq} for the construction phases to a level of 75 dBA L_{eq8h} or less, and thus compliant with the 75 dBA threshold. With implementation of **MM-NOI-1**, noise impacts related to project construction would be **less than significant with mitigation incorporated**.

Long-Term Operational

Off-Site Traffic Noise Exposure

The proposed project would result in the creation of additional vehicle trips on local arterial roadways, which could result in increased traffic noise levels at adjacent noise-sensitive land uses. Appendix K contains a spreadsheet with traffic volume data (average daily traffic). In particular, the proposed project would create additional traffic along Oak Knoll Road, which according to the Traffic Impact Assessment prepared for the proposed project (Intersecting Metrics 2022) would add 640 total average daily trips adjacent to the project site.

According to Caltrans, a 3 dB change in sound is the beginning at which humans generally notice a barely perceptible change in sound, a 5 dB change is generally readily perceptible, and a 10 dB increase is perceived by most people as a doubling of the existing noise level (Caltrans 2013). Due to the existing and proposed urban setting of the project area, a readily perceptible change in traffic noise levels (5 dBA change) would be the appropriate threshold to determine significant increases in traffic noise.

Potential noise effects from vehicular traffic were assessed using the Federal Highway Administration's Traffic Noise Model version 2.5 (FHWA 2004). Information used in the model included the roadway geometry, existing (year 2022), existing plus project, near-term (opening day) and near-term (opening day) plus project traffic volumes and posted vehicular speed limits. Traffic noise levels were modeled at representative noise-sensitive receivers ST1 through ST4, as shown in Figure 4.11-1. The receivers were modeled to be 5 feet above the local ground elevation. The noise model results are summarized in Table 4.11-5. Based on results of the model, implementation of the proposed project would not result in readily perceptible increases in traffic noise.

Table 4.11-5. Traffic Noise Modeling Results

Modeled Receiver No.	Modeled Traffic Noise Levels (dBA CNEL)				Maximum Project-Related Noise Level Increase (dB)
	Existing (2022)	*Existing (2022) with Project*	*Near-Term (Opening Day) without Project*	*Near-Term (Opening Day) with Project*	
ST1	58.7	59.4	59.3	59.7	0.7
ST2	46.3	46.6	47.0	46.0	0.3
ST3	50.6	50.7	51.2	51.2	0.1
ST4	58.8	58.8	59.4	59.4	0

Source: Appendix K.
Notes: dBA = A-weighted decibel; CNEL = community noise equivalent level; dB = decibel.

Table 4.11-5 shows that at all four listed representative receivers, the addition of proposed project's traffic to the roadway network would result in an increase of less than 3 dB CNEL, which is below the perceptible level of change for the average healthy human ear. Thus, long-term traffic noise increases associated with the proposed project, affecting existing residences in the vicinity would be a **less-than-significant** impact.

On-Site Traffic Interior Noise Exposure

The City and the state require that interior noise levels not exceed a CNEL of 45 dB within residences. Typically, with the windows open, building shells provide approximately 15 dB of noise reduction; with windows closed, residential construction generally provides a minimum of 25 dB attenuation. Therefore, rooms exposed to an

exterior CNEL not greater than 60 dB would result in an interior CNEL of 45 dB or less even with windows open. But when exterior CNEL values range from 60-70 dBA, the windows would need to be closed and thus require that the occupied structure feature mechanical ventilation for interior comfort.

The FHWA TNM model was further implemented to determine the future exterior noise levels at a representative sample of the proposed new homes on lots parallel with Oak Knoll Road. The receivers corresponding to the exterior building façade of the proposed new homes were calculated at modeled building positions B1, B3, B5, B23, B62, and B64, as shown below in Table 4.11-6 and on Figure 4.11-1.

Table 4.11-6. Future Traffic Noise Levels at Residential Facades

Building	Noise Level (CNEL)	
	1st Floor	*2nd Floor*
B1	56.1	56.4
B3	56.9	57.1
B5	56.2	56.5
B23	53.9	57.3
B62	58.8	58.9
B64	58.8	58.8

Traffic noise results displayed in Table 4.11-6 indicate that future traffic noise exposure levels at the closest building facades to Oak Knoll would all be under the maximum exterior noise level threshold for single-family residences (60 CNEL dBA) and would consequently be anticipated to result in an interior CNEL of 45 dB or less, even with the windows open (i.e., 59 dBA CNEL minus 15 dB = 44 dBA CNEL). Therefore, future roadway traffic noise levels at the interior of the proposed residences would be a **less-than-significant** impact.

Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Construction activities may expose persons to excessive groundborne vibration or groundborne noise, causing a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2020). Information from Caltrans indicates that continuous vibrations with a PPV of approximately 0.2 ips is considered “annoying.” For context, heavier pieces of construction equipment, such as a bulldozer that may be expected on the project site, have peak particle velocities of approximately 0.089 ips or less at a reference distance of 25 feet (Appendix K).

Groundborne vibration attenuates rapidly—even over short distances. And when groundborne vibration encounters a building foundation, a coupling loss occurs depending on the mass and design. For typical wood-framed houses, like those near the proposed project, this coupling loss is 5 vibration velocity decibels according to FTA guidance (FTA 2006). The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, for a bulldozer operating on site and as close as the western project boundary (that is 25 feet from the nearest receiving sensitive land use) the estimated vibration velocity level would be 0.089 ips and thus no greater than the annoyance threshold recommended by Caltrans. Therefore, vibration-induced annoyance to occupants of nearby existing homes would be **less-than-significant**.

Construction vibration, at sufficiently high levels, can also present a building damage risk. However, anticipated construction vibration from conventional heavy equipment associated with this proposed project would not yield levels that surpass this risk. Per Caltrans, the recommended PPV threshold for newer residential structures is 0.5 ips and 0.3 ips for older residential structures—both of which are less stringent than the aforementioned threshold to annoy occupants of such structures; thus, vibration damage risk to nearby structures is considered **less-than-significant.**

Furthermore, as outlined in Section 4.4, Cultural and Tribal Resources, of this EIR, mitigation measure MM-CUL-1 would be implemented to reduce the potential for any construction vibration impacts on the historic Harmon House that exists on site.

Once operational, the proposed project is not anticipated to include major producers of groundborne vibration. On this basis, vibration due to proposed project operation should be **less than significant**.

For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

There are no private airstrips within the vicinity of the project site. The closest airport to the proposed project site is the Marine Corps Air Station Miramar, approximately 6.75 miles northeast of the site and would therefore not expose people residing or working in the project area to excessive noise levels. Impacts would be **less than significant**.

4.11.5 Cumulative Impacts

Noise levels tend to diminish quickly with distance from a source; therefore, the geographic scope for the analysis of cumulative impacts related to noise was limited to locations within proximity to noise-generating operational components and construction equipment. Implementation of the proposed project would result in significant noise impacts associated with construction activities. However, noise is a localized occurrence and attenuates rapidly with distance. Therefore, only future development projects in the direct vicinity of the project site could add to construction- or stationary-source noise generated by the proposed project and result in a cumulative noise impact.

Excessive Noise Levels

A cumulative noise impact would occur if development associated with cumulative projects would expose new land uses to noise levels that exceed proposed noise compatibility guidelines. Cumulative projects within the region would be subject to regulations that require compliance with noise standards, including Title 24, and the City's applicable Noise Ordinance and General Plan policies. Looking at the cumulative projects in the area, the distance to the nearest project is approximately 0.25 miles away, which would make cumulatively considerable noise impacts unlikely. In this case, the noise from added cars to roadways would not travel far enough to create excessive noise levels in the project area. Additionally, approved projects would be subject to the same noise policies and ordinances as would apply to the proposed project. Therefore, the proposed project **would not result in a cumulatively considerable contribution** to excessive noise levels.

Excessive Groundborne Vibration

A cumulative groundborne vibration impact would occur if one or more projects in the area would result in combined groundborne vibration that would increase vibration to a level that would result in sleep disturbance or interfere with activities at vibration-sensitive land uses (e.g., precision labs, surgical facilities). Groundborne vibration

impacts could result from construction operations, railroad operations, or mining. As discussed in Section 4.11.1, Existing Conditions, the project would not result in impacts related to excessive groundborne vibration during construction or operation. Consequently, the proposed project **would not result in a cumulatively considerable contribution** related to excessive groundborne vibration.

Permanent Increase in Ambient Noise Levels

A cumulative noise impact would occur if construction and development associated with cumulative regional land use projects, such as those identified in adjacent city and county general plans and regional transportation plans, would result a permanent increase in ambient noise that exceeds the applicable noise standards on roadways throughout the region. At this time, it is assumed that the approved near-term projects said to be completed by 2025 would be outside of the proposed project's noise influence area. That said, the closest near-term approved project would be Poway Road Mixed Use project located approximately 0.25 miles from the proposed project. The construction and operation of the Poway Road Mixed Use project would have a less than significant impact on ambient noise levels, and therefore, the project would **not result in a cumulatively considerable impact.**

Temporary Increase in Ambient Noise Levels

A cumulative temporary noise impact would occur if one or more cumulative projects in close proximity to one another would be constructed at the same time and result in combined construction noise levels that exceed 75 dBA. With respect to construction noise, construction sites that are located within approximately 0.25 miles of one another would have the potential to cause an increase in noise exposure levels for receptors located near each of the sites, compared to a single construction project occurring at a single point in time. Based on the list of cumulative projects (as taken from Appendix L, Local Transportation Assessment for Harmon Ranch), it is not anticipated that another project would be actively under construction within 0.25 miles of the project site during the same construction period as the proposed project. Although the proposed project would result in exceedance of the City's construction noise limit of 75 dBA L_{eq}, there is no currently proposed or approved construction projects that would occur within 0.25 miles of the project site during the same timeframe. With implementation of MM-NOI-1, temporary increases in ambient noise levels would **not be cumulatively considerable**.

Excessive Noise Exposure from Airports

Noise related to airports is generally site specific and not cumulative in nature. The placement of a structure within the noise contours of a public airport or in close proximity to a private airstrip would not affect airport noise related to the placement of another cumulative project. The proposed project is not within the vicinity of a public or private airport; therefore, **no cumulative impact** would occur.

4.11.6 Mitigation Measures

The following mitigation measures would be implemented to reduce potentially significant impacts to less than significant.

MM-NOI-1 Prior to the issuance of a Construction Permit, the project applicant/owner or construction contractor shall prepare and submit to the City of Poway Planning Division for its review and approval a Construction Noise Management Plan (CNMP). Prior to the issuance of a Construction Permit, construction plans shall also include a note indicating compliance with the CNMP is required. The CNMP shall be prepared or reviewed by a qualified acoustician (retained at the project applicant/owner or construction contractor's expense) and feature the following:

1. A detailed construction schedule, at daily (or weekly, if activities during each day of the week are typical) resolution and correlating to areas or zones of on-site project construction activities and the anticipated equipment types and quantities involved. Information shall include expected hours of actual operation per day for each type of equipment per phase and indication of anticipated concurrent construction activities on site.
2. Suggested locations for noise level monitoring, attended by a qualified acoustician or another party under his/her supervision or direction, at which sample outdoor ambient noise levels will be measured and collected over a sufficient sample period and subsequently analyzed to ascertain compliance with the eight-hour City of Poway threshold of 75 dBA equivalent noise level. Sampling shall be performed, at a minimum, on the first (or otherwise considered typical construction operations) day of each distinct construction phase (e.g., each of the six listed phases in Table 4.11-3, Construction Phase Distance to Nearest Pre-Existing Noise-Sensitive Receptors).
3. If sample collected noise level data indicates that the eight-hour noise threshold has or will be exceeded, construction work shall be suspended (for the activity or phase of concern) and the project applicant/owner or construction contractor shall implement one or more of the following measures as detailed or specified in the CNMP:
    a. Administrative controls (e.g., reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances of noise-sensitive receptors).
    b. Engineering controls (upgrade noise controls, such as install better engine exhaust mufflers, silencers, engine bay dampening, etc.).
    c. Install noise abatement on the project site boundary fencing (or within the project site, as practical and appropriate) in the form of sound blankets or comparable temporary barriers to occlude construction noise transmission between the project site (or specific equipment operation as the situation may define) and the noise-sensitive receptor(s) of concern.

The implemented measure(s) shall be reviewed or otherwise inspected and approved by the qualified acoustician (or another party under his/her supervision or direction) prior to resumption of the construction activity or process that caused the measured noise of concern or need for noise mitigation. Noise levels shall be re-measured, after installation of said measures, to ascertain post-mitigation compliance with the noise threshold. As needed, this process shall be repeated and refined until noise level compliance is demonstrated and documented. A report of this implemented mitigation and its documented success shall be provided to the City of Poway Planning Division.

1. The project applicant/owner or construction contractor shall make available a telephone hotline so that concerned neighbors in the community may call to report noise complaints. The CNMP shall include a process to investigate these complaints and, if determined to be valid, detail efforts to provide a timely response and resolution to the complainant—with copy of resolution provided to the City of Poway Planning Division.

4.11.7 Level of Significance after Mitigation

In order to reduce potentially significant construction noise impacts, mitigation measure **MM-NOI-1** shall be implemented. With implementation of **MM-NOI-1**, construction noise impacts would be reduced to a **less-than-significant** level. Noise impacts due to long-term operation of the proposed project (including traffic noise) would be a **less than significant** impact. No further mitigation beyond what has been described herein for construction noise is anticipated at this time.

SOURCE: SAN GIS 2017

DUDEK

0 100 200 Feet

FIGURE 4.11-1

Noise Measurement and Modeling Locations

Harmon Ranch Specific Plan Project EIR

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4.12 Population and Housing

This section describes the existing population and housing conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures, if necessary, related to implementation of the proposed project.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to population and housing focused on the following topics:

- Density of housing

These comments were considered during the preparation of this environmental impact report (EIR). The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.12.1 Existing Conditions

Population

The San Diego Association of Governments (SANDAG) is the council of governments and metropolitan planning organization responsible for developing demographic projections, including population, household, and employment projection for jurisdictions in the County of San Diego (County), including for the City of Poway (City). SANDAG is required to update these forecasts every 4 years.

According to SANDAG population estimates, the County supported 3,315,396 people as of 2021 (SANDAG 2022a). According to the SANDAG Series 14 Regional Growth Forecast, by 2050, the County's population is expected to reach 3,746,054 (SANDAG 2022b). According to SANDAG estimates, the City supported 48,936 residents in 2021, and its population is expected to reach 50,565 by 2035, and 51,234 by 2050 (SANDAG 2022c, 2022d). According to the U.S. Census Bureau, population for the City of Poway was 48,421 on July 1, 2022 (U.S. Census Bureau 2023).

Housing

According to SANDAG housing estimates for the County, there were 1,220,069 total housing units as of 2021 (SANDAG 2022a). According to the Series 14 Regional Growth Forecast, the County is forecasted to have approximately 1,471,286 total housing units by 2050 (SANDAG 2022b). According to the SANDAG estimates, the City had 16,723 total housing units in 2021, with single-family housing units accounting for 13,322[1] (SANDAG 2022c). The Series 14 Regional Growth Forecast for the City estimated an increase of housing units to 17,331 by 2035, and 17,640 by 2050 (SANDAG 2022d). This change would account for an average annual increase of 0.3 percent annually and approximately 4 percent total from 2021 to 2035, and approximately 0.2 annually or 5 percent housing increase from 2021 to 2050.

Like most regions of the state, the County is currently experiencing a housing affordability crisis. However, even by regional standards, the City's housing affordability issues are markedly difficult. The average home sale values in the City were higher than all other inland jurisdictions in the County, having nearly doubled since 2011 (i.e., from

[1] Estimate includes attached (12,308) and detached (1,014) single-family housing units (SANDAG 2022a).

$448,750 in 2021 to $840,154 in 2021). According to the City's Housing Element Update, the City's housing affordability crisis affects current and potential residents of all income levels (City of Poway 2021a):

> Based on the range of prices and median sales prices for single-family homes and condominiums in Poway, all income categories, even many above-moderate income households, face limited choices in purchasing a home in the City. Depending on household size and the number of bedrooms required, even above moderate-income households earning as much as twice the median household income may face difficulties in finding adequately size homes to purchase that are affordable.

To compound the issue, the City has a low vacancy rate, particularly for single-family housing. From 2010 to 2018, single-family housing vacancy rates remained constant at three percent and multi-family housing slightly increased from 6.9 percent to 8.9 percent. As of January 2022, the City's overall vacancy rate was 2.9 percent. These data suggest that all housing and particularly single-family housing is in high demand within the City, which has the potential to further drive up the cost of housing and exacerbate issues of affordability (DOF 2022). Furthermore, according to the City's Housing Element Update, between 2010 and 2018, total housing in the City saw only a marginal (i.e., 2.8%) increase from 14,984 units in 2010 to 15,397 total units in 2018 (City of Poway 2021a). Of the 413 total housing units built over this time, approximately 40 percent (163 housing units) were single-family, and 60 percent (249 housing units) were duplex or multifamily (City of Poway 2021a). The sluggish rate of recent development coupled with the high cost of housing and low vacancy rates suggest that the City is in critical need of additional housing, including single-family housing, which (as discussed above) has in recent years exhibited a lower vacancy rate and slower rate of development compared to multifamily housing in the City over the same period.

4.12.2 Relevant Plans, Policies, and Ordinances

Set forth below are short descriptions of the laws and applicable regulations that generally apply to population and housing issues in the Project area. This information helps to place the impact analysis within its proper regulatory context. As it is reasonable to assume that construction and implementation of a project would comply with existing law, this EIR does not specifically assess the Project's ability to comply with applicable regulatory requirements, except in those instances where a regulatory standard is being used as the threshold for determining impact significance.

Federal

No federal regulations related to population and housing apply to the proposed project.

State

California Planning and Zoning Law

The legal framework in which California cities and counties exercise local planning and land use functions is provided in Sections 65000–66499.58 of the California Government Code, the California Planning and Zoning Law. Under state planning law, each city and county must adopt a comprehensive, long-term general plan. State law gives cities and counties wide latitude in how a jurisdiction may create a general plan, but there are fundamental requirements that must be met. These requirements include seven mandatory elements described in the California Government Code. Each of the elements must contain text and descriptions setting forth objectives, principles,

standards, policies, and plan proposals; diagrams and maps that incorporate data and analysis; and implementation measures.

California Building Standards Code

In 2001, California consolidated the Uniform Building, Plumbing, Electrical, and Mechanical codes into the California Building Standards Code, which is contained in Title 24 of the California Code of Regulations. The California Building Standards Code contains 11 parts: Electrical Code, Plumbing Code, Administrative Code, Mechanical Code, Energy Code, Residential Building Code, Historical Building Code, Fire Code, Existing Building Code, Green Building Standards Code, and the Reference Standards Code. These codes promote public health and safety and ensure that safe and decent housing is constructed in the state. The codes serve to protect residents from hazards and risks, and are not considered to be undue constraints to housing production. The 2022 California codes became effective in January 2023.

Senate Bill 9

Senate Bill 9 mandates jurisdictions, like the City, to ministerially approve a housing development containing no more than two residential units on a single lot within a single-family residential zone, excluding certain areas (for the purposes of Senate Bill 9, "units" is inclusive of ADUs and Junior Accessory Dwelling Units [JADUs]). ADUs may be permissible after two main single-family residences on a single lot are established. Additionally, the City must ministerially process an Urban Lot Split in accordance with Senate Bill 9 and eligible development standards. Only properties that are zoned primarily for single-family residences qualify (e.g., RS-1 thru RS-7). Furthermore, according to City standards, certain areas are excluded from Senate Bill 9 eligible development, including properties within a hazardous waste site, flood zone, habitat conservation area, wetland area, or a very high fire hazard severity zone (City of Poway 2021a). As the project site is within a very high fire hazard severity zone, the residential lots of the project site would be excluded from qualifying for Senate Bill 9 developments (CAL FIRE 2023; City of Poway 2021b).

Senate Bill 375

Senate Bill 375 (codified in the Government Code and Public Resources Code) took effect in 2008 and provides a new planning process to coordinate land use planning, regional transportation plans, and funding priorities in order to help California meet the greenhouse gas (GHG) reduction goals established in Assembly Bill 32. Senate Bill 375 requires metropolitan planning organizations to incorporate a Sustainable Communities Strategy (SCS) in their Regional Transportation Plans (RTPs) that will achieve GHG emissions reduction targets by reducing vehicle miles traveled from light-duty vehicles through the development of more compact, complete, and efficient communities.

Regional Housing Needs Assessment

State Housing Law mandates metropolitan planning organizations undertake a Regional Housing Needs Assessment (RHNA) as part of the periodic process of updating the local housing elements of their general plans. The RHNA quantifies the need for housing within each jurisdiction during specified planning periods. Communities use the RHNA in land use planning, prioritizing local resource allocation, and in deciding how to address identified existing and future housing needs resulting from population, employment, and household growth. The RHNA does not necessarily encourage or promote growth, but rather allows communities to anticipate growth, so that the region and subregion can grow in ways that enhance quality of life, improve access to jobs, promote transportation mobility, and address social equity, fair share housing needs.

The Housing Crisis Act of 2019 (Senate Bill 330)

Through the passage of the Housing Crisis Act of 2019 (Senate Bill 330), codified in the California Government Code, effective January 1, 2020, the state legislature has declared a statewide housing emergency. The goal of the Housing Crisis Act is to suspend certain restrictions on development of new housing and encourage local governments to approve more housing development projects.

Local

San Diego Association of Governments

SANDAG is a public agency, composed of 18 cities and the County, which oversees development of region-wide strategic plans guiding the San Diego region in land use, growth, economics, and the environment. SANDAG has prepared regional growth forecasts for the San Diego region since the 1970s. These forecasts are developed through a collaborative effort with experts in demography, housing, the economy, and other disciplines, with the close cooperation of local planning directors and their staffs. The latest version of these forecasts is referred to as the Series 14 Regional Growth Forecast, which identifies regional growth in population, housing units, and jobs from 2016 through 2050.

San Diego Forward: The Regional Plan

Over the years, SANDAG has coordinated regional efforts to address a large number of important issues. On December 10, 2021, the SANDAG Board of Directors approved the 2021 Regional Plan (SANDAG 2021a). The 2021 Regional Plan is based on the most recent planning assumptions considering adopted general plans, and other factors, from all 18 cities of the region and the County. In accordance with specific state and federal mandates, the 2021 Regional Plan is a long-term (approximately 30-year) planning document that provides a growth management strategy for the region, combining the required RTP, SCS, and Regional Comprehensive Plan into one comprehensive regional document. In accordance with SB 375 requirements for an SCS, the 2021 Regional Plan describes coordinated transportation and land use planning to achieve the state's target for reducing per capita GHG emissions set by the California Air Resources Board (CARB).[2] The state mandated target is a 19 percent reduction in per capita GHG emissions from cars and light-duty trucks by 2035 compared with a 2005 baseline. The 2021 Regional Plan will result in reduced GHG emissions that will exceed the state's emission reduction targets, reaching per capita reductions of 20 percent by 2035 (SANDAG 2021a). The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability (including accommodation of the state mandated RHNA), and economic prosperity (SANDAG 2021a).

As part of the development of the 2021 Regional Plan, SANDAG was required to prepare an EIR that assesses how the 2021 Regional Plan will impact resources such as air quality, biological resources, greenhouse gas emissions, population, housing, and other topics as mandated by the state. The Final EIR for the 2021 Regional Plan established that implementation of the plan would induce unplanned growth in some areas of the San Diego region. However, the EIR also concluded that the 2021 Regional Plan was developed to accommodate forecasted regional growth and that a failure to do so would be inconsistent with federal and state requirements (SANDAG 2021b): "[P]recluding growth in the region would conflict with the requirements to provide sufficient housing for the region's population contained in SB [Senate Bill] 375… [Further,] Government Code Section 65080(b)(2)(B)(ii) requires that the RTP/SCS [which are required components of the 2021 Regional Plan] house all the population of the region,

[2] CARB establishes targets for each region in California governed by a metropolitan planning organization, including SANDAG, which is the metropolitan planning organization for the San Diego region.

including all economic segments of the population, over the course of the planning period" (SANDAG 2021a, 2021b). Per the 2021 Regional Plan's Final EIR, impacts related to substantial increases in population under the 2021 Regional Plan were determined to be significant and unavoidable (SANDAG 2021b). The Final EIR for the 2021 Regional Plan (State Clearinghouse No. 201004106) was certified by the SANDAG Board of Directors on December 10, 2021 (SANDAG 2021b).

While SANDAG is currently implementing the 2021 Regional Plan, preparation of the next 4-year cycle has already begun, with the 2025 Regional Plan anticipated to be adopted by December 2025 (SANDAG 2023). In accordance with CEQA, SANDAG is currently preparing an EIR for the 2025 Regional Plan, and recently issued a Notice of Preparation to provide information to the public describing the proposed plan and its potential environmental effects (SANDAG 2023).

As recognized by the need for updates every 4 years, SANDAG's Regional Plan will necessarily change in response to the ongoing land use planning of the County and comprising cities. These land use inputs may change based on general plan amendments initiated by the jurisdiction or landowner applicants. The general plan amendments may result in increases in development densities by amending the Regional Category designations or zoning classifications. Accordingly, the latest forecasts in SANDAG's Regional Plan of future development in the San Diego region, including location, must be coordinated closely with each jurisdiction's ongoing land use planning, as that planning is dynamic and can be difficult to predict with certainty.

Regional Growth Forecast

Since 1972, SANDAG has produced long-range forecasts of population, housing, and employment for the San Diego region that are used as a basic resource for numerous purposes. For example, SANDAG uses these forecasts to develop its SCS and supporting transportation network in the Regional Plan; water agencies (e.g., San Diego County Water Authority and local retail water districts) use the data for water planning purposes; and utility providers use the data for long-range planning. The County and local jurisdictions also use the forecast data for general plan and infrastructure planning purposes.

SANDAG's most recent forecast—the Series 14 Regional Growth Forecast is the basis for the Regional Plan. These forecasts represent an assessment of the changes that SANDAG anticipates for the San Diego region based on the best available information and computer modeling. As stated, the forecasts are based on the most recent planning assumptions, considering local general plans and other factors, per Senate Bill 375 (Government Code Section 65080[b][2][B]). The SANDAG forecasts are meant to help decision makers prepare for the future and, according to SANDAG, are "not an expression for or against growth" (SANDAG 2013).

As discussed above, land use planning is dynamic and can be difficult to predict with certainty. This is evidenced by the fact that, since 2008, SANDAG's regional growth forecasts have consistently over-forecasted anticipated the population of the San Diego region. Projections from the Series 12 (adopted 2011) and Series 13 (adopted 2013) Regional Growth Forecasts for buildout year 2020 show that SANDAG over-forecasted population by 191,651 and 92,364 residents, respectively (SANDAG 2011, 2013). The historical over-projection of SANDAG's population forecasts suggest that, for at least the past 14 years, the region has not achieved their projected share of regional population growth.

Regional Housing Needs Assessment

SANDAG is required by state law (Government Code Section 65584[a]) to complete a RHNA, in consultation with the California Department of Housing and Community Development, to determine the region's housing needs in

four income categories: very low, low, moderate, and above moderate. The RHNA allocates housing needs in the four income categories for each of the cities and the County to use in their housing element. The cities and County are required to update their housing elements to include RHNA allocations every 8 years.

The federal, state, and regional growth forecasts concluded that the San Diego region was projected to need 171,685 new dwelling units by 2029 (SANDAG 2021a). SANDAG is responsible for distributing the state's allocation of housing need in an equitable way to each jurisdiction. To facilitate this process, SANDAG prepares a RHNA Plan, which is updated every 5 years (approximately) to reflect changes in the population and assess the need for housing in the San Diego region. The most recent assessment was approved on July 5, 2018, and the 6th Cycle RHNA Plan (RHNA Plan) was adopted on July 10, 2020. The RHNA Plan is included as Appendix K, Regional Housing Needs Assessment Plan, of the 2021 Regional Plan (SANDAG 2021a).

The purpose of the RHNA Plan is to identify the existing and projected housing needs for the San Diego region's local jurisdictions. The RHNA Plan defines existing housing opportunities and the need for more affordable options. Local jurisdictions, including the County, use this information to prepare the housing elements of their general plans. As set forth in the RHNA Plan, each jurisdiction is assigned a number of units it will be required to reflect in its housing element. Units are further divided by income category need. Of the 171,685 new dwelling units required in the San Diego region by 2029, 1,319 units are to be accommodated for within the City (City of Poway 2021a). Specifically, SANDAG's final RHNA for the City consists of 468 very low, 268 low, 241 moderate. 342 above moderate income units (City of Poway 2021a).

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) is a statement of what the representatives of the residents want for their community in the future. Its function is to allow the citizens to consciously consider the shape their City will take for the foreseeable future and to preserve and enhance those qualities they presently find appealing. It accomplishes this by setting forth broad goals, and translating these goals into specific policies and strategies to accomplish the plan's objective. The goals of the City's General Plan as they relate to population and housing are as follows (City of Poway 1991).

Goal XI: It is the goal of the City of Poway to provide adequate, appropriate housing opportunities to meet the needs of current and future residents.

Policy A – Existing Housing: Preserve and maintain existing housing and neighborhoods to ensure that housing is both sound and safe for occupants and to meet as much as possible of the housing needs of the current and future residents of Poway through existing development.

- **Strategy 1:** The retention and maintenance of all existing mobile home parks shall be encouraged through use of a mobile home park zone and through acquisition and operation of parks by the City/Redevelopment Agency.
- **Strategy 2:** The retention of an adequate supply of rental housing shall be encouraged by maintaining ordinance provisions that restrict condominium conversions in the Residential Apartment category/RA zone and which require that new developments in this category be for rental only.
- **Strategy 3:** Promote increased awareness among property owners and residents of the importance of property maintenance to long-term housing quality.
- **Strategy 4:** Adopt ordinance requiring that all renter occupied housing be kept in a well maintained safe and sanitary condition.

- **Strategy 5:** Participate, through the County of San Diego Housing Authority, in a program of low interest rehabilitation loans to assist low and moderate income homeowners whose homes are in need of repair.
- **Strategy 6:** Maintain ordinance provisions prohibiting the occupancy of substandard dwelling units and requiring that such units be made to comply with all applicable zoning, building safety, and housing codes or when this cannot be achieved that such units be demolished.
- **Strategy 7:** Take actions necessary to ensure that assisted rental units at risk of conversion are not converted to market rate units
- **Strategy 8:** Investigate opportunities and funding sources to assist households with members who are handicapped to appropriately retrofit existing housing.
- **Strategy 9:** Support the shared housing referral and information service.
- **Strategy 10:** Continue to participate in housing programs administered by the County Department of Housing and Community Development which provide housing assistance.
- **Strategy 11:** Investigate opportunities and funding sources to provide assistance to low and moderate income households to reduce the incidence of housing overpayment.

Policy B – New Housing: Provide opportunities for high quality new housing construction as necessary to meet the needs of current and future Poway residents including those with special needs.

- **Strategy 1:** Ensure that housing constructed for very-low, low, and moderate income households be high quality in terms of design and construction and be compatible in design with surrounding development.
- **Strategy 2:** Establish land use and zoning categories in the General Plan and Zoning Ordinance that allow a diversity of housing types to be built to provide for the actual needs of residents while minimizing conflicts with existing development and unnecessary erosion of residents' quality of life and investment in their homes.
- **Strategy 3:** In-fill development shall be encouraged in order to make efficient use of existing public infrastructure.
- **Strategy 4:** Encourage the use of innovative site development techniques and the use of alternative building materials that both meet the intent of City policies and ordinances and reduce the cost of site preparation or construction.
- **Strategy 5:** Regularly review development fee schedules to ensure that user charges and fees are consistent with costs incurred by the City. Pursue a reduction of fees to affordable housing projects.
- **Strategy 6:** Determine the feasibility of using public subsidies to assist in the development of affordable housing.
- **Strategy 7:** Require coaches and lots within newly created mobile home parks to be held in common ownership except in cases where the coaches and or lots are owned by a public agency or nonprofit housing entity.
- **Strategy 8:** Encourage the development of affordable housing for the elderly in proximity to public transportation and community services.
- **Strategy 9:** Encourage the development of residential units which are accessible to handicapped persons or are adaptable for conversion to use by handicapped persons.
- **Strategy 10:** Investigate programs to assist first-time buyers.
- **Strategy 11:** All new businesses which employ more than five persons in agricultural or landscaping jobs shall provide suitable housing for them or pay an in lieu fee to allow such housing to be provided.
- **Strategy 12:** Require that housing constructed expressly for very low, low, and moderate income households not be concentrated in any single area.

- **Strategy 13:** Encourage the development of childcare facilities coincident with new housing development and consider the use of incentives such as density bonus reduced development fees and or financial assistance.
- **Strategy 14:** Require deed restrictions for new units provided under this policy in order to ensure their permanent affordability.

Policy C – Fair Housing Practices: Assure that all housing whether market or assisted is sold or rented in conformance with open housing policies free of discriminatory practices.

- **Strategy 1:** Make every reasonable effort to ensure that the provisions of all applicable Federal and State laws and regulations concerning nondiscrimination are enforced.
- **Strategy 2:** Disseminate information on housing discrimination complaints to appropriate agencies.

City of Poway's Housing Element Update

The City's Housing Element Update is an 8-year plan for the 2020–2029 housing cycle for jurisdictions in the San Diego region (City of Poway 2021a). The Housing Element Update serves as an integrated part of the General Plan, but is updated more frequently, as required by state law, to ensure its relevancy and accuracy. The Housing Element identifies strategies and programs that focus on the following (City of Poway 2021a):

- Matching housing supply with need
- Maximizing housing choices throughout the community
- Assisting in the provision of affordable housing
- Removing governmental and other constraints to housing investment
- Promoting fair and equal housing opportunities

The City will continue to implement key programs and provisions of the Housing Element Update through 2029, including those intended to increase the availability of housing with emphasis on meeting the needs of and providing affordable housing to local workers while affirmatively furthering fair housing (City of Poway 2021a).

4.12.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to population and housing are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to population and housing would occur if the project would:

1. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure).
2. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere.

4.12.4 Impacts Analysis

Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The proposed project would allow for up to 63 single-family homes, which would increase the population within the project site and in the area. The project site currently includes several existing single-family homes, a storage/staging area, and open space uses. Proposed project land uses would include residential and open space uses, in addition to residential streets and a public roadway (i.e., Oak Knoll Road, which bisects the project site to the south). Table 4.12-1, below, describes the distribution and maximum development intensity of uses as permitted in on the project site.

Table 4.12-1. Project Land Use Summary

Use/Land Use	Net Acres	Percent of Planning Area	Maximum Housing Units	Density (Housing Units per Acre)
Non-Residential Land Uses *(Open Space and Streets)*				
Open Space (OS-1 & 2) (Floodway)	1.88	16.3	N/A	N/A
Open Space (OS-3 & 4)	0.31	2.7	N/A	N/A
Open Space Recreation (OSR-1 to 7)	0.99	8.6	N/A	N/A
Subtotal Open Space	*3.18*	*27.6*	*N/A*	*N/A*
Private Internal Residential Streets	1.88	16.3	N/A	N/A
Oak Knoll Road ROW (existing)	0.49	4.3	N/A	N/A
Subtotal Streets	*2.37*	*20.6*	*N/A*	*N/A*
Subtotal Non-Residential	*5.55*	*48.2*	N/A	N/A
Residential Land Use				
Residential Single Family (R-SF) (Lots 1 to 64)	5.96	51.8	64[b]	N/A
Project Area				
Total[a]	**11.51**	**100**	**64**	**8.8**

Source: Appendix Q.
Notes: N/A = not applicable.
All acreage, percentage, and density calculations are approximate.
[a] Includes one existing home, which would be preserved as part of the project.
[b] Open Space areas within the floodway (OS-1 and OS-2) and public street (Oak Knoll Road) and internal private streets are excluded from the density calculation.

The existing General Plan Land Use and Zoning Map designates the entire project site as Residential Single-Family 7 (RS-7) (City of Poway 2023). As discussed in Chapter 3, Project Description, the proposed project's General Plan amendment and zone change would redesignate the project site as Planned Community (PC). Although the proposed land use and zone change would allow for a total of 64 housing lots on the project site, one of these units is existing, designated as historical under baseline conditions, and would be retained in place as part of the project. Therefore, the project would result in a total of 63 new housing units with the potential to induce population growth.

According to DOF, there are approximately 2.92 persons per household in the City. Following those averages, the proposed project would add approximately 184 people to the City's jurisdiction (DOF 2022). Although the project would also require demolition of three existing single-family housing units, the existing project site residents could potentially relocate elsewhere within the City's jurisdiction. Thus, for the purposes of assessing the project's potential impacts related to population growth in the City, this analysis does not "net out" the anticipated loss of the existing project site residents. Furthermore, of the potential new 184 occupants on site, not all future residences are expected to be new residents to the City of Poway.

As discussed above in Section 4.12.1, Existing Conditions, the existing project is currently zoned and designated to accommodate residential development (i.e., RS-7), allowing for a maximum density of eight housing units per acre (City Municipal Code Section 17.08.060). Assuming all 11.5 project site acres were developed under the existing allowable land use/zoning conditions, this would result in a total of 92 allowable units. Taking into consideration the 4 existing housing units on the project site, under existing conditions, the project site has the capacity to facilitate 88 new housing units. Thus, although the project would rezone and redesignate the site to PC, the proposed maximum allowable density for the project site (i.e., 8.8 housing units per acre) is similar to the allowable density under existing conditions. Furthermore, as set forth in the proposed Specific Plan, the project would preserve approximately 3 acres of the project site for open space and recreational uses, which would reduce the overall development potential compared to existing conditions, thereby limiting the potential to induce population growth.

The buildout potential of the project site under existing land use and zoning conditions is incorporated into SANDAG's growth forecasts for the City (SANDAG 2021a). According to SANDAG's Series 14 Regional Growth Forecast, the amount of anticipated population growth in the City would be 3.3% by 2035 and 4.7% by 2050, which would be approximately 0.2% growth per year under both buildout horizons (SANDAG 2021a). This forecasting model has accounted for growth of approximately 1,629 people by the year 2035, and 2,298 people by the year 2050. The proposed project (i.e., the 184 additional residents facilitated as a result of the 63 proposed housing units) would account for approximately 11% of the total population growth anticipated to occur by 2035, and approximately 8% of growth anticipated to occur by 2050. Anticipated housing growth in the City shows an approximately 4% increase by 2035 (i.e., 608 units) and 5% by 2050 (i.e., 917 units), which would represent, respectively, approximately 0.3% and 0.2% annual housing growth. Accounting for the anticipated demolition of 3 existing project site housing units (resulting in 60 "net" new housing units), the project would represent approximately 10% of the total housing growth anticipated to occur by 2035 and 7% anticipated to occur by 2050. Therefore, the project would account for a fraction of the planned population and housing growth and would not exceed population or housing growth projections for the City.

As discussed above, the growth potential on the project site under existing land use/zoning conditions is incorporated into SANDAG's growth forecasting model (SANDAG 2021a). As the project's proposed land use and zone change would allow for similar population and housing growth to occur as under existing land use and zoning conditions and would not exceed the current SANDAG growth projections for the City (as demonstrated above), the project's anticipated population and housing increase would be considered "planned" growth and would not be substantial.

In accordance with defined future housing needs, the City must balance land use activities to comply with State Housing Law and accommodate the mandated RHNA obligation for different affordability levels. Specifically, the current RHNA for the City consists of 468 very low, 268 low, 241 moderate, 342 above moderate income units, for a total of 1,319 RHNA units, which must be accommodated before the end of the current RHNA cycle (i.e., 2029) (City of Poway 2021a). To accommodate the projected growth in the City—including the SANDAG forecasts and the state-mandated RHNA obligation—and to help address the City's housing affordability crisis (previously discussed in Section 4.12.1, above), appropriate housing should be built and maintained within the City. The proposed project

would be infill development, constructed primarily on previously disturbed and/or developed land surrounded by residential, commercial, industrial, and mixed uses. The project would preserve approximately 3 acres of the site for open space and recreational uses and would provide appropriate housing stock to accommodate future growth in the City. Homes would be sold at market rate, and the project does not propose any designated low-income housing. Although the proposed project may induce some indirect growth as a result of construction, including utilities, roadways, and associated utility lines, these improvements would be appropriately sized to serve the project. Thus, the potential growth is not considered to be substantial, and it would not significantly increase existing population numbers within the City. Moreover, in consideration of other residential land uses and housing development occurring within the City, the anticipated 184 new residents (stemming from the 63 proposed housing units) would be within the forecasted population growth for the City.

Potential population growth is further analyzed in this EIR under Growth-Inducing Impacts (Chapter 5, Other CEQA Considerations), which concludes that the proposed project would not remove an obstacle to substantial population growth in the area or require the construction of a substantial amount of new community service facilities or encourage other activities or growth that could significantly affect the environment. Therefore, the project would not induce substantial unplanned population growth, and impacts would be **less than significant**.

Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

The proposed project would require demolition of three of the four existing single-family houses on the project site. All existing tenants would be notified and would be asked to vacate the homes approximately 2 to 4 weeks prior to the start of demolition. As discussed above, one existing single-family house on the project site is designated as historic and would be preserved as part of the project. Although the project would displace three existing single-family residences within the project site, the project would develop 63 new single-family homes for a net increase of 60 single-family houses in comparison to existing conditions. Therefore, although the project would displace a small number of existing people and housing, the project would result in a net increase of available housing units within the City, which would be sufficient to accommodate the estimated nine residents displaced due project implementation. Therefore, impacts are determined to be **less than significant**.

4.12.5 Cumulative Impacts

The geographic extent of the cumulative study area for potential impacts to population and housing is the City and County. Table 3-2, Cumulative Projects, identifies the projects generally considered for the cumulative analysis.

The proposed project would provide housing options within the City and County, and thereby contribute to an increase in residents. However, because housing is in short supply in the at both the City and County level (i.e., a 2.9% vacancy rate in the City and 2.89% vacancy rate for the County), and because the project would be within the planned growth projections for the City and the County (as identified by SANDAG), the contribution to cumulative population growth as a result of the proposed project would not result in a cumulatively considerable impact. Rather, the proposed project would assist the City and County in accommodating its planned growth consistent with the City's General Plan and SANDAG 2021 Regional Plan.

Additional housing development projects within the City include Poway Commons (141 condominiums), Fairfield, which is under construction, (221 apartments), and the Outpost project (72 residential units). These cumulative projects would also accommodate planned growth that is included in the City's General Plan and SANDAG

2021 Regional Plan. Additionally, the Poway Commons project is currently under construction, and would not overlap with the construction or implementation the proposed project or the Fairfield project (currently under construction). Furthermore, all three projects are each separated by a distance of at least 0.25 miles. As such, the potential direct and indirect physical environmental effects of the anticipated cumulative population and housing growth would be geographically dispersed and occur incrementally and over time, giving jurisdictions, planners, and policy makers time to identify and address potential impacts. The cumulative housing developments would help facilitate the anticipated growth for the City and address the region's housing affordability crisis, including through the facilitation of state-mandated RHNA units.

Finally, although the project would displace a small number of existing people and housing, the net new housing units proposed by the project and cumulative projects would ensure that the project would not contribute to a cumulatively considerable impact related to displacement and the need to construct replacement housing elsewhere in the City or elsewhere in the region.

4.12.6 Mitigation Measures

The proposed project would have a less-than-significant impact related to population and housing; therefore, no mitigation would be required.

4.12.7 Level of Significance after Mitigation

As potential project impacts related to population and housing would be less than significant, no mitigation measures are required or proposed. The effects of population growth within the proposed project area would not be substantial due to the forecasted expectation of increased population within the City, as represented by SANDAG's 2021 Regional Plan and Series 14 Regional Growth Forecast. Also, the proposed project aligns with the needs for housing due to City's low vacancy rate. In addition, while the project would displace a small number or people and housing, the project would provide a net increase in housing and would not necessitate the construction of replacement housing elsewhere in the City or region.

4.13 Public Services

This section describes the existing public services conditions of The Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. Public services include fire protection, police protection, schools, and libraries. Park and recreational services are addressed in Section 4.14, Recreation. A Fire Response Technical Memorandum was prepared for the proposed project in December 2022 and is included as Appendix P of this environmental impact report (EIR).

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to public services focused on the following topics:

- Impacts to schools, parks, police and fire services

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.13.1 Existing Conditions

Fire Protection

The City of Poway Fire Department (PFD) is an all-hazard, all-risk response agency that services the City of Poway (City). PFD has four divisions: (1) Logistics/Support Division, (2) Operations/Emergency Medical Services Division, (3) Training/Safety Division, and (4) Fire Prevention Division. The San Diego Fire-Rescue Department Emergency Command and Data Center are contracted by PFD for dispatching services (City of Poway n.d.a). The majority of services requested from PFD are medical aids, traffic accidents, and wildland fires (during the summer months). As of February 2023, PFD has three shift Battalion Chiefs, 12 fire Captains/ Paramedics, 12 fire engineer/ paramedics, and 24 firefighter /paramedics (City of Poway n.d.b) that provides services to a population of approximately 48,421 in an area covering 39.08 square miles (U.S. Census Bureau 2021). PFD has 17 personnel that handles emergency and non-emergency calls.

The City has three fire stations. Table 4.13-1 details the fire station names, addresses, and equipment. PFD employs three paramedic engines, one paramedic ladder truck, two paramedic ambulances, and one incident commander. Personnel assignments are as follows: three personnel to each fire engine, three personnel to a truck, and two personnel to each ambulance. Personnel cross-staffed from engine companies manage and handle Incident Command System Type III wildland brush engines and California Governor's Office of Emergency Services Type I engines upon request (City of Poway n.d.c).

Table 4.13-1. Fire Stations in the City of Poway

Fire Station Name	Year Established	Address	Equipment	Approximate Distance from Project Site
Fire Station 1/ Administrative Offices	1980	13050 Community Road, Poway, California 92064	Frontline Apparatus: Type I Fire Engine, Paramedic Ambulance, Type III Brush Engine, Battalion SUV	1.0 mile

Table 4.13-1. Fire Stations in the City of Poway

Fire Station Name	Year Established	Address	Equipment	Approximate Distance from Project Site
			Reserve Apparatus: Type I Fire Engine, Medic Ambulance, Reserve Battalion Chief SUV, Water Tender	
Fire Station 2	1980	16912 Westling Court, Poway, California 92064	Frontline Apparatus: Type I Fire Engine, Type II Brush Engine OES Type I Fire Engine	5.09 miles
Fire Station 3	2001	14322 Pomerado Road, Poway, California 92064	Frontline Apparatus: Type I Engine, Type III Brush Engine, Ladder Truck, Paramedic Ambulance Reserve Apparatus: Type I Engine, Medic Ambulance, Flat Bed Utility Vehicle	1.65 miles

Source: City of Poway n.d.c.

PFD's Automatic Aid Agreement with the City of San Diego requires that aid be dispatched immediately by the closest unit upon request. The City's Mutual Aid Agreement with the County of San Diego (County) states that the City shall assist with any other cities or districts in firefighting efforts upon request. PFD is located within the Metropolitan Zone area of the San Diego County Operation Area (EOP 2018a). PFD can request services from partner fire departments within the Metropolitan Zone, as designated by the 2018 Emergency Operations Plan (EOP 2018a). Other fire departments in the Metropolitan Zone include the City of San Diego Fire-Rescue Department, Miramar Fire Department, Federal Fire Department, City of Coronado Fire Department, City of Imperial Beach Fire Department, City of National City Fire Department, and City of Chula Vista Fire Department.

PFD is classified as a Class 1/1X department by the Insurance Services Organization's Public Protection Classification program, which measures and evaluates the effectiveness of fire-mitigation services in communities throughout the country. For each fire protection area, the Insurance Services Organization assigns a Public Protection Classification from Class 1 (exemplary fire protection) to Class 10 (fire-suppression program does not meet minimum criteria). The "1X" classification indicates that the area is located far from a fire hydrant or outside a water service area (City of Poway n.d.d).

PFD's response time is the elapsed time from the fire department's receipt of the first alarm to when the first fire unit arrives at the scene, as defined in the City's Fire Code. Furthermore, PFD's travel time is defined as the estimated time it would take for a responding agency to travel from the fire station to the furthest structure in a development project, determined by measuring the safest, most direct, appropriate, and reliable route with consideration given to safe operation speeds for heavy fire apparatus.

Battalion Chief Operations Division

The Battalion Chief Operations Division is responsible for the maintenance and repair of fire apparatus, vehicle procurement, maintenance and repair of facilities, and administrative duties (City of Poway n.d.d). This division oversees the yearly fire pump performance testing as required by the National Fire Protection Association (NFPA) 1911: Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus. Due to the variety of equipment and technology utilized by PFD, the Logistics/Support Division coordinates with the

City's IT Department, the California Governor's Office of Emergency Services, the California Department of Forestry and Fire Protection, County fire agencies, and outside vendors.

Operations/Emergency Medical Services Division

The Operations Division (also known as the Fire Suppression Division) offers all-risk response services to the City 24 hours per day, 7 days a week. "All-risk" situations encompass events such as fire suppression, rescue, emergency medical services, hazardous materials mitigation, special assistance, and public service. The Emergency Medical Services Division provides the City with advanced-level medical and trauma care following policies set forth by the California and San Diego County Emergency Medical Services Authorities (City of Poway n.d.e).

Training/Safety Division

The Training/Safety Division administers training and professional development activities These training opportunities are administered through programs such as the Annual Training Plan, Apparatus Operator Guidebook and Certification Program, Training Manual, and Firefighter/Paramedic Probation Manual. Fire Stations 1 and 3 have classrooms where trainings can be held. Each PFD fire station has station libraries, where personnel have access to job-specific instruction manuals, department policy and procedure documents, response reference guides, and information on management techniques (City of Poway n.d.f., n.d.g). The PFD Training Tower, a facility that simulates real-life fire or risk events, is located on 12335 Crosthwaite Circle, Poway, California 92064.

Fire Prevention Division

The Fire Prevention Division is responsible for the application of statutes, laws, and regulations to safeguard the public health, safety, and general welfare from the hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures, and premises, and to provide safety and assistance to firefighters and emergency responders during emergency operations (City of Poway n.d.h). Statutes, laws, and regulations are sourced from the International Fire Code, the California Fire Code, and the City's Fire Code. The Fire Prevention Division performs fire and life-safety inspections for businesses; multi-family residential occupancies; and educational, institutional, and permitted facilities.

Police Protection

The City has been contracting its police protection services from the San Diego County Sheriff's Office since 1980 (San Diego County Sheriff n.d.). The San Diego County Sheriff's Poway Station is located on 13100 Bowron Road, Poway, California 92064—approximately 0.67 miles from the project site. The Poway Station is staffed by 45 sworn personnel, 6 civilians, 13 reserve deputies, and 48 senior volunteer patrol personnel who provide services to a population of approximately 50,000 in an area covering 48 square miles (San Diego County Sheriff n.d.; U.S. Census Bureau 2021). The Poway Station services the entirety of the City, as well as unincorporated areas of Santa Fe Valley and the County. Patrol deputies respond to calls 24 hours a day (San Diego County Sheriff n.d.). According to the San Diego County Sheriff's Law Enforcement Activity Report, 17,913 calls for service were made in the Sheriff's jurisdiction in December 2022; 834 of those were made from the City (San Diego County Sheriff 2023). The San Diego County Sheriff's Department employs 4,161 overall, 2,486 of which are sworn officers, and 1,684 are professional staff (San Diego County Sheriff 2021). The Poway Station does not have a published response time standard or staffing goals.

The Poway Station, as a station under the San Diego County Sherriff's Department, is a participant in the master mutual aid agreement (EOP 2018b). Under the agreement, the San Diego County Sherriff can request law enforcement mutual aid from departments within the same Operational Area. Likewise, services from the Poway Station will be dispatched to areas out of the Poway Station's jurisdiction upon request.

Since 2006, the City has administered the Community Emergency Response Team (CERT) Program, which educates people about disaster preparedness for hazards that may impact their area and community (City of Poway n.d.i). Once a year, the City offers a CERT academy that provides training in basic fire safety, search and rescue, first aid treatment, terrorism, emergency preparedness, and disaster psychology. The program is taught by City firefighters and follows curriculum developed by the Federal Emergency Management Agency. Graduates of the program or an equivalent CERT course may apply for the City's CERT membership. CERT members may be called on by the City to perform a variety of roles, such as staffing care and shelter facilities or conducting damage assessment. CERT participants must be over the age of 18 (City of Poway n.d.i).

Schools

The City is serviced by the Poway Unified School District (PUSD). PUSD operates 41 schools including 25 elementary schools (TK–5th), two elementary/ middle school combination (TK–8th), six middle schools (6th–8th), one continuation high schools, five high schools (9th–12th), one middle college, and one adult school. PUSD serves 35,190 students (TK to 12th grade), 8,166 adult education students, and 8,281 Career Technical Education in an area covering 100 square miles PUSD serves the City, as well as the communities of Rancho Bernardo, Rancho Penasquitos, Carmel Mountain Ranch, and Sabre Springs in the City of San Diego. PUSD employs 4,270 people (PUSD 2022a).

The closest school to the project site is New Bridge Middle School (private), located approximately 0.47 miles west of the project site. Valley Elementary School is also located approximately 0.6 miles east of the project site. The schools that may be considered to accommodate students from the proposed project are Valley Elementary School, Meadowbrook Middle School, and Poway High School (PUSD n.d.a-c). The Facilities Master Plan projects a surplus of capacity for Valley Elementary school ranging from 3 to 5 additional spots between the 2020–2021 school year and the 2026–2027 school year. Meadowbrook Middle School's surplus of capacity between the 2020–2021 school year and the 2026–2027 school year ranges from 11 to 13 available spots. Poway High School's surplus of capacity between the 2020–2021 school year and the 2026–2027 school year ranges from 29 to 30 available spots (PUSD 2020). As of the 2021–2022 school year, Valley Elementary School has 720 students enrolled (PUSD 2022b), Meadowbrook Middle School has 1,370 students enrolled (PUSD 2022c), and Poway High School has 2,251 students enrolled (PUSD 2022d).

Library

The Poway Community Library has been located on 13137 Poway Road since 1975 (City of Poway 1991), and is operated by the County of San Diego Library System. The County of San Diego Library System currently operates 33 library branches, 2 bookmobiles, and 5 kiosks. As of 2023, over 11.1 million books, CDs, DVDs, and other materials have been circulated (SDCL 2023a). Amenities at the Poway Community Library include library services, a MakerBot 3D Printer, a VetConnect station, Friends Bookstore, and a community meeting room for up to 64 persons (SDCL 2023b). There are no library development impact fees in the City (City of Poway 2007).

4.13.2 Relevant Plans, Policies, and Ordinances

Federal

There are no federal regulations that would be applicable to the proposed project.

State

Mello-Roos Community District Act of 1982

The Mello-Roos Community District Act of 1982 enables counties, cities, special districts, school districts, or joint powers authorities to create community facilities districts to finance public improvements and services. A community facilities district would be created by describing the boundaries of the territory and would include the entirety of any parcel subject to taxation by the proposed district. All public facilities and services (i.e., schools) within said boundary would be financed by the community facilities district through a special tax sufficient to pay for all facilities and services.

Assembly Bill 16

In 2002, Assembly Bill 16 created the Critically Overcrowded School Facilities program, which supplements the new construction provisions within the School Facilities Program. The School Facilities Program provides state funding assistance for two major types of facility construction projects—new construction and modernization. The Critically Overcrowded School Facilities program allows school districts with critically overcrowded school facilities, as determined by the California Department of Education, to apply for new construction programs in advance of meeting all School Facilities Program new construction program requirements. Districts may apply if they have met School Facilities Program new construction eligibility requirements and if their school sites are included on a California Department of Education list of source schools.

Senate Bill 50/Government Code Section 65995

Senate Bill (SB) 50 was signed into law in 1998, and it imposes limitation on the power of cities and counties to require mitigation of school facilities' impacts as a condition of approving new development. It also authorizes school districts to levy statutory developer fees at a higher rate for residential development than previously allowed. SB 50 amended Government Code Section 65995(a) to provide that only those fees expressly authorized by law (Education Code Section 17620 or Government Code Section 65970 et seq.) may be levied or imposed in connection with or made conditions of any legislative or adjudicative act by a local agency involving planning, use, or development of real property.

Other relevant sections of the Government Code include the following:

- Section 65995(h), which declares that the payment of the development fees authorized by Education Code Section 17620 is "full and complete mitigation of the impacts of any legislative or adjudicative act… on the provision of adequate school facilities."
- Section 65995(i), which prohibits an agency from denying or refusing to approve a legislative or adjudicative act involving development "on the basis of a person's refusal to provide school facilities mitigation that exceeds the amounts authorized [by SB 50]."

California Code of Regulations Title 24, Part 2 and Part 9

Part 2 of Title 24 of the California Code of Regulations refers to the California Building Code, which contains complete regulations and general construction building standards of state adopting agencies, including administrative, fire and life safety, and field inspection provisions. Part 2 was updated in 2016 to reflect changes in the base document from the International Building Code. Part 9 refers to the California Fire Code, which contains fire-safety-related building standards referenced in other parts of Title 24. In 2019, the California Code of Regulations was further updated and local amendments became effective January 2020.

California Department of Education

The California Department of Education administers California's public education system at the state level. By statute, the state Board of Education is responsible for governing and determining policy for of the California Department of Education. The Board of Education adopts rules and regulations for the government of the state's public schools; adopts curriculum frameworks in core subject-matter areas; approves academic standards for content and student performance in the core curriculum areas; and adopts tests for the Standardized Testing and Reporting program and the California High School Exit Examination.

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

The purpose of reviewing and analyzing impacts to public services under CEQA is to determine if increased service demands created by a proposed project would warrant the construction or relocation of a public service, such as schools or fire services. If a proposed project would warrant the construction or relocation of a public service, this would cause a physical environmental impact. For example, fire protection services are required to maintain a particular fire fighter to resident ratio. A large housing development project would significantly increase the population of an area and would potentially warrant the fire protection service department to hire new fire fighters and to potentially construct a new fire station to employ the fire fighters; this would pose a potential environmental impact.

California State Fire Plan

The 2010 California State Fire Plan was the first statewide fire plan developed in concert between the California Board of Forestry and Fire Protection and the California Department of Forestry and Fire Protection (CAL FIRE). This Plan was updated in the 2018 Strategic Fire Plan for California. The central goals of the California State Fire Plan include (1) improve the availability and use of consistent, shared information on hazard and risk assessment; (2) promote the role of local planning processes, including general plans, new development, and existing developments, and recognize individual landowner/homeowner responsibilities; (3) foster a shared vision among communities and the multiple fire protection jurisdictions, including county-based plans and community-based plans such as Community Wildfire Protection Plans; (4) increase awareness and actions to improve fire resistance of man-made assets at risk and fire resilience of wildland environments through natural resource management; (5) integrate implementation of fire and vegetative fuels management practices consistent with the priorities of landowners or managers; (6) determine and seek the needed level of resources for fire prevention, natural resource

management, fire suppression, and related services; and (7) implement needed assessments and actions for post-fire protection and recovery.

California Health and Safety Code

State fire regulations are set forth in Section 13000 et seq. of the California Health and Safety Code, which includes regulations concerning building standards (as also set forth in the California Building Code), fire protection and notification systems, fire protection devices such as extinguishers and smoke alarms, high-rise building and childcare facility standards, and fire suppression training. The State Fire Marshal enforces these regulations and building standards in all state-owned buildings, state-occupied buildings, and state institutions throughout California.

California Public Schools Accountability Act of 1999

This act authorized the creation of an educational accountability system for California public schools. Its primary goal is to help schools improve and to measure the academic achievement of all students. The cornerstone of this act is the Academic Performance Index, which measures the academic performance and growth of schools on a variety of academic measures.

Senate Bill 244

SB 244, adopted on October 10, 2011, requires cities to review and update the elements of their general plans to include data and analysis, goals, and implementation measures regarding specified disadvantaged communities, including unincorporated islands, fringe, or legacy communities. For disadvantaged unincorporated communities within or adjacent to a city's Sphere of Influence, SB 244 requires the city to prepare a determination regarding the existing and planned adequacy of public facilities and public services, including wastewater, potable water, stormwater, police, and fire. SB 244 prohibits the Local Agency Formation Commission from approving an annexation to a city of any territory greater than 10 acres, where there exists a disadvantaged unincorporated community that is contiguous to the area of proposed annexation, unless an application to annex the disadvantaged unincorporated community to the city has been filed with the Local Agency Formation Commission and evaluated the present and probably sewers, water, stormwater, and fire protection needs or deficiencies.

Government Code – Section 66001

The Government Code Section 66001 allows a local agency to establish, increase, or impose a fee as a condition of approval of a development project. This includes the following:

1. Identify the purpose of the fee.
2. Identify the use to which the fee is to be put. If the use is financing public facilities, the facilities shall be identified. The identification may, but not need, be made by reference to a capital improvement plan as specified in Section 65403 or 66002, may be made in applicable general or specific plan requirements, or may be made in order to provide public documents that identify the public facilities for which the fee is charged.
3. Determine how there is a reasonable relationship between the fee's use and the type of development project on which the fee is imposed.
4. Determine how there is a reasonable relationship between the need for the public facility and the type of development project on which the fee is imposed.

5. In any action imposing a fee as a condition of approval of a development project by a local agency, the local agency shall determine how there is a reasonable relationship between the amount of the fee and the cost of the public facility or portion of the public facility attributable to the development on which the fee is imposed.
6. Upon receipt of a fee subject to this section, the local agency shall deposit, invest, account for, and expend the fees pursuant to Section 66006.
7. For the fifth fiscal year following the first deposit into the account or fund, and every five years thereafter, the local agency shall make all of the following findings with respect to that portion of the account or fund remaining unexpended, whether committed or uncommitted:
8. Identify the purpose to which the fee is to be put.
9. Demonstrate a reasonable relationship between the fee and the purpose for which it is charged.
10. Identify all sources and amounts of funding anticipated to complete financing in incomplete improvements identified in paragraph (2) of subdivision (a).
11. Designate the approximate dates on which the funding referred to in subparagraph (C) is expected to be deposited into the appropriate account or fund.
12. When findings are required by this subdivision, they shall be made in connection with the public information required by subdivision (b) of Section 66006. The findings required by this subdivision need only be made for moneys in possession of the local agency, and need not be made with respect to letters of credit, bonds, or other instruments taken to secure payment of the fee at a future date. If the findings are not made as required by this subdivision, the local agency shall refund the moneys in the account or fund as provided in subdivision (e).
13. Except as provided in subdivision (f), when sufficient funds have been collected, as determined pursuant to subparagraph (F) of paragraph (1) of subdivision (b) of Section 66006, to complete financing on incomplete public improvements identified in paragraph (2) of subdivision (a), and the public improvements remain incomplete, the local agency shall identify, within 180 days of the determination that sufficient funds have been collected, an approximate date by which the construction of the public improvement will be commenced, or shall refund to the then current record owner or owners of the lots or units, as identified on the last equalized assessment roll, of the development project or projects on a prorated basis, the unexpended portion of the fee, and any interest accrued thereon. By means consistent with the intent of this section, a local agency may refund the unexpended revenues by direct payment, by providing a temporary suspension of fees, or by any other reasonable means. The determination by the governing body of the local agency of the means by which those revenues are to be refunded is a legislative act.
14. If the administrative costs of refunding unexpended revenues pursuant to subdivision (e) exceed the amount to be refunded, the local agency, after a public hearing, notice of which has been published pursuant to Section 6061 and posted in three prominent places within the area of the development project, may determine that the revenues shall be allocated for some other purpose for which fees are collected subject to this chapter and which serves the project on which the fee was originally imposed.
15. A fee shall not include the costs attributable to existing deficiencies in public facilities, but may include the costs attributable to the increased demand for public facilities reasonably related to the development project in order to (1) refurbish existing facilities to maintain the existing level of service or (2) achieve an adopted level of service that is consistent with the general plan.

Government Code – Section 65995

Section 65995 of the Government Code discusses the topic of fee payment, charges, dedications, or other requirements against a development project for school facilities. In the case of residential construction, including the location, installation, or occupancy of manufactured homes and mobile homes, the amount of any Level I fees, charges, dedications, or other requirements shall not exceed $3.79 per square foot of assessable space over 500 square feet. Commercial or industrial construction shall not exceed $0.61 per square foot of chargeable covered and enclosed space.

Education Code – Chapter 6, Section 17620

Section 17620 of the Education Code allows the governing board of any school district to levy a fee, charge, dedication, or other requirement against any construction within the boundaries of the district, for the purpose of funding the construction of reconstruction of school facilities, subject to any limitations set forth in Chapter 4.9 (commencing with Section 65995) of Division 1 of the 7 of the Government Code. This fee, charge, dedication, or other requirement may be applied to construction as well under a set of provisions.

California Fire Code

The CFC is Chapter 9 of Title 24 of the California Code of Regulations. It was created by the California Building Standards Commission and is based on the International Fire Code created by the International Code Council. It is the primary means for authorizing and enforcing procedures and mechanisms to ensure the safe handling and storage of any substance that may pose a threat to public health and safety. The CFC regulates the use, handling, and storage requirements for hazardous materials at fixed facilities. The CFC and the California Building Code use a hazards classification system to determine what protective measures are required to protect fire and life safety. These measures may include construction standards, separations from property lines, and specialized equipment. To ensure that these safety measures are met, the CFC employs a permit system based on hazard classification. The CFC is updated every 3 years. Chapter 15.24 (Fire Code) of the City's Municipal Code provides the City's adopted amendments to the 2019 CFC.

Local

Poway Comprehensive Plan: General Plan – Public Facilities Element

The Public Facilities Element of the Poway Comprehensive Plan: General Plan (General Plan) include the following policies regarding public services (City of Poway 1991):

Goal II, Policy D – Public Service Constraints: The land use pattern and population should be consistent with the capability of existing and planned public services and facilities.

- **Strategy 1:** Development should not overburden the ability of local school districts to provide a consistent level of quality educational services and facilities to community residents. The City supports changes to state law which would remove restrictions on local jurisdictions' ability to deny development based on inadequate schools.
- **Strategy 2:** Land uses and development review applications that are inconsistent with that capability of any public service agency to provide cost-effective service shall not be approved.
- **Strategy 3:** The number and location of dwelling units in the City shall be limited to that which can be adequately served by public services and facilities.

Goal III, Policy D – Cultural and Educational Facilities: The City shall seek to provide adequate facilities to address the cultural and educational needs of the community.

- **Strategy 1:** Construct a modern, comfortable, well-planned community library to achieve and maintain a level of library services appropriate to the cultural, educational and recreational needs of the community. The ultimate goal is to provide a facility that is based on a sliding scale of 0.5 to 0.8 square feet of library space and 3 to 5 items of library materials per resident.
- **Strategy 3:** Encourage coordination and cooperation with other area library agencies to maximize the breadth and quality of library services available in our community.

Goal III, Policy E – Public Meeting Space: The City shall seek to provide meeting space for both public and private purposes consistent with approved policies and legal constraints.

- **Strategy 1:** Public meeting space shall be designed to meet community needs and shall be available at rental rates comparable with fees charged by other public agencies for similar facilities.

Goal III, Policy G – Disabled Services: The City shall seek to develop avenues for residents with special needs to participate in a variety of recreational programs and activities.

- **Strategy 1:** Work closely with existing programs provided by service organizations and PUSD and research and consider for development, both mainstream and specialized programs based on the needs of the community.

Goal VII, Policy B – Fire Protection: The City shall maintain a high standard for the delivery of fire protection services.

- **Strategy 3:** Continue the use of the Weed Abatement Program and a fire buffer program along heavily traveled roads through thinning, disking or controlled burning, subject to air quality standards. Brush, but not trees should be cleared from both sides of major arterials.
- **Strategy 5:** All proposed development shall satisfy the minimum structural fire protection standards contained in the adopted editions of the Uniform Fire and Building Codes; however, where deemed appropriate the City shall enhance the minimum standards to provide optimum protection.
- **Strategy 6:** Fire protection requirements shall be expanded where structural and/or capital improvements cannot adequately protect the community from property damage or potential loss of life.
- **Strategy 8:** Require fire retardant roofing materials based upon the type of construction in and outside the high fire hazard areas.
- **Strategy 9:** Enforce the fire control requirements of the City's landscape standards.
- **Strategy 10:** In order to minimize fire hazards, the Poway Fire Department shall routinely be involved in the review of development applications. Consideration shall be given to adequate emergency access, driveway widths, turning radii, fire hydrant locations and needed fire flow requirements.
- **Strategy 11:** Advocate and support State legislation which would provide tax incentives encouraging the repair or demolition of structures which are classified as high fire hazards.
- **Strategy 17:** Emphasis on future construction and capital improvements should be toward the alleviation of deficiencies in critical risk areas.
- **Strategy 19:** Support mutual aid agreement and communication links with the County and the other municipalities participating in the Unified San Diego County Emergency Service Organization.

Goal VII, Policy B – Regional Facilities: Support the construction of appropriately sited and designed facilities to serve regional and/or subregional public facility needs.

- **Strategy 3:** Enhance the quality of library services through cooperation with other library agencies in the region.

Goal VII, Policy D – Law Enforcement: The City shall secure high-quality law enforcement so as to maintain a sense of personal safety and security for the residents of Poway.

- **Strategy 1:** Routinely involve law enforcement personnel in the review of new development applications as they relate to street access and safety and to the concept of defensible space.

Goal VII, Policy F – Emergency Plan: The City shall be prepared to successfully manage public emergencies which may occur.

- **Strategy 2:** Maintain the Fire Department Classroom at Station 1 as a permanent emergency operations center and a secondary command post. Keep it equipped with sufficient supplies to begin operations immediately in the case of a disaster.
- **Strategy 4:** Develop an accurate citywide resource inventory of locally available supplies, equipment and heavy vehicle and devise a state of emergency procurement procedure.
- **Strategy 5:** Utilize the Emergency Plan to provide direction to all persons responsible for acting in a disaster situation.

City of Poway Development Impact Fees – Fire Protection Impact Fees

The City implements development impact fees in order to mitigate the impacts of new developments. The proposed project would be subject to applicable impact fees to ensure that fire department facilities, apparatus, and vehicle standards are met with respect to the potential additional services needed with the new development. The current fire protection impact fees for single-family residential development in the City are $122.03 per unit (City of Poway 2008).

4.13.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to public services are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to public services would occur if the project would:

1. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:
    a. Fire protection.
    b. Police protection.
    c. Schools.
    d. Parks.
    e. Other public facilities.

4.13.4 Impacts Analysis

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Fire Station 1/3711 is the closest station to the proposed project site, located approximatively 1 mile to the east, at 13050 Community Road. Emergency medical services would be provided by the City of Poway's Fire Department. The nearest emergency facility is the Palomar Medical Center, which is located approximately 3.07 miles north of the project site.

As described in Section 4.17, Wildfire, the project site is not located within a VHFHSZ and is surrounded by existing development. Due to the existing development on and surrounding the project site, the project site does not feature factors that would exacerbate wildfire risk. Of the 11.5-acre project site, the project proposes approximately 5.7 acres designated for development of 63 new single-family homes, a 0.25-acre existing historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road).

The capital facilities required to provide fire services are funded through the City's development impact fee programs. The Fire Protection Impact Fees levied against the proposed project would address the proposed project's proportional impact on capital facilities, such as structure, vehicles, and equipment associated with fire protection. The City would require the proposed project to pay development impact fees to ensure that the City's public facility standards are met with respect to the additional needs created by the proposed project.

PFD does not have an internal response time standard, and the Fire Response Technical Memorandum utilizes the San Diego County standard of 5-minute travel time (7.5-minute total response time). The closest fire station to the project site is Fire Station 1, to which the furthest structure in the proposed project would be approximately 1.6 miles. According to Appendix P, response to the project site from the closest existing PFD fire station (Station 1) would arrive at the project's primary entrance off Oak Knoll Road within 3 minutes, 13 seconds travel time (5 minutes, 49 seconds total response time) and the most remote units within the project are reached within 3 minutes, 27 seconds travel time, or 5 minutes, 57 seconds total response time (see Figure 4.13-1, Poway Fire Station #1 – ISO Drive Times). This analysis indicates that the entire project is within a fast response time from the nearest fire station and meets the 5-minute travel time standard. This analysis also indicates that Station 3 also has a fast response time, arriving in 3 minutes, 48 seconds travel time at the project entry (5 minutes, 18 seconds total response time) and is an appropriate second-due engine (see Figure 4.13-2, Poway Fire Station #3 – ISO Drive Times).

As concluded in Appendix P, the project includes a moderate number of new residential structures. Service level requirements could cause a decline in PFD response times and capabilities for existing residents, in the absence of fire facilities and resources improvements. However, the project does comply with the City's total response time standard, and the payment of development impact fees are expected to offset the potential demand created by the project's generated emergency calls. Therefore, impacts on fire protection services would be **less-than-significant**.

Police protection?

The proposed project would increase demand on police protection services with the introduction of 63 new residential units and approximately 184 people. The San Diego County Sheriff's Poway Station is located on 13100 Bowron Road, approximately 0.67 miles south of the project site. As discussed in Section 4.13.1, Existing Conditions, the San Diego County Sheriff's Department received 834 calls for service from within the City during December 2022 (San Diego County Sheriff 2023). Based on an estimated City population of 50,000, the calls-for-service-to-residents ratio would be approximately one call per 56 residents. The proposed project would bring in approximately 184 people, resulting in potentially 4 additional calls for service each month, and potentially 42 additional calls for service each year. Therefore, the potential increase in calls for service as a result of the proposed project would be insignificant.

As discussed in Section 4.13.1, the Poway Station does not have published response time goals or staffing specific to the City. The current approximately officer/staff ratio per resident is 0.9 officers to 1,000 residents. The introduction of 184 new residences would not substantially decrease the ratio of officers to residents.

The proposed project would be subject to payment of public facilities development impact fees at the rate in effect at the time building permits are issued. The amount is determined through evaluation of the need for new law enforcement facilities as it relates to the level of service demanded by new development, which varies in proportion to the equivalent dwelling unit generated by a specific land use. The development impact fees address the proposed project's proportional impact on capital facilities, such as structures and equipment, associated with police protection. It does not address the impact associated with operations and maintenance for those facilities. Public funds such as property taxes, sales taxes, and fees generated by the proposed project would be used to cover the incremental costs associated with providing police services. Net revenues are used to finance operations and maintenance costs associated with the public services required to serve the proposed project. The proposed project would be required to pay the development impacts fees, which would be used exclusively for future facility improvements necessary to ensure that the development contributes its fair share of the cost of law enforcement facilities and equipment determined to be necessary to adequately accommodate new development in the City, which is serviced by the San Diego County Sheriff's Department.

The potential increase in population would not affect the Poway Station's ability to serve the City, would not significantly impact staffing ratio goals, and would be sufficiently served with payment of applicable fees. Therefore, expansion of existing facilities or construction of new facilities would not be required or included as part of the proposed project. Impacts would be **less than significant** with payment of applicable fees and no mitigation would be required.

Schools?

The proposed project would result in 63 new single-family dwelling units, and thus would increase the student population within the assigned local schools. The project site is located within the PUSD. The residents of the proposed project site are anticipated to enroll K-12 students at Valley Elementary School, Meadowbrook Middle School, and Poway High School (PUSD n.d.a-c).

According to the 2020–2021 student generation rates used for single-family detached homes in PUSD, the proposed project would generate 16 elementary students, 8 middle school students, and 12 high school students (see Table 4.13-2), for a total of 36 students total (Appendix Q).

Table 4.13-2. Projected School Enrollment as a Result of the Proposed Project

School Education Level/School Facility	Number of Single-Family Homes	PUSD Student Generation Rate	Total Projected Students
Elementary School			
Valley Elementary	63	0.2463	16
Middle School			
Meadowbrook Middle School	63	0.1323	8
High Schools			
Poway High School	63	0.1815	12
Total	163	–	36

Sources: Appendix Q.
Note: PUSD = Poway Unified School District.

Table 4.13-3 identifies the schools that would be likely to accommodate students from the proposed project, their design capacity, and the projected enrollment for those schools for the 2024–2025 school year.

Table 4.13-3. Projected School Enrollment for 2024–2025 School Year

	Grade Level	Capacity	2019–2020 School Year Enrollment	Projected Enrollment 2024–2025	Current Percentage of Projected School Capacity	Projected Enrollment 2024–2025 with Project	Projected Percentage of Capacity with Project
Elementary School							
Valley Elementary	TK–5	769	723	683	89%	699	91%
Middle School							
Meadowbrook Middle School	6–8	1,496	1,267	1,158	77%	1,166	78%
High Schools							
Poway High School	9–12	3,009	2,266	2,130	71%	2,142	71%

Sources: Appendix Q; PUSD 2020.
Note: TK = transitional kindergarten.

Table 4.13-3 indicates available capacity at the schools that would serve students from the proposed project; however, due to possible overcrowding, PUSD cannot ensure that all students would be accommodated. However, schools are funded through the payment of development impact fees pursuant to SB 50/Government Code Section 65995, which would be paid prior to issuance of building permits. According to SB 50, payment of developer impact fees constitutes adequate mitigation related to impacts to school facilities. Fees paid by the developer would be used to offset the impact of the number of new students generated by the development of the proposed project. The project applicant would be required to pay state-mandated school facilities fees to PUSD to contribute to a fair-share amount to help maintain adequate school facilities and levels of service. Regulatory compliance ensures that there would be sufficient facilities to serve the proposed project's additional students. Ultimately, the provision of schools is the responsibility of the school district. SB 50 provides that the statutory fees found in the Government and Education Codes are the exclusive means of considering and mitigating for school impacts. Imposition of the statutory fees constitutes full and complete mitigation (Government Code Section 65995[b]). Therefore, with payment of the required state-mandated school fees, impacts related to school facilities would be **less than significant**.

Parks?

The dedication of parkland or payment of in-lieu fees is regulated pursuant to Chapter 16.38, Parkland Dedication Procedure, of the City's Municipal Code (City of Poway 1984). Pursuant to the City's parkland dedication requirements, the proposed project would require 5 acres of parkland for every 1,000 people (City of Poway 1984). Pursuant to Poway Municipal Code Section 16.38.100, 50% of private recreation facilities can be counted towards the required amount of park acreage (City of Poway 1984). The project proposes development of 63 single-family homes and is estimated to result in a population of approximately 184 residents on site. Thus, the proposed project would be required to dedicate 0.92 acres of parkland, per the City's Municipal Code parkland dedication requirements.

The project proposes 3.2 acres of open space area on site. Of the proposed open space area, approximately 1 acre would be designated as open space recreation area that would be open to the public and that would count towards the parkland requirements. Therefore, the project would exceed the requirement of 0.92 acres of parkland, and impacts are determined to be **less than significant**.

Impacts associated with parks and open space are further discussed in Section 4.14 of this EIR.

Other public facilities?

The proposed project includes 63 single-family dwelling units in the City, which would increase the number of people (approximately 184) to be potentially serviced by the Poway Community Library—the only public library within the City. The General Plan states that its ultimate goal is to provide a library facility that has 0.5 to 0.8 square feet of library space per resident and three to five items of library materials per resident (City of Poway 1991). The existing library would adequately service the future residents of the proposed project. Furthermore, the proposed project does not specifically include development of a library, and the San Diego County Library system does not currently plan on building or expanding a library in the vicinity of the project site (SDCL n.d). Therefore, construction or expansion of existing library facilities would not be required. Additionally, existing County policies and regulations ensure the ongoing provision of library facilities, the expansion of which would be subject to separate environmental review. As no new or expanded public library facilities would be required, public library facility impacts would be **less than significant**.

4.13.5 Cumulative Impacts

Cumulative projects in the City have the potential to result in a significant cumulative impact in which substantial adverse physical impacts are observed in association with the expansion of public service buildings or the building of new public service buildings to accommodate the new residents brought on by other projects. These cumulative projects include two projects in the City (see Table 3-2, Cumulative Projects).

Fire Protection

Future growth in the area would generate additional demand on fire protection services, which may require the construction or expansion of services and facilities to maintain acceptable travel times and adequate levels of service. Each cumulative project would be required to ensure adequate availability for fire service and that travel times are met. If a project results in potential impacts on fire service or travel times, that project would be required to mitigate such impacts. In addition, each cumulative project would be required to demonstrate compliance with all applicable laws and regulations regarding fire protection services and facilities. Therefore, impacts to fire protection services or facilities would not be cumulatively considerable and impacts would be **less than significant**.

Police Protection

Development of the proposed project would result in an incremental increase in demand on law enforcement services and, when combined with the demand associated with cumulative development projects, additional police personnel and facilities would be required to effectively meet the demands of the proposed project and anticipated future development. Payment of the required development impact fees would be required by the proposed project and cumulative projects. The development impact fees address a project's proportional impact on capital facilities, such as structures and equipment, associated with police protection. Public funds such as property taxes, sales taxes, and fees generated by the cumulative projects would be used to cover the incremental costs associated with providing police services.

As noted, the proposed project would not require construction of any additional law enforcement facilities at this time. Future development in the cumulative area would generate additional demand for law enforcement protection to maintain acceptable response times and adequate levels of service. The cumulative increase in demand for law enforcement could result in the expansion of existing facilities or the construction of new facilities, which could have adverse impacts on the environment; however, all new or expanded facilities would be required to undergo environmental review and be required to demonstrate compliance with the General Plan. As stated above, the proposed project's financial contribution through taxes accumulated from future residents would contribute to the future expansion or construction of new facilities to maintain adequate levels of service. Therefore, because the expansion of existing or the construction of new facilities would be required to undergo CEQA review, and because the proposed project would contribute its fair share financial contribution through development impact fees and ongoing tax assessments to maintain adequate levels of service, impacts to police protection services or facilities would not be cumulatively considerable. Impacts would be **less than significant**.

Schools

Both of the cumulative projects identified in Table 3-2 are residential in nature and would be served by the same schools as the project. The increase in demand for school facilities could result in the expansion of existing or the construction of new facilities, which could have adverse impacts on the environment; however, all new or expanded

facilities would be required to undergo environmental review and be required to demonstrate compliance with the General Plan. The proposed project would be subject to assessment of applicable school fees at the rate in effect at the time of issuance of building permits; therefore, the proposed project would not result in a cumulatively considerable contribution to the additional demand on existing school facilities within the districts, and would not result in a significant cumulative impact. Impacts would be **less than significant**.

Parks

A cumulative impact analysis for parks is found in Section 4.14.

Libraries

Population-inducing projects would generate the need for additional public libraries or increased square footages at existing public libraries; however, the San Diego County Library has no plans to expand an existing library or to construct a new library to service the proposed project. In the future, if new or expanded libraries are proposed, they would be subject to the same environmental review procedures as all other development projects. Any identified significant impacts would be required to be mitigated to the extent feasible. Therefore, the proposed project in combination with cumulative projects, would not be cumulatively considerable and impacts would be **less than significant**.

4.13.6 Mitigation Measures

As previously stated, all potential impacts to public services as a result of the proposed project would be less than significant, and no mitigation would be required.

4.13.7 Level of Significance after Mitigation

Impacts associated with the construction of new or expansion of existing public facilities would be **less than significant**.

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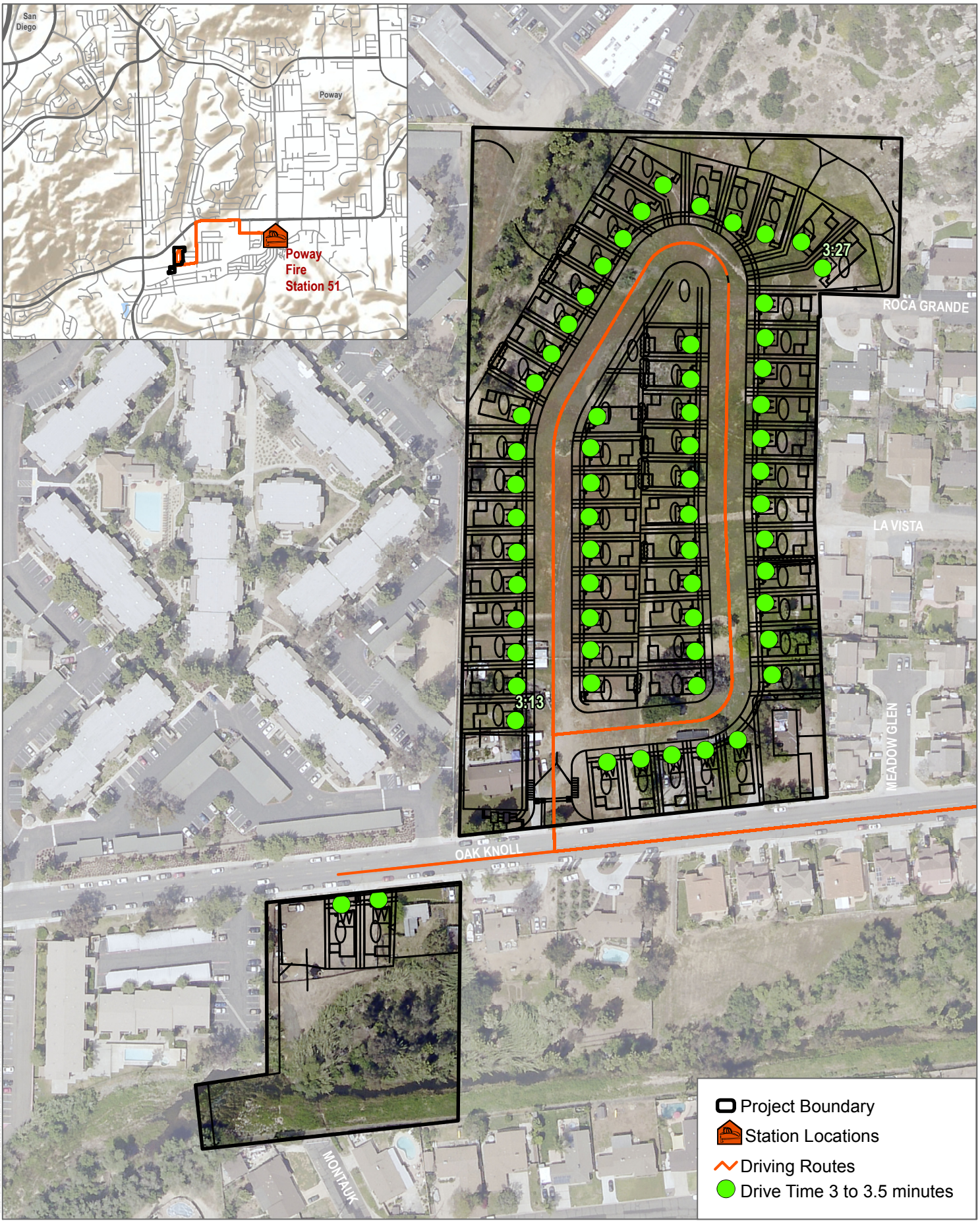

SOURCE: SAN GIS 2017

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FIGURE 4.13-1

Poway Fire Station #1 - ISO Drive Times

Harmon Ranch Specific Plan Project EIR

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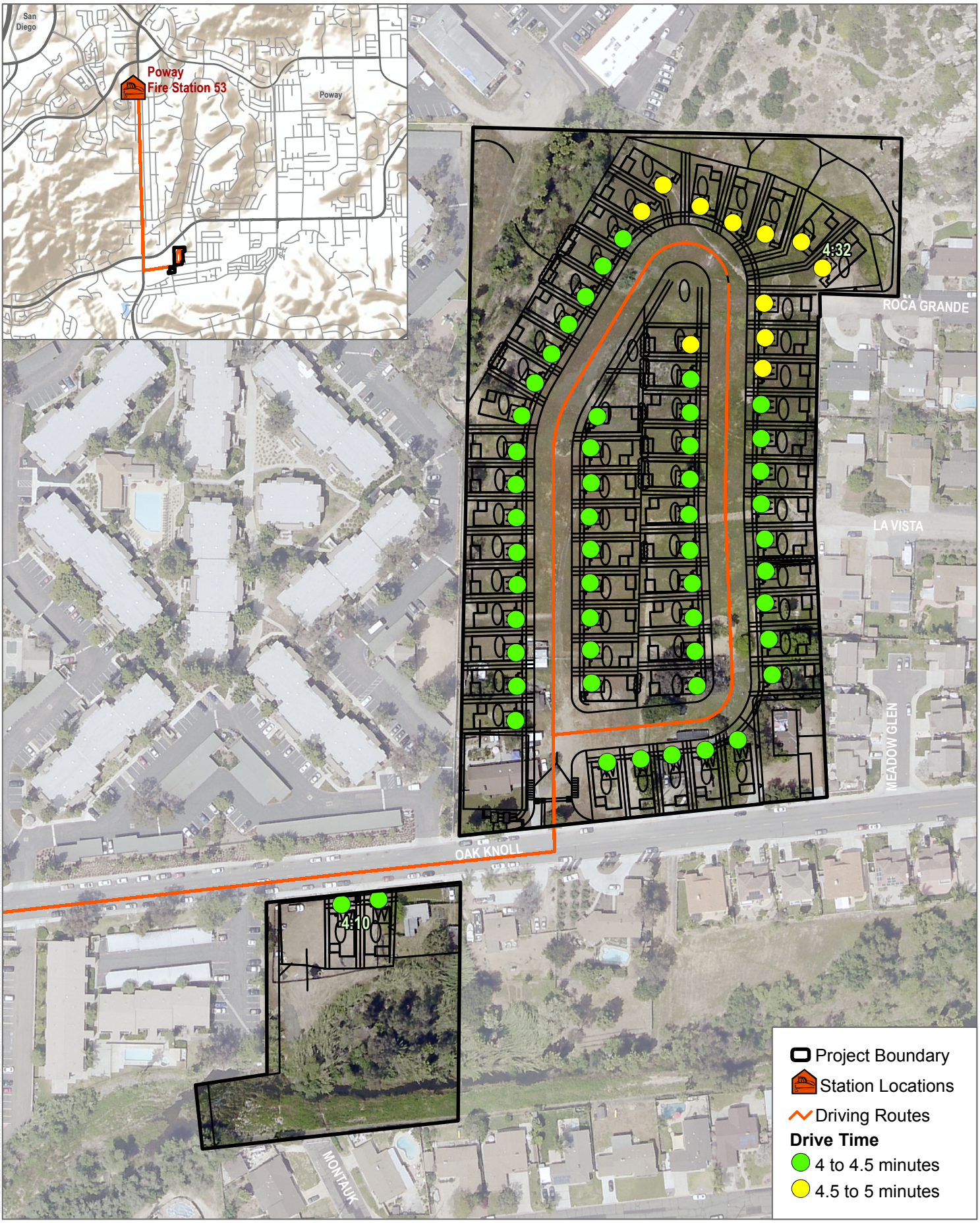

SOURCE: SAN GIS 2017

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FIGURE 4.13-2

Poway Fire Station #3 ISO Drive Times

Harmon Ranch Specific Plan Project EIR

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4.14 Recreation

This section describes the existing recreation conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to recreation focused on the following topics:

- Impacts to recreational resources
- Recreational resources on site being accessible to the public

These comments were considered during the preparation of this environmental impact report (EIR). The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.14.1 Existing Conditions

The City of Poway (City) provides recreational areas and facilities in the areas surrounding the project site, as described below.

City Recreational Facilities

There are currently 22 parks and recreational facility located within the City, including neighborhood parks, recreation-based parks, one ecological reserve, and one interpretive center (City of Poway n.d.a). These parks range in size from small urban neighborhood recreation areas to the over 700-acre Blue Sky Ecological Reserve. Recreational amenities around the City include playgrounds, a skate park, a swim center, sports fields, an interpretive center, and hiking opportunities. Lake Poway also serves as a recreational area with open park space, picnic tables, boating docks, and trails around the lake.

The City' General Plan classifies parks and recreation facilities based on their service area, size, primary function, and the facilities they offer. The five classifications include miniparks, neighborhood parks, community parks, regional parks, and special use areas. Park areas can be developed with either active or passive park amenities or a combination of both. Active park amenities may include gymnasiums, swim complexes, multi-use ballfields, tot lots, hard court play surfaces, volleyball courts, horseshoe areas, or a combination thereof. Passive Park amenities generally include nature trails, walkways, picnic tables, benches, and small lawns or landscaped areas (City of Poway 1991).

There are several recreational facilities in proximity to the project site. The Kumeyaay Ipai Interpretive Center at Pauwai is located just beyond the northern project boundary. Other parks in proximity to the project site include the Poway Oaks Neighborhood Park (0.4 miles southwest of the project site), Poway Community Park (0.45 miles east of the project site), and Bette Bendixen Park (0.75 miles southwest of the project site).

Trails

Trails provide a linkage between parks and open space within the City. The City's trails system has more than 78 miles for hiking, biking, and horseback riding (City of Poway n.d.b). In addition to the trails located at the Blue Sky Ecological Reserve and Lake Poway Recreation Area, there are many urban trails throughout the City, as well as popular open space trails such as the Iron Mountain trail.

4.14.2 Relevant Plans, Policies, and Ordinances

Federal

National Trails System Act of 1968 (Public Law 90-543)

There are no federal codes, policies, or regulations regarding recreation that would apply to the proposed project.

State

California Department of Parks and Recreation

The California Department of Parks and Recreation manages 280 park units that protect and preserve a collection of culturally and environmentally sensitive areas. It also manages over 340 miles of coastline; 970 miles of lake, reservoir, and river frontage; 15,000 campsites; and 5,200 miles of trails, 3,195 historic buildings, and 11,000 prehistoric and historic archaeological sites (California DPR n.d.). The legal charter of the California Department of Parks and Recreation, as required by the California Public Resources Code and the California Code of Regulations, among others, calls for it to "administer, protect, provide for recreational opportunity, and develop the State Park System; to interpret the values of the State Park System to the public; to operate the Off-Highway Motor Vehicle Recreation Program; to administer the California Historical Resources Protection Program; and to administer federal and state grants and bonds to local agencies" (California DPR n.d.).

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

Quimby Act

Passage of the 1975 Quimby Act (California Government Code, Section 66477) authorized cities and counties to pass ordinances requiring that developers set aside land, donate conservation easements, or pay fees for park improvements. Revenues generated through the Quimby Act cannot be used for the operation and maintenance of park facilities. The goal of the Quimby Act is to require developers to help mitigate the impacts of property improvements. The act gives authority for passage of land dedication ordinances only to cities and counties. Special districts must work with cities and/or counties to receive parkland dedication and/or in-lieu fees. The fees must be paid and land conveyed directly to the local public agencies that provide park and recreational services communitywide.

Landscaping and Lighting Act

The Landscaping and Lighting Act (California Streets and Highways Code, Section 22500 et seq.) enables cities, counties, and special districts to acquire land for parks, recreation, and open space. A local government may also use the assessments to pay for improvements and maintenance to these areas. In addition to local government agencies (i.e., counties and cities), park and recreation facilities may be provided by other public agencies, such as

community service districts and park and recreation districts. If so empowered, such an agency may acquire, develop, and operate recreational facilities for the general public.

Local

Poway Comprehensive Plan: General Plan – Public Facilities Element

The Public Facilities Element of the Poway Comprehensive Plan: General Plan (General Plan) includes the following policies and strategies regarding recreation resources (City of Poway 1991):

Goal II, Policy B – Distribution of Land Uses: Land uses should be distributed so as to encourage in-fill development within the built-up parts of the City, protect the integrity of existing land uses and densities and preserve the open space and rural nature of Poway.

Goal II, Policy D – Public Services Constraints: The land use pattern and population should be consistent with the capability of existing and planned public services and facilities.

Goal III, Policy A – Parks: A diversified comprehensive park system should be provided for the residents of Poway, utilizing adopted standards, contemporary concepts and planning strategies.

- **Strategy 2:** All park land dedicated as a requirement of residential development shall be developed and used for park purposes.
- **Strategy 3:** Seek to ensure that every neighborhood is served within a one half mile radius by an elementary school site or park.
- **Strategy 4:** Seek to provide adequate playing fields to serve the organized sports needs of the residents including softball, soccer and other organized sports.
- **Strategy 7:** Neighborhood parks shall serve as the day-to-day recreational areas of the City. The facilities should include playgrounds playing fields and turf areas where local residents can enjoy the outdoors in a safe and refreshing environment.
- **Strategy 9:** Include preschool age and handicapped accessible equipment in each park and provide balanced active and passive recreational opportunities.
- **Strategy 10:** Design all parks to incorporate xeriscape landscaping techniques.
- **Strategy 12:** Maintain legislation under the Quimby Act to require the dedication of land, payment of in-lieu fees, or a combination thereof, as a condition of residential development approval, to the equivalent of five acres of land per 1,000 population anticipated in the proposed development.

Goal III, Policy B – Recreational Facilities: The City shall seek to provide a wide range of facilities which address the recreational needs of all ages in the community.

- **Strategy 1:** Promote added family activity facilities to serve the community.

***Goal III, Policy C** – Private Recreational Facilities: The City encourages the development of private recreational facilities to fulfill a portion of the City's recreational needs.*

- **Strategy 1:** Private recreational facilities can be used to reduce the total amount of land to be dedicated and or fees paid in lieu to 50 percent of the requirement per residential development proposal.
- **Strategy 2:** Private recreational facilities shall meet the standards for similar public facilities.
- **Strategy 3:** Private recreational facilities shall be maintained by the developer, owner, a homeowners' association or an assessment district.
- **Strategy 4:** Adequate provisions shall be made to ensure that private recreational facilities remain available in perpetuity or the residents and the City shall be compensated accordingly.

City of Poway Development Impact Fees

Park Mitigation Fees

The City implements park mitigation fees for residential developments to ensure that park land and recreational facility standards are met with respect to the additional needs created by such development. The alternative to park mitigation fees is the dedication of land for park and recreational facilities at a ratio of 5 park acres to 1,000 population (City of Poway 1984).

4.14.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to recreation are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to recreation would occur if the project would:

1. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.
2. Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

4.14.4 Impacts Analysis

Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

There are several recreational facilities in proximity to the project site. The Kumeyaay Ipai Interpretive Center at Pauwai is located just beyond the northern project boundary. Other parks in proximity to the project site include the Poway Oaks Neighborhood Park (0.4 miles southwest of the project site), Poway Community Park (0.45 miles east of the project site), and Bette Bendixen Park (0.75 miles southwest of the project site).

The proposed project would introduce 63 new single-family dwelling units on 5.7 acres, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road) (see Figure 1-1, Site Plan).

Pursuant to the City's parkland dedication requirements, the proposed project would require 5 acres of parkland for every 1,000 people (City of Poway 1984). Pursuant to Poway Municipal Code Section 16.38.100, 50% of private recreation facilities can be counted towards the required amount of park acreage (City of Poway 1984). The proposed project would include 63 single-family homes and is estimated to result in a population of approximately 184 people (refer to Section 4.12, Population and Housing, for detailed calculation). Thus, the proposed project would be required to dedicate 0.92 acres of parkland, per the City's Municipal Code parkland dedication requirements. The project proposes 3.2 acres of open space area on site. Of the proposed 3.2 acres of open space area, approximately 1 acre would be designated as open space recreation area, and the proposed "outlook" would be open to the public. This 1 acre of proposed open space recreation area would count towards the parkland requirements. Therefore, the project would exceed the requirement of 0.92 acres of parkland.

Therefore, the project is not expected to result in substantial deterioration or adverse effects to existing parks or facilities within the City, and impacts would be **less than significant.**

Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

The proposed project would include 3.2 acres of designated open space areas. Of the 3.2 acres, 2.2 acres would be designed to permanently conserve the on-site open space areas that contain sensitive biological and/or cultural resources. These areas would not be impacted by development of the project and remain as natural open space areas. The remaining 1 acre would consist of open space recreation area and included uses such as specialty and community gardens, parks, playgrounds, picnic pavilions, trails, public art, and other outdoor land uses. The project would provide on-site park land provisions that ensure that the parkland and recreational facility standards established by the City are met with respect to the additional needs created by the development. Proposed recreational facilities and all other components of the proposed project are analyzed for any adverse physical impacts on the environment throughout this EIR. Construction of the proposed project would not require the construction or expansion of existing off-site recreational facilities, and all proposed recreational facilities would be compatible with surrounding land uses and in compliance with City standards. Therefore, impacts would be **less than significant**.

4.14.5 Cumulative Impacts

The geographic scope of the cumulative impact analysis for recreational facilities is limited to those projects within the City limits (see Table 3-2, Cumulative Projects). Cumulative projects in the City would have the potential to result in a significant cumulative impact if they would, in combination, result in the deterioration of parks and recreational facilities due to increased usage or necessitate the construction of new parks or recreational facilities.

Both cumulative projects have residential components and would have the potential to increase the demand for recreational facilities, which could result in deterioration of existing facilities. All past, present, and future residential projects in the surrounding area would be required to provide parkland or pay fees to the City. If each cumulative project was not able to provide parkland or park improvements, then payment of the City's park fee would ensure that the City's established park land and recreational facility standards are met with respect to the additional needs created by individual developments. The proposed project would provide open space that would be adequate to meet the needs of its resident and be accessible to the general public, including residents of the future cumulative projects. Therefore, residents of the proposed project would not overburden existing park and recreation resources or planned park and recreation resources needed to serve future growth.

Due to the availability of existing recreational facilities and the proposed project amenities, implementation of the proposed project in conjunction with cumulative projects would not cause a substantial increase in use on existing facilities. Cumulative impacts to recreational facilities would be **less than significant**.

4.14.6 Mitigation Measures

Implementation of the proposed project would not result in significant impacts to parks and recreational facilities. Therefore, no mitigation would be required.

4.14.7 Level of Significance after Mitigation

As previously stated, all potential impacts to parks and recreational facilities as a result of the proposed project would be less than significant, and no mitigation would be required.

4.15 Transportation

This section describes the existing transportation conditions of the Harmon Ranch Project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis provided in this section is based on the Transportation Impact Study and the Local Transportation Assessment, both of which were prepared by Intersecting Metrics in September 2023. The Local Transportation Assessment is included as Appendix L, and the Transportation Impact Study is included as Appendix M.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to transportation focused on the following topics:

- Multimodal transportation
- Level of service
- Parking
- Ingress and egress
- Hazardous design
- Pedestrian safety
- Vehicle miles traveled

These comments were considered during the preparation of this environmental impact report (EIR). The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.15.1 Existing Conditions

Study Area

Section 7.0 of the Guidelines for Transportation Impact Studies in the San Diego Region, May 2019, recommends that all, intersection locations where the proposed project would add 50 or more peak-hour trips in either direction to the existing roadway traffic, be included in the study area. Figure 4.15-1, Intersection Lane Configuration - Existing Conditions, illustrates the existing conditions in the project study area. The project study area is shown in Figure 4.15-2, Local Transportation Network. As shown in Figure 4.15-3, Traffic Volumes – Project Trip Assignment, the project's trip generation would not add more than 50 peak hour trips to an intersection; however, a focused local transportation assessment was conducted to analyze the following major roadway segments and intersections adjacent to the proposed project, as well as the project's driveway.

Intersections

The following intersections are included in the study area and analyzed herein:

1. Oak Knoll Road/Poway Road
2. Pomerado Road/Poway Road
3. Pomerado Road/Oak Knoll Road

4. Oak Knoll Road/Project Driveway (analyzed under "Plus Project" conditions only
5. Oak Knoll Road/Carriage Road

According to Appendix L, the study area intersections are calculated to currently operate at level of service (LOS) D or better.

Table 4.15-1 displays intersection LOS and average vehicle delay results for the study area intersections under existing conditions.

Table 4.15-1. Peak Hour Intersection LOS Results – Existing Conditions

Intersection	Control Type	Peak Hour	Existing	
			Delay[a]	*LOS*[b]
1. Oak Knoll Road/Poway Road	Signal	AM	31.1	C
		PM	29.9	C
2. Pomerado Road/Poway Road	Signal	AM	40.7	D
		PM	33.2	C
3. Pomerado Road/Oak Knoll Road	Signal	AM	18.6	B
		PM	18.7	B
4. Oak Knoll Road/Project Driveway	Side-Street Stop Controlled	AM	—	—
		PM	—	—
5. Oak Knoll Road/Carriage Road	All-Way Stop Controlled	AM	7.4	A
		PM	7.9	A

Source: Appendix L.
Notes: Intersection #4 does not exist under this scenario.
For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.
[a] Average delay expressed in seconds per vehicle.
[b] Level of Service.

Roadway Segments

Access to the project from the regional transportation network would be provided via Poway Road, Pomerado Road, and Oak Knoll Road. These roadways would either provide a direct connection to the project site, via a project driveway on Oak Knoll Road, or would provide a critical link between the project and the regional transportation network. Descriptions of these transportation network facilities are described below:

Poway Road is a four-lane east/west roadway that connects Interstate 15 in the west to State Route 67 in the east. The roadway has a posted speed limit of 35 mph and is divided by a raised median. Within the study area, Poway Road provides direct access to commercial centers. Pedestrian sidewalks and bicycle lanes are present on both sides of the roadway. San Diego Metropolitan Transit System (MTS) bus routes 944, 945, and 945A currently provide services on Poway Road, with the closest stop to the project site located on Poway Road and the Countryside Apartments driveway. Poway Road is classified as a Major Arterial by the City's Transportation Master Element (Appendix L).

Pomerado Road is a four-lane north/south roadway that connects Twin Peaks Road to Spring Canyon Road. Within the study area, this roadway provides a center-left-turn lane median and has a posted speed limit of 45 mph. Pomerado Road is primarily fronted by residential units and provides pedestrian sidewalks and bicycle lanes on both sides of the roadway. San Diego MTS bus routes 945 and 945A currently provide services on Pomerado Road,

north of Poway Road. Pomerado Road is classified as a Major Arterial by the City's Transportation Master Element (Appendix L).

Oak Knoll Road is two-lane roadway that connects Sage View Road to Selier Street. The proposed project will take access via side-street stop-controlled intersections on Oak Knoll Road. This roadway is an undivided roadway with a posted speed limit of 25 mph and parallel parking provided on both sides of the roadway. Oak Knoll Road is fronted by residential units and small businesses. Pedestrian sidewalks are provided on both sides of the roadway and sharrow signs are painted on the roadway indicating that Oak Knoll Road is a bicycle route. According to the City's Transportation Master Element, Oak Knoll Road is a local collector between Poway Road and Pomerado Road and a local road east of Pomerado Road (Appendix L).

Carriage Road is a two-lane roadway that connects Poway Road to Oak Knoll Road. This roadway is an undivided roadway with a posted speed limit of 25 mph and parallel parking provided on both sides of the roadway. Pedestrian sidewalks are provided on both sides of the roadway and bicycle sharrow markings are painted on the roadway indicating that Carriage Road is a bicycle route. Carriage Road is classified as a local collector by the City's Transportation Master Element (Appendix L).

Table 4.15-2 displays each study roadway segment's design threshold, average daily traffic (ADT) volume, and whether the roadway segment operates within its design threshold. As shown, all study roadways currently operate within their design threshold.

Table 4.15-2. Roadway Segment ADT and Thresholds – Existing Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Road	West of Oak Knoll Road	4-Lane Major Arterial	43,000	36,495	Yes
	Oak Knoll Road to Pomerado Road	4-Lane Major Arterial	43,000	31,629	Yes
Pomerado Road	North of Poway Road	4-Lane Collector	32,000	23,012	Yes
	Poway Road to Oak Knoll Road	4-Lane Collector	32,000	16,092	Yes
	South of Oak Knoll Road	4-Lane Collector	32,000	24,200	Yes
Oak Knoll Road	Poway Road to Pomerado Road	2-Lane Local Collector	10,900	6,900	Yes
	Pomerado Road to Carriage Road	2-Lane Local Collector	10,900	4,000	Yes
Carriage Road	Poway Road to Oak Knoll Road	2-Lane Local Collector	10,900	3,359	Yes

Source: Appendix L.
Notes: ADT = Average Daily Traffic.

Pedestrian

Existing pedestrian facilities consist of sidewalks on both sides of Oak Knoll Road (Figure 4.15-4, Local Transportation Network – Pedestrian Traffic).

Bicycle

There are four different bicycle classifications—Class I, Class II, Class III, and Class IV—defined as follows:

- **Class I** – Bike Path: Bike paths, also termed shared-use or multi-use paths, are paved right-of-ways for exclusive use by bicyclists, pedestrians, and those using non-motorized modes of travel. They are physically separated from vehicular traffic and can be constructed in roadway right-of-ways or as exclusive right-of-ways. Bike paths provide critical connections in the city where roadways are absent or are not conducive to bicycle travel.
- **Class II** – Bike Lane: Bike lanes are defined by pavement striping and signage used to allocate a portion of a roadway for exclusive or preferential bicycle travel. Bike lanes are one-way facilities on either side of a roadway. Whenever possible, bike lanes should be enhanced with treatments that improve safety and connectivity by addressing site-specific issues, such as additional warning or wayfinding signage.
- **Class III** – Bike Route: Bike routes provide shared use with motor vehicle traffic within the same travel lane. Designated by signs, Bike Routes provide continuity to other bike facilities or designate preferred routes through corridors with high demand. Whenever possible, bike routes should be enhanced with treatments that improve safety and connectivity, such as the use of "sharrows" or shared lane markings to delineate that the road is a shared-use facility.
- **Class IV** – Cycle Track: A Cycle Track is a hybrid type of bicycle facility that combines the experience of a separated path with the on-street infrastructure of a conventional bike lane. Cycle tracks are bikeways located in roadway right-of-ways, but are separated from vehicle lanes by physical barriers or buffers. Cycle tracks provide for one-way bicycle travel in each direction adjacent to vehicular travel lanes and are exclusively for bicycle use. Cycle tracks are not recognized by Caltrans Highway Design Manual as a bikeway facility. To provide bicyclists with the option of riding outside of the cycle track to position themselves for a left or right turn, parallel bikeways should be added adjacent to cycle track facilities whenever feasible.

There is currently a Class III bicycle facility along the project frontage (Figure 4.15-4).

Transit

Transit Conditions

Bus transportation is the main mode of transportation served around the proposed project area. San Diego MTS Bus Routes bus routes 944, 945, and 945A currently provide services on Poway Road, with the closest stop to the project site located on Poway Road and the Countryside Apartments driveway, approximately 0.1 miles away from the project site (Figure 4.15-4).

Transit Routes

Route 944 runs from Sabre Springs Transit Station to Poway (Walmart on Hilleary Place). It operates weekdays starting from 5:34 a.m. to 7:31 p.m. when departing from Sabre Springs Transit Station, and from 5:04 a.m. to 7:02 p.m. when departing from Poway. Total travel time between the two ends of the route is 20 minutes or less. Route 944 does not operate on Sundays and Saturday service is temporarily suspended due to staffing shortages.

Route 945 runs from Rancho Bernardo Transit Station to Old Poway. It operates weekdays starting from 5:52 a.m. to 8:22 p.m. when departing from Rancho Bernardo, and from 5:09 a.m. to 7:35 p.m. when departing from Old Poway. Total travel time between the two ends of the route is 45 minutes or less. Service time is 30 minutes

during peak hours. Saturday operation runs from 6:42 a.m. to 7:34 p.m. departing from Rancho Bernardo Transit Center, and from 6:41 a.m. to 6:29 p.m. departing from Old Poway. Route 945 operates on observed holidays with a Saturday schedule. Route 945 does not operate on Sundays.

Route 945A runs on a loop route in counterclockwise direction passing through Espola Road, Pomerado Road, Poway Road, Midland Road, and Twin Peaks Road. Route 945A runs on weekdays from 6:36 a.m. to 8:25 a.m. when departing from Pomerado Road/Rancho Bernardo Road, and from 2:35 p.m. to 4:34 p.m. when departing from Midland Road/Poway Road. This route does not run on weekends or observed holidays.

Level of Service

LOS is the term used to denote the different operating conditions that occur on a given roadway segment under various traffic volume loads. It is a qualitative measure used to describe a quantitative analysis taking into account factors such as roadway geometries, signal phasing, speed, travel delay, freedom to maneuver, and safety. LOS provides an index to the operational qualities of a roadway segment or an intersection. LOS designations range from A to F, with LOS A representing the best operating conditions and LOS F representing the worst operating conditions. LOS designation is reported differently for signalized intersections and for roadway segments.

Figure 4.15-1 illustrates the existing conditions in the project study area.

Intersections

Average vehicle delay was determined utilizing the methodology found in Chapter 18 of the 2016 Highway Capacity Manual (HCM 6th Edition, as cited in Appendix L) for signalized intersections, and Chapters 19 and 20 of the HCM 6th Edition for unsignalized intersections, with the assistance of the Synchro (version 11) computer software. The delay values (represented in seconds) were qualified with a corresponding intersection LOS. Table 4.15-3 shows the signalized and unsignalized intersection delay categorized for each LOS.

Table 4.15-3. Intersection LOS and Delay Ranges

LOS	Delay (seconds/vehicle)	
	Signalized Intersections	*Unsignalized Intersections*
A	≤ 10.0	≤ 10.0
B	10.1 to 20.0	10.1 to 15.0
C	20.1 to 35.0	15.1 to 25.0
D	35.1 to 55.0	25.1 to 35.0
E	55.1 to 80.0	35.1 to 50.0
F	≥ 80.1	≥ 50.1

Source: Highway Capacity Manual, as cited in Appendix L.

Street Segments

Unlike other jurisdictions within the region, the City of Poway does not assign a daily LOS to roadway facilities. Instead, the City developed a series daily traffic volume design thresholds for each facility type (Primes, Majors, Collectors, etc.) and for unique individual facilities (Espola Road, Poway Road, Community Road, etc.), which are outlined in Table V-1 of the City of Poway Transportation Master Element (City of Poway 2010). To determine if average daily traffic volumes on the study area roadway segments are within the design threshold, the appropriate volumes were compared to the daily design capacity of the roadway segments.

The roadway segment counts were obtained from recently completed transportation studies and study area intersection traffic counts were conducted in April 2022. Traffic count worksheets are provided in Appendix L.

Vehicle Miles Traveled

In compliance with Senate Bill (SB) 743, the Transportation Impact Analysis also evaluates the proposed project's potential vehicular impacts using a vehicle miles traveled (VMT) metric, pursuant to direction from the state legislature. Public Resources Code Section 20199, enacted pursuant to SB 743, identifies VMT as an appropriate metric for measuring transportation impacts. VMT analysis focuses on the number and length of vehicle trips made by a project's employees and residents.

The methodology used for the proposed project is based on the Governor's Office of Planning and Research (OPR) update to the California Environmental Quality Act (CEQA) Guidelines and Technical Advisory released in November 2017. Given that no criteria or methodologies have been formally adopted, OPR guidance was used to develop significance thresholds and technical methodologies for the proposed project.

Under OPR's proposed revisions to the CEQA guidelines, VMT exceeding an applicable threshold of significance may indicate a significant transportation impact. Furthermore, under the proposed guideline revisions, for projects other than roadway capacity projects, automobile delay, as described solely by LOS or similar measures of vehicular capacity or traffic congestion shall not be considered a significant effect on the environment. The proposed revisions to the guidelines would allow a lead agency to elect to evaluate transportation impacts under the revised guidelines at any time and would make the revised guidelines applicable statewide beginning January 1, 2020. A multi-tiered VMT analysis for the proposed project was conducted based on the OPR's guidance.

4.15.2 Relevant Plans, Policies, and Ordinances

State

California Department of Transportation

Caltrans is the public agency responsible for designing, building, operating, and maintaining California's state highway system, which consists of freeways, highways, expressways, toll roads, and the right-of-way area between the roadways and property lines. Caltrans is also responsible for permitting and regulating the use of state roadways. Caltrans' construction practices require temporary traffic control planning during any activities that interfere with the normal function of a roadway.

California Environmental Quality Act

CEQA (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

Senate Bill 375

SB 375 targets regional greenhouse gas (GHG) emissions reductions from passenger vehicles and light-duty trucks through changes in land use and transportation development patterns. Integrating transportation and residential land use activity is one of the most impactful strategies for reducing GHG emissions, as well as other forms of air

pollution. Governmental actions supporting the location, variety and availability of housing are critical to implementing GHG emissions-reduction policies. This can support the integration of transportation and housing development, offering more varied and efficient consumer choices. Infill development patterns that emphasizes proximity and connectivity to public transit, walkable areas, employment and service centers, and amenities can increase the effectiveness of these relationships.

Senate Bill 743

On September 27, 2013, Governor Jerry Brown signed SB 743 into law, starting a process that is expected to change the way transportation impact analysis is conducted under CEQA. Within the state's CEQA Guidelines, these changes will include elimination of auto delay, LOS, and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts.

SB 743 created a process to change the way projects analyze transportation impacts pursuant to CEQA. Currently, environmental review of transportation impacts focuses on the delay that vehicles experience at intersections and on roadway segments. That delay is often measured using a metric known as LOS. Under SB 743, the focus of transportation analysis will shift from driver delay to reduction of GHG emissions, creation of multi-modal networks and promotion of a mix of land uses. SB 743 requires OPR to amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts. The alternative criteria must promote the reduction of GHG emissions, the development of multi-modal transportation networks, and a diversity of land uses (OPR 2017). The Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA (Draft Guidelines) (OPR 2017) provided recommendations for updating the state's CEQA Guidelines in response to SB 743 and contained recommendations for VMT analysis methodology in an accompanying Technical Advisory on Evaluating Transportation Impacts in CEQA. The Draft Guidelines, including the Technical Advisory on Evaluating Transportation Impacts in CEQA, recommended use of automobile VMT per capita as the preferred CEQA transportation metric, along with the elimination of auto delay/LOS for CEQA purposes statewide.

VMT is defined as a measurement of miles traveled by vehicles within a specified region for a specified time period and is a measure of network use or efficiency. There are multiple ways to express VMT, although generally VMT are calculated by multiplying all vehicle trips generated by a project by their associated trip lengths, or by multiplying traffic volumes on roadway links by the associated trip distance of each link. VMT is often estimated for a typical weekday.

According to the legislative intent contained in SB 743, these changes to current practice were necessary to more appropriately balance the needs of congestion management with statewide goals related to infill development, promotion of public health through active transportation, and reduction of GHG emissions.

Assembly Bill 1358

The Complete Streets Act of 2008 (Assembly Bill 1358) requires, beginning January 1, 2011, cities and counties, upon any substantive revision to their circulation elements, to plan for a balanced multi-modal transportation network that meets the needs of all users of streets, roads, and highways, including motorists, pedestrians, bicyclists, children, persons with disabilities, seniors, movers of commercial goods, and users of public transportation.

Local

SANDAG's San Diego Forward: The Regional Plan

The SANDAG San Diego Forward: The Regional Plan (Regional Plan) combines the region's two most important existing planning documents—the Regional Comprehensive Plan and the Regional Transportation Plan and its Sustainable Communities Strategy (SCS). The Regional Comprehensive Plan, adopted in 2004, laid out key principles for managing the region's growth while preserving natural resources and limiting urban sprawl. The plan covered eight policy areas, including urban form, transportation, housing, healthy environment, economic prosperity, public facilities, our borders, and social equity. These policy areas were addressed in the 2050 Regional Transportation Plan/SCS and are now fully integrated into the Regional Plan.

The SANDAG Board of Directors adopted the 2021 Regional Plan on December 10, 2021. The 2021 Regional Plan is a 30-year plan that considers growth, movement and residential location around the region. The 2021 Regional Plan combines the regional Transportation Plan, SCS, and Regional Comprehensive Plan. As such, the 2021 Regional Plan must comply with specific state and feral mandates. These include an SCS, per California SB 375, that achieves GHG emissions reduction targets set by the California Air Resources Board, compliance with federal civil rights requirements (Title VI); environmental justice considerations; air quality conformity; and public participation (SANDAG 2021).

Congestion Management Program

The 2008 Congestion Management Program (CMP) for San Diego County was developed to meet the requirements of Section 65089 of the California Government Code. Since that time, the local agencies within San Diego County elected to opt out of the CMP requirements, as allowed within the Government Code. As such, there are no CMP-specific requirements associated with this project. However, to ensure the region's continued compliance with the federal congestion management process, SANDAG has prepared San Diego Forward: The Regional Plan in compliance with 23 Code of Federal Regulations 450.320. The Regional Plan incorporates performance monitoring and measurement of the regional transportation system, multimodal alternatives to single-occupancy vehicles, land use impact analysis, congestion management tools, and Integration with the Regional Transportation Improvement Program process.

City of Poway Transportation Master Element

This section outlines City's Transportation Master Element policies that are relevant to the proposed project. In general, an inconsistency with the Transportation Master Element would be identified when the addition of project traffic results in level of service that deviates from the following:

Policy C.1: Avoid approving any development that will increase the traffic on a City roadway above the design capacity threshold unless traffic/roadway design mitigation is available and/or will be implemented to achieve the desired capacity. If no feasible alternates are available, cumulative land use impacts on roadways should be assessed to ascertain the contribution of each new land use being considered.

Policy C.2: Prohibit development which will result in Levels of Service (LOS) exceeding "D" during the two highest peak hours at any intersection unless no feasible alternatives exist and an overriding public need can be demonstrated.

Consistency with these Transportation Master Element policies were evaluated in this analysis since they focus on circulation element roadways. The proposed project is not proposing any features that are inconsistent with the City's Transportation Master Element. It should be noted that the project land uses are consistent with those assumed in the City's Housing Element Update. Therefore, the roadway operation findings in the Local Transportation Assessment (Appendix L) are also consistent with those outlined in the City's Transportation Master Element. As a result, the project would not change or create any inconsistencies within the City's Transportation Master Element.

4.15.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to transportation are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to transportation would occur if the project would:

1. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.
2. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b).
3. Substantially increase hazards due to a design feature (e.g., sharp curves, or dangerous intersections) or incompatible uses (e.g., farm equipment).
4. Result in inadequate emergency access.

City of Poway Significance Criteria

A project is considered to have a significant impact if the new project traffic would decrease the operations of surrounding roadways by a defined threshold, in this case, San Diego Traffic Engineers' Council/Institute of Traffic Engineers guidelines (Appendix L). If a project exceeds the thresholds, then the project may be considered to have a significant impact. A feasible mitigation measure would need to be identified to return the impact within the thresholds (pre-project plus allowable increase) or the impact would be considered significant and unmitigated.

If a project's traffic causes the location to degrade from an acceptable LOS D or better to LOS E or LOS F, or if it exceeds the allowable thresholds for currently LOS E or F operating locations, a significant impact occurs.

Under Existing and Near-Term conditions, impacts are considered to be direct. Impacts in the Horizon Year 2035 condition are considered to be cumulative, since the impacts would occur with a reduction in reserve capacity due to traffic generated by future growth in the City with the buildout of General Plan land uses.

VMT Guidelines

This section provides an introduction to evaluating potential transportation impacts of a project as proposed by OPR to implement SB 743. OPR proposes that metrics based on VMT be used to evaluate a project's transportation effects, and that projects in proximity to transit are presumed to result in less-than-significant impacts. OPR also suggests thresholds of significance and technical methodologies to calculate VMT.

VMT Background and Induced Travel

VMT is defined as a measurement of miles traveled by vehicles within a specified region and for a specified time period. VMT is a measure of the use and efficiency of the transportation network. VMT's are calculated based on individual vehicle trips generated and their associated trip lengths. VMT accounts for two-way (round trip) travel and is often estimated for a typical weekday for the purposes of measuring transportation impacts.

Induced travel occurs where roadway capacity is expanded in an area of present or projected future congestion. The effect typically manifests over several years. Lower travel times make the modified facility more attractive to travelers, resulting in potential trip-making changes. Each of these effects has implications for the total amount of vehicle travel.

- **Longer Trips.** The ability to travel a long distance in a shorter time increases the attractiveness of destinations that are farther away, increasing trip length and vehicle travel.
- **Changes in Mode Choice.** When transportation investments are devoted to reducing automobile travel time, travelers tend to shift toward automobile use from other modes, which increases vehicle travel.
- **Route Changes.** Faster travel times on a route attract more drivers to that route from other routes, which can increase or decrease vehicle travel depending on whether it shortens or lengthens trips.
- **Newly Generated Trips.** Increasing travel speeds can induce additional trips, which increases vehicle travel. For example, an individual who previously telecommuted or purchased goods on the internet might choose to accomplish those tasks via automobile trips as a result of increased speeds.
- **Land Use Changes.** Faster travel times along a corridor lead to land development farther along that corridor; that new development generates and attracts longer trips, which increases vehicle travel. Over several years, this growth component of induced vehicle travel can be substantial.

VMT Significance Thresholds

As outlined in Section E.2 of OPR's Technical Advisory (Recommended Numeric Thresholds for Residential, Office, and Retail Projects):

> Recommended threshold for residential projects: A proposed project exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. Existing VMT per capita may be measured as regional VMT per capita or as city VMT per capita. Proposed development referencing a threshold based on city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the number of units specified in the SCS for that city, and should be consistent with the SCS.

A threshold of 15% below the San Diego region's base year VMT per capita was used to identify VMT related impacts. Based on SANDAG Series 14 Transportation Forecast (Series ID 458), the average VMT per capita for the San Diego Region is 18.9 miles. Therefore, the significance threshold used to evaluate and identify the proposed project's VMT related impacts was 16.1 miles [18.9 miles X (100% - 15%)].

4.15.4 Impacts Analysis

The proposed project seeks to develop the site with 63 single-family residential units. Proposed amenities would include 1 acre of recreational open space for residents to utilize and a trail connecting to the existing commercial center north of the site. A total of 40 guest parking spaces would be provided, in addition to the two-car parking garages with 20-foot-deep driveways provided for each unit.

Trip Generation

Trip generation rates for each land use are derived from SANDAG's Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, published in April 2002.

Table 4.15-4 tabulates the proposed project's trip generation. The total trips generated by the proposed project would be approximately 630 ADT, with 51 AM peak-hour trips (15 inbound/36 outbound) and 63 PM peak-hour trips (44 inbound/19 outbound).

Table 4.15-4. Proposed Project Trip Generation

				AM Peak Hour					PM Peak Hour				
					In:Out	*Volume*				*In:Out*	*Volume*		
Land Use	Units	Trip Rate	*ADT*[a]	*Rate*[b]	*Split*	*In*	*Out*	*Total*	*Rate*[b]	*Split*	*In*	*Out*	*Total*
Single Family	63	10/unit	630	8%	3:7	15	36	51	10%	7:3	44	19	63

Source: Appendix L.
Notes:
[a] Average daily trips.
[b] Rates are based on SANDAG's (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002.

Trip Distribution and Assignment

The project trip distribution was developed based on the geographical location of the project, the characteristics of the proposed land use, nearest freeway facilities, as well as the location of schools, job centers, and shopping centers. The proposed project's trip distribution and trip assignment are displayed in Figure 4.15-3 (Appendix L).

Cumulative Conditions – Near-Term

Cumulative Projects

The following three projects were identified by the City of Poway as cumulative projects, since they are anticipated to contribute traffic within the project study area:

1. **Poway Commons** proposed to develop 141 condominium units with 25,000 square feet of specialty retail. This project is located on the southwest corner of the Poway Road and Civic Center Drive intersection. The project is anticipated to generate 2,572 average daily trips with 175 trips (65-in / 110-out) during the AM peak hour and 224 trips (138-in / 86-out) during the PM peak hour.
2. **Fairfield** proposes to replace the existing shopping center and bowling alley with 221 apartments, 4,620 square feet of restaurant, and 3,878 square feet of retail uses. This project is located at the existing Carriage Center West Shopping Center and recently closed Poway Bowl parcel on 12845 and 12941 Poway

Road, respectively. The project is anticipated to generate 2,220 average daily trips with 170 trips (54-in / 116-out) during the AM peak hour and 192 trips (125-in / 67-out) during the PM peak hour.

3. **Outpost** proposes to develop 15,871 square feet of commercial space and 72 residential units (including 9 affordable units). The project is located at 13249-13253 Poway Road. The project is anticipated to generate 2,625 average daily trips with 135 trips (63-in / 72-out) during the AM peak hour and 187 trips (108-in / 79-out) during the PM peak hour.

The traffic generated from the projects listed above was included in the Near-Term Base scenario. Table 4.15-5 displays trip generation for the cumulative projects described above. The respective trip distribution and trip assignment assumptions for each cumulative project was obtained from each project's respective traffic impact study.

Table 4.15-5. Cumulative Projects Trip Generation

Project	Land Use	ADT	AM Peak Hour			PM Peak Hour		
			Total	*In*	*Out*	*Total*	*In*	*Out*
Poway Commons[1]	Residential and Retail	2,572	175	65	110	224	138	86
Fairfield[2]	Residential, Restaurant and Retail	2,220	170	54	116	192	125	67
Outpost[3]	Residential and Retail	2,625	135	63	72	187	108	79
	Total	7,417	480	182	298	603	371	232

Source: Appendix L.
Notes:
1 Trip generation and distribution was obtained from Meridian Poway Access Analysis Memorandum – Urban Systems Associates, Inc. October 2019.
2 Trip generation and distribution was obtained from Poway Road Mixed Use TIA – Linscott, Law & Greenspan, Engineers. June 2020.
3 Trip generation calculated using SANDAG's Not So Brief Guide of Vehicular Generation Rates in the San Diego Region, April 2002.

As shown, the cumulative projects are anticipated to generate 7,417 daily trips, with 480 trips during the AM peak hour and 603 trips during the PM peak hour. Figure 4.15-5, Cumulative Projects - Locations and Trip Assignment, displays the location of the cumulative projects and the cumulative project trip assignment.

Near-Term Scenarios

The following section presents the analysis of study area locations under two scenarios. The Near-Term condition includes nearby cumulative development projects, but not the proposed project. As discussed, a cumulative growth factor was added to existing traffic volumes given the majority of cumulative development projects are located outside the study area. This scenario assumes the existing lane geometrics. The Near-Term With Project scenario represents the effect of adding project-related traffic to the existing street network with no improvements assumed, and the assumed cumulative growth.

Near-Term Without Project

Intersections

Table 4.15-6 displays intersection LOS and average vehicle delay results for the key study area intersections under Near-Term Base conditions. As seen in Table 4.15-6, all study area intersections are projected to operate at LOS D or better under Near-Term Base conditions.

Roadway Segments

Table 4.15-7 displays each study roadway segment's design threshold, ADT volume, and whether the roadway segment operates within its design threshold. As seen in Table 4.15-8, all study roadways are anticipated to operate within their design threshold under Near-Term Base conditions.

Table 4.15-6. Peak Hour Intersection LOS Results – Near-Term Base Conditions

Intersection	Control Type	Peak Hour	Existing	
			Delay[a]	*LOS*[b]
1. Oak Knoll Road/Poway Road	Signal	AM	35.1	D
		PM	32.6	C
2. Pomerado Road/Poway Road	Signal	AM	41.1	D
		PM	46.9	D
3. Pomerado Road/Oak Knoll Road	Signal	AM	19.2	B
		PM	19.5	B
4. Oak Knoll Road/Project Driveway	Side-Street Stop Controlled	AM	--	--
		PM	--	--
5. Oak Knoll Road/Carriage Road	All-Way Stop Controlled	AM	7.4	A
		PM	8.1	A

Source: Appendix L.
Notes: Intersection #4 does not exist under this scenario.
For Side-Street Stop Controlled intersections, the delay shown is the worst delay experienced by any of the approaches.
[a] Average delay expressed in seconds per vehicle.
[b] Level of Service.

Table 4.15-7. Roadway Segment ADT and Thresholds – Near-Term Base Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Road	West of Oak Knoll Road	4-Lane Major Arterial	43,000	41,250	Yes
	Oak Knoll Road to Pomerado Road	4-Lane Major Arterial	43,000	36,380	Yes
Pomerado Road	North of Poway Road	4-Lane Collector	32,000	23,520	Yes
	Poway Road to Oak Knoll Road	4-Lane Collector	32,000	16,490	Yes
	South of Oak Knoll Road	4-Lane Collector	32,000	24,600	Yes
Oak Knoll Road	Poway Road to Pomerado Road	2-Lane Local Collector	10,900	6,900	Yes
	Pomerado Road to Carriage Road	2-Lane Local Collector	10,900	4,000	Yes
Carriage Road	Poway Road to Oak Knoll Road	2-Lane Local Collector	10,900	3,360	Yes

Source: Appendix L.
Notes: ADT = Average Daily Traffic.

Near-Term Plus Project

Roadway and intersection geometrics under the Near-Term Plus Project conditions were assumed to be identical to existing geometrics with the addition of the project driveway on Oak Knoll Road. Near-Term Plus Project traffic volumes were derived by combining the Near-Term Base traffic volumes (displayed in Figure 4.15-6, Traffic Volumes - Near Term Conditions) and the project trip assignment volumes (displayed in Figure 4.15-3). Peak hour intersection volumes for this scenario are displayed in Figure 4.15-7, Traffic Volumes - Near Term Plus Project Conditions.

Intersections

Table 4.15-8 displays intersection LOS and average vehicle delay results under Near-Term Plus Project conditions. As seen in Table 4.15-8, all study area intersections are projected to operate at LOS D or better under Near-Term Plus Project conditions. As such, the project would have a **less than significant impact**.

Roadway Segments

Table 4.15-9 displays each study roadway segment's design threshold, ADT volume, and whether the roadway segment operates within its design threshold. As seen in Table 4.15-9, all study roadways are anticipated to operate within their design threshold under Near-Term Plus Project conditions. As such, the project would have a **less than significant impact**.

Table 4.15-8. Peak Hour Intersection LOS Results – Near-Term Plus Project Conditions

Intersection	Control Type	Peak Hour	Near-Term		Near-Term With Project		Δ [c] Delay	Sig?
			Delay [a]	*LOS* [b]	*Delay*	*LOS*		
1. Oak Knoll Road/ Poway Road	Signal	AM	35.1	D	37.0	D	1.9/1.0	No
		PM	32.6	C	33.6	C		
2. Pomerado Road/ Poway Road	Signal	AM	41.1	D	41.2	D	0.1/0.4	No
		PM	46.9	D	47.3	D		
3. Pomerado Road/ Oak Knoll Road	Signal	AM	19.2	B	19.5	B	0.3/0.6	No
		PM	19.5	B	20.1	C		
4. Oak Knoll Road/ Project Driveway	Side-Street Stop Controlled	AM	--	--	10.5	B	10.5/9.8	No
		PM	--	--	9.8	A		
5. Oak Knoll Road/ Carriage Road	All-Way Stop Controlled	AM	7.6	A	7.4	A	0.1/0.1	No
		PM	8.1	A	8.2	A		

Source: Appendix L.
Notes: Sig = Significant impact, yes or no; Intersection #4 does not exist under Near Term scenario.
For Side-Street Stop Controlled intersections, the delay shown is the worst delay experienced by any of the approaches.
[a] Average delay expressed in seconds per vehicle.
[b] Level of service
[c] Δ denotes the increase in delay due to project in seconds.

Table 4.15-9. Roadway Segment ADT and Thresholds – Near-Term Plus Project Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Rd	West of Oak Knoll Rd	4-Lane Major Arterial	43,000	41,628	Yes
	Oak Knoll Rd to Pomerado Rd	4-Lane Major Arterial	43,000	36,436	Yes

Table 4.15-9. Roadway Segment ADT and Thresholds – Near-Term Plus Project Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Pomerado Rd	North of Poway Rd	4-Lane Collector	32,000	23,584	Yes
	Poway Rd to Oak Knoll Rd	4-Lane Collector	32,000	16,610	Yes
	South of Oak Knoll Rd	4-Lane Collector	32,000	24,694	Yes
Oak Knoll Rd	Poway Rd to Pomerado Rd	2-Lane Local Collector	10,900	7,222	Yes
	Pomerado Rd to Carriage Rd	2-Lane Local Collector	10,900	4,536	Yes
Carriage Rd	Poway Rd to Oak Knoll Rd	2-Lane Local Collector	10,900	3,454	Yes

Source: Appendix L.
Notes: ADT = Average Daily Traffic.

Pedestrian Mobility

As previously stated, pedestrian circulation throughout the study area is mainly provided by sidewalks. The project would potentially add 1,000 feet of pedestrian trail that would connect the project to the commercial uses and a MTS bus stop along Poway Road, north of the project site. Overall, pedestrian facilities would be improved with implementation of the proposed project and impacts would be **less than significant**.

Bicycle Mobility

All bicycle facilities along the project frontage have already been implemented. No additional bicycle improvements are planned to be implemented by the proposed project. The project would not have a significant impact on existing bicycle facilities. Impacts would be **less than significant**.

Transit Mobility

The proposed new pedestrian trail would provide pedestrian access from the project site to nearby bus stations. The project site would be served by MTS Bus Routes 944, 945 and 945A. Overall, transit mobility would be improved with implementation of the proposed project and impacts would be **less than significant**.

Site Assessment

On-Site Vehicular Circulation

The project would take access via the main driveway located on Oak Knoll Road. The driveway would connect to an internal project roadway that is a north/south loop through the project site. The internal project roadway connects to each dwelling unit's driveway. As shown in the previous section, the proposed project driveway is anticipated to operate at LOS A under all analysis scenarios. The project driveway will be designed to provide adequate corner sight distance for vehicles exiting the project site. There are no sight distance issues anticipated as the project driveway is located on a straight segment of Oak Knoll Road with no vertical or horizontal curvature. Driveway design plans showing the corner sight distance triangles will be submitted as part of the civil design plan set to the City.

Parking

The project would provide two-car parking garages for each unit and 20-foot-deep driveways to accommodate off-street parking. Additionally, the project includes 40 guest parking spaces along the private streets on the site. As such, the project would provide adequate parking spaces for the residents and their guests. It should be noted that the parking located within the project site would only be available to project residents and their guests. Parking spill over from the adjacent neighborhood would not be allowed. It will be the responsibility of the HOA to identify and report violators to the proper authorities.

Emergency Access

Emergency vehicle access is provided by the project's primary entrance off Oak Knoll Road and within proposed private streets. Additionally, the project boundary at Roca Grande Drive is proposed to be a gated emergency vehicle access that could be used for resident evacuation purposes, at the discretion of the Poway Fire Department. Emergency medical services, including ambulance transportation, are provided by the City as part of the Poway Fire Department operations. The nearest emergency facility, Palomar Medical Center, is located approximately 3 miles north of the proposed project on Pomerado Road. The nearest fire station (Station 1) is located approximately 1 mile east of the project site at 13050 Community Road.

The City of Poway Fire Department (PFD) does not have an internal response time standard, and the Fire Response Technical Memorandum utilizes the San Diego County standard of 5-minute travel time (7.5-minute total response time). The closest fire station to the project site is Fire Station 1, to which the furthest structure in the proposed project would be approximately 1.6 miles. According to Appendix P, Fire Response Technical Memorandum, response to the project site from the closest existing PFD fire station (Station 1) would arrive at the project's primary entrance off Oak Knoll Road within 3 minutes, 13 seconds travel time (5 minutes, 49 seconds total response time) and the most remote units within the project are reached within 3 minutes, 27 seconds travel time, or 5 minutes, 57 seconds total response time. This analysis indicates that the entire project is within a fast response time from the nearest fire station and meets the 5-minute travel time standard. This analysis also indicates that Station 3 also has a fast response time, arriving in 3 minutes, 48 seconds travel time at the project entry (5 minutes, 18 seconds total response time) and is an appropriate second-due engine. Impacts regarding site access or emergency access would be **less than significant**.

VMT Analysis

The City has not yet adopted significance thresholds that utilize VMT to assess transportation related impacts, is as required under Section 15064.3(b)(1) of the CEQA Guidelines. Therefore, the methodologies, substantial evidence, and recommended significance thresholds presented OPR's Technical Advisory were used to assess and identify the VMT related impacts that may be associated with the proposed project. It should be noted that the Guidelines for Transportation Impact Studies in the San Diego Region, May 2019 (Regional Guidelines) is an additional resource that can be used to identify and determine VMT related impacts within the San Diego Region. However, the VMT related significance thresholds presented in Regional Guidelines were derived, and are consistent with, OPR's Technical Advisory. Additionally, no jurisdiction within the San Diego Region has officially adopted or indorsed the Regional Guidelines to this point, thus they are only used for information purposes. Therefore, OPR's Technical Advisory was used as the primary source in determining the thresholds for the project (Appendix M).

Screening Criteria

OPR's Technical Advisory outlines several screening criteria in which land development can be assumed to have a less than significant VMT related impact, and are thus screened out from conducting a detailed VMT analysis. OPR's identified screening criteria includes small project screening (generates less than 110 daily trips), projects located within a VMT efficient area, projects located within a Transit Priority Area, 100% affordable housing projects, and locally serving uses. The project does not meet any of the identified screening criteria, and therefore is required to conduct a detailed VMT analysis.

Significance Thresholds

As discussed above in Section 4.15.3, Thresholds of Significance, the significance threshold used to evaluate and identify the proposed project's VMT related impacts was 16.1 miles [18.9 miles X (100% - 15%)]. Since the project's VMT related impacts will be assessed utilizing an efficiency-based metric (VMT per capita), the proposed project's direct (project) and cumulative impacts can be assumed to be the same, thus, no additional cumulative analysis is required.

VMT Analysis Tool

The SANDAG Series 14 Regional Growth Forecast (ABM2+) is the most up-to-date transportation forecast within the San Diego region. ABM2+ utilizes a tour-based methodology to calculate both vehicular trip generation and VMT output. This is consistent with the recommendations outlined in Section B1 of ORP's Technical Advisory. Based on these findings, the ABM2+ was identified as the most accurate and correct tool to evaluate the project's VMT related impacts. As such, the San Diego Region SB 743 VMT Maps was utilized to derive the VMT per capita for the project site.

VMT Impact Analysis

Table 4.15-10 evaluates the VMT per capita in which the proposed project's site is anticipated to generate. Additionally, the table compares the project VMT to the regional significance threshold to identify if the project would have a significant VMT related impact.

As shown in Table 4.15-10, the project site is anticipated to generate a VMT per capita that is 4.6 miles per resident over the regional the regional threshold, thus resulting in a significant VMT related impact. The project would need to reduce its overall VMT generation by 22.2% (4.6 miles / 20.7 miles) to reduce this impact to less than significant.

Table 4.15-10. VMT Impact Analysis

Project Site VMT Per Capita (Miles)[1]	Regional VMT Per Capita Threshold (Miles)	Difference (Miles)	Difference (%)	Significant Impact?
20.7	16.1	4.6 over	+22.2%	Yes

Source: Appendix M.
Notes:
1 Source: San Diego Region SB 743 VMT Maps (TAZ 1395).

4.15.4.1 CEQA Impacts

Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Consistency with these Transportation Master Element policies were evaluated in this analysis since they focus on circulation element roadways. The proposed project is not proposing any features that are inconsistent with the City's Transportation Master Element. It should be noted that the proposed project land uses are consistent with those assumed in the City's Housing Element Update. Therefore, the roadway operation findings in this study are also consistent with those outlined in the City's Transportation Master Element. As a result, the proposed project will not change or create any inconsistencies within the City's Transportation Master Element.

Based on the City of Poway significance thresholds and the analysis methodology, project-related and cumulative traffic was calculated to result in less than significant impacts. Direct impacts were calculated where project-added traffic resulted in a degradation in measures of effectiveness above the allowable thresholds in the Near-Term conditions. Cumulative impacts were calculated where project-added traffic resulted in a degradation in measures of effectiveness greater than the allowable thresholds. The impacts would be **less than significant**.

Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

As shown in Table 4.15-10, the project site is anticipated to generate a VMT per capita that is 4.6 miles per resident over the regional threshold, thus resulting in a significant VMT related impact. The project would need to reduce its overall VMT generation by 22.2% (4.6 miles / 20.7 miles) to reduce this impact. Therefore, based on the applied significance criteria, potential impacts caused by the project VMT would be **potentially significant (Impact TR-1)**, and mitigation would be required (MM-TR-1).

Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No potentially hazardous roadway design features (e.g., sharp curves, dangerous intersections) are proposed as part of the project. The installation and maintenance of sight-distance corridors would ensure that unobstructed line of sight is available on the approach to proposed project intersections and driveways to maximize the length of roadway visible to motorists. A pedestrian trail within the project site is one of several planned improvements designed to enhance safety for pedestrians (see Appendix L for further details). Signage, ground markings, and speed reduction measures would be implemented to help manage travel speeds and enhance pedestrian safety. Compliance with Engineering Standards, safety-related policies, and incorporation of the proposed project's TDM measures would ensure that the impacts of the proposed project relative to traffic hazards would be **less than significant**.

Would the project result in inadequate emergency access?

The proposed project site is divided by Oak Knoll Road. The northern portion of the project site would have one main access point via Oak Knoll Road and one emergency vehicle access only access point via Roca Grande Road. The southern portion of the site would be accessible via Oak Knoll Road. PFD has necessary turnarounds and turnouts for fire apparatus access roads within the project area to provide access to all structures—all of which conform to the required diameter for turnarounds and turnouts. All new roads in the City—including any that would be constructed as part of the proposed project—must follow PFD's protocol to ensure adequate emergency access (PFD 2013).

Emergency medical services, including ambulance transportation, are provided by the City as part of the Poway Fire Department operations. The nearest emergency facility, Palomar Medical Center, is located approximately 3 miles north of the proposed project on Pomerado Road. The nearest fire station (Station 1) is located approximately 1 mile east of the project site. As outlined in Section 4.13, Public Services, PFD does not have an internal response time standard, and the Fire Response Technical Memorandum utilizes the San Diego County standard of 5-minute travel time (7.5-minute total response time). The closest fire station to the project site is Fire Station 1, to which the furthest structure in the proposed project would be approximately 1.6 miles. According to Appendix P, response to the project site from the closest existing PFD fire station (Station 1) would arrive at the project's primary entrance off Oak Knoll Road within 3 minutes, 13 seconds travel time (5 minutes, 49 seconds total response time) and the most remote units within the project are reached within 3 minutes, 27 seconds travel time, or 5 minutes, 57 seconds total response time. This analysis indicates that the entire project is within a fast response time from the nearest fire station and meets the 5-minute travel time standard. This analysis also indicates that Station 3 also has a fast response time, arriving in 3 minutes, 48 seconds travel time at the project entry (5 minutes, 18 seconds total response time) and is an appropriate second-due engine.

As part of the construction and occupancy permitting process, emergency access throughout the site would be reviewed for consistency with and adherence to standards identified in applicable regulatory documents including but not limited to the Uniform Building Code and California Fire Code. In addition, structures would be inspected by emergency responder entities including the fire department. Therefore, impacts regarding site access and/or emergency access would be **less than significant**.

4.15.5 Cumulative Impacts

Cumulative impacts were calculated where project-added traffic resulted in a degradation in measures of effectiveness greater than the allowable thresholds in the Near Term Plus Project condition. Cumulative impacts would be **less than significant**.

Cumulative impacts related to VMT would be potentially significant, as previously stated, the project's generated VMT is above the Regional VMT Per Capita Threshold. Therefore, based on the applied significance criteria, the proposed project would contribute to a cumulatively considerable impact relative to VMT and impacts would be **significant and unavoidable.**

4.15.6 Mitigation Measures

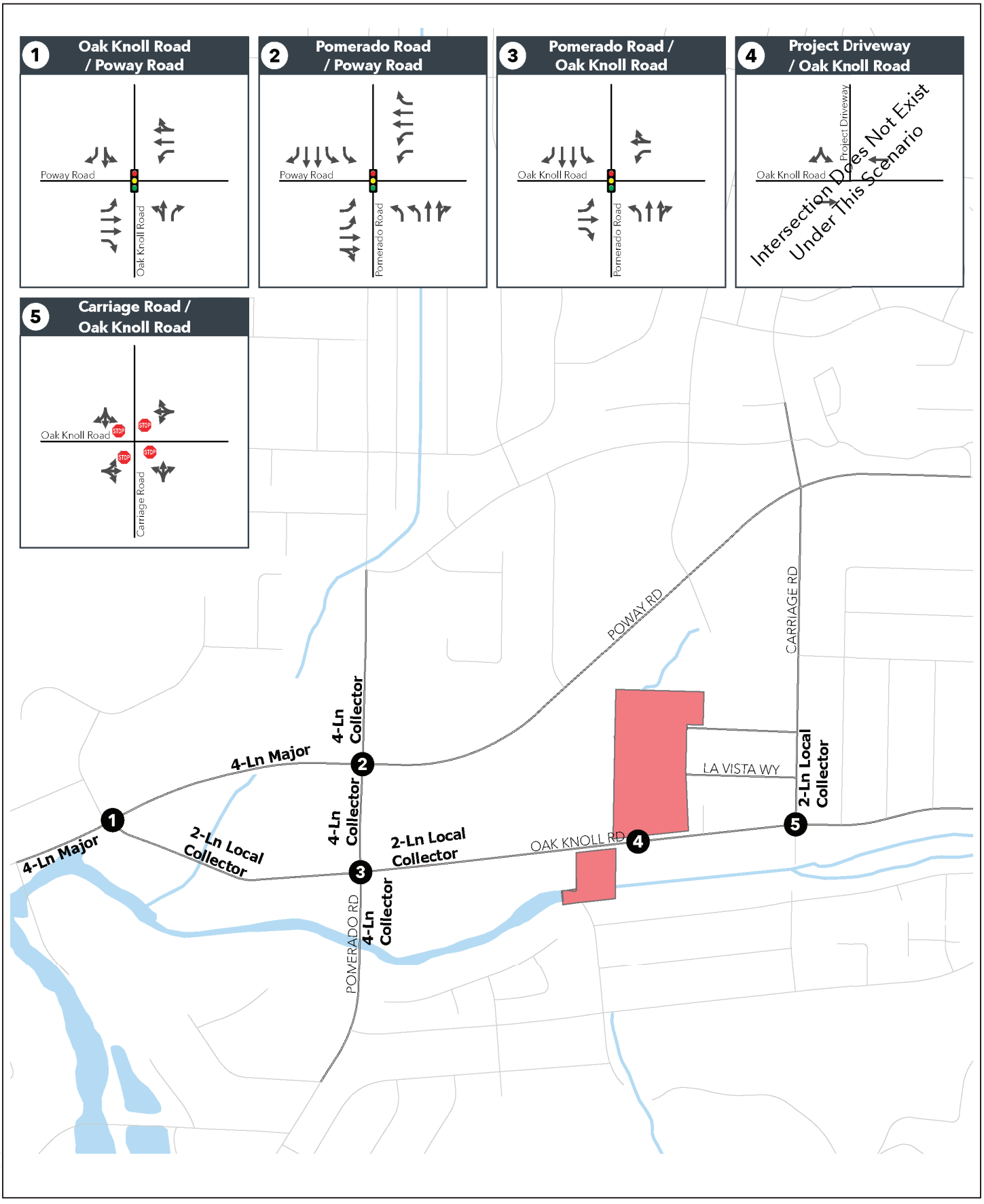
As outlined in the Traffic Impact Study (Appendix M), TDM measures included in the CAPCOA GHG Handbook were analyzed against the project for its applicability. The VMT reductions that would be associated with each identified feasible measure were then calculated in Section 3.3 of Appendix M. As outlined in Table 3.2 of Appendix M, only one measure was determined to be feasible. This measure is outlined below.

MM-TR-1: **Provide Community-Based Travel Planning.** The project HOA would provide alternative modes of transportation information to residents and tenant as a part of the "New Resident" or "New Tenant" package. The HOA will also provide residents with transit schedules within the area, and alert residents when new transit services are added, or services are charged. The HOA will also act as Travel Advisor, providing new residents and tenants with information regarding how members of households can travel in alternative ways that meet their needs.

Based on US Census data, the average people per household within the City is 2.99. Therefore, the project would be anticipated to have a total of 191 residents (2.99 people per household X 64 units). All project residents would be targeted with the CBTP. (191 CBTP Targeted Residences/191 Total Residents) x 19% x 12% x1 = 2.3% VMT Reduction.

4.15.7 Level of Significance after Mitigation

When determining the overall VMT reduction associated with the project, the VMT reduction for each individual strategy should be dampened, which is adjusted to reflect that some of the strategies of the strategies may be redundant or applicable to the same populations. Consequently, if all potential TDM measures identified in the previous section were fully realized, the project's VMT would be reduced by 2.3% to 20.22 miles (20.7 miles X (100%-2.3%)). The reduction is not sufficient to reduce the VMT per capita below the regional threshold (16.1 miles). Therefore, the project's VMT per capita would result in a significant impact. As outlined in Appendix M, there are no additional quantifiable VMT reducing measures in which the proposed project can feasibility implement. Therefore, the proposed project's VMT related impact would be **significant and unavoidable.**



SOURCE: Intersecting Metrics 2022

FIGURE 4.15-1

Intersection Lane Configuration - Existing Conditions

Harmon Ranch Specific Plan Project EIR

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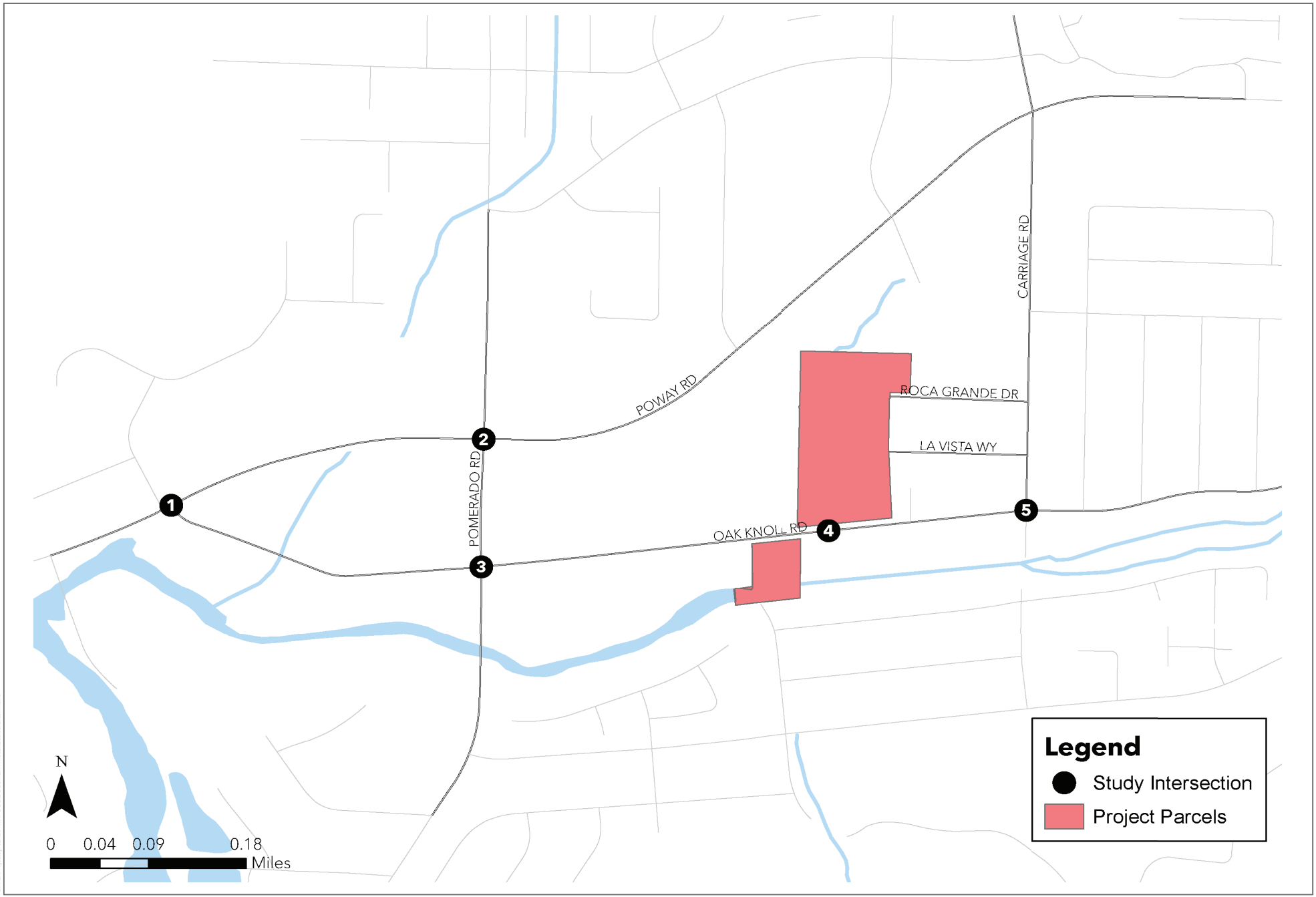

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-2

Local Transportation Network

Harmon Ranch Specific Plan Project EIR

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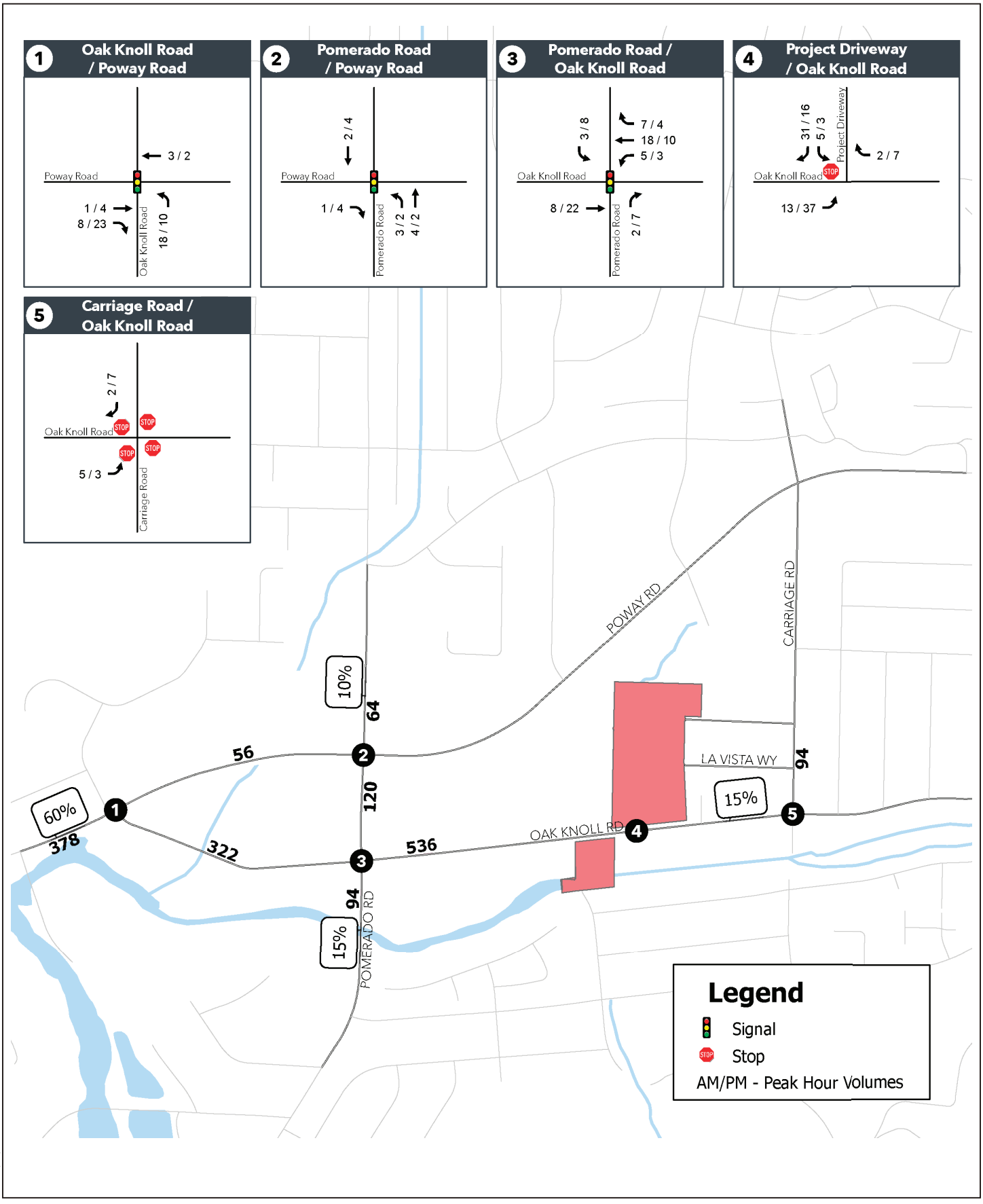

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-3

Traffic Volumes - Project Trip Assignment

Harmon Ranch Specific Plan Project EIR

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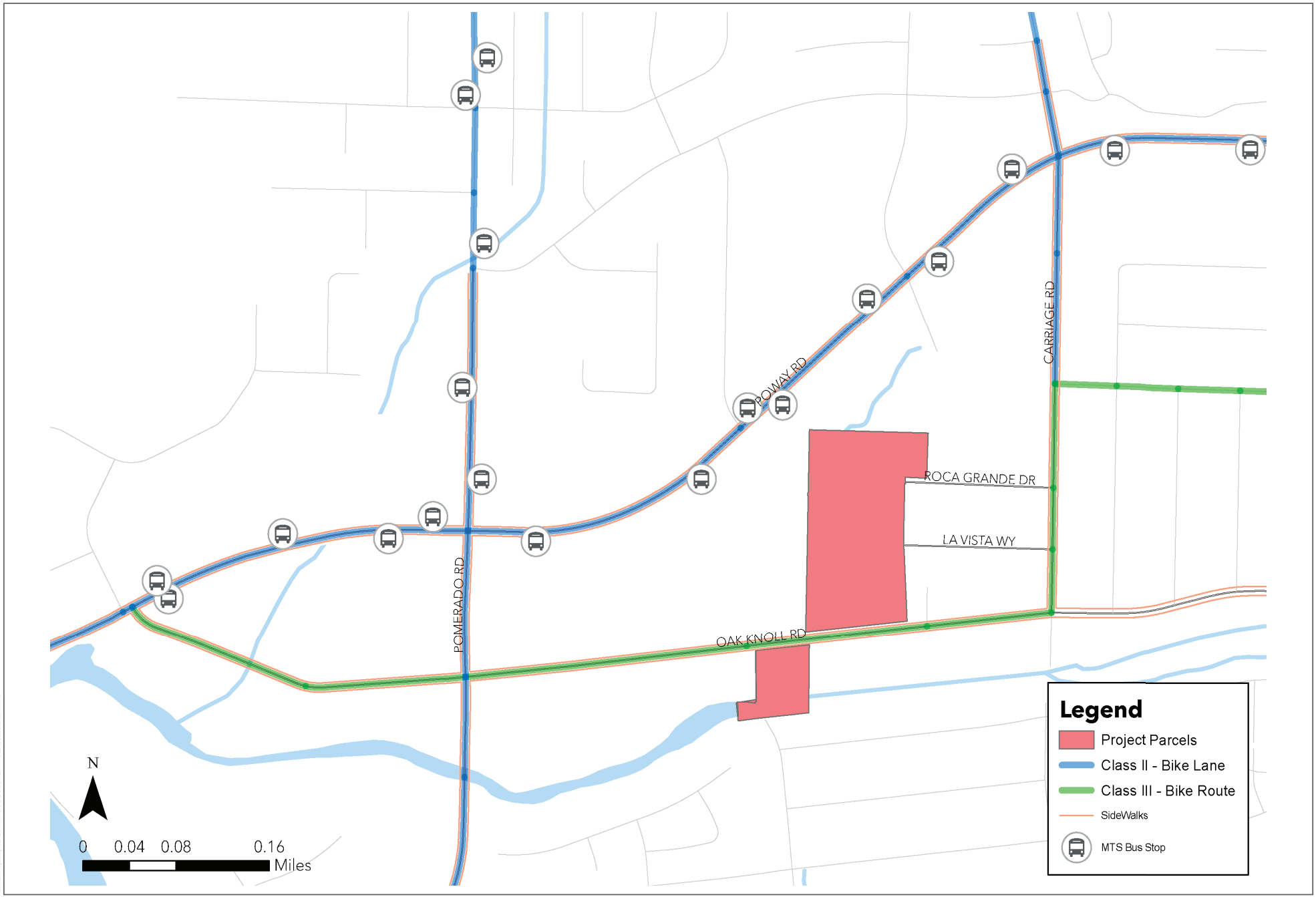

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-4

Local Transportation Network - Pedestrian Traffic

Harmon Ranch Specific Plan Project EIR

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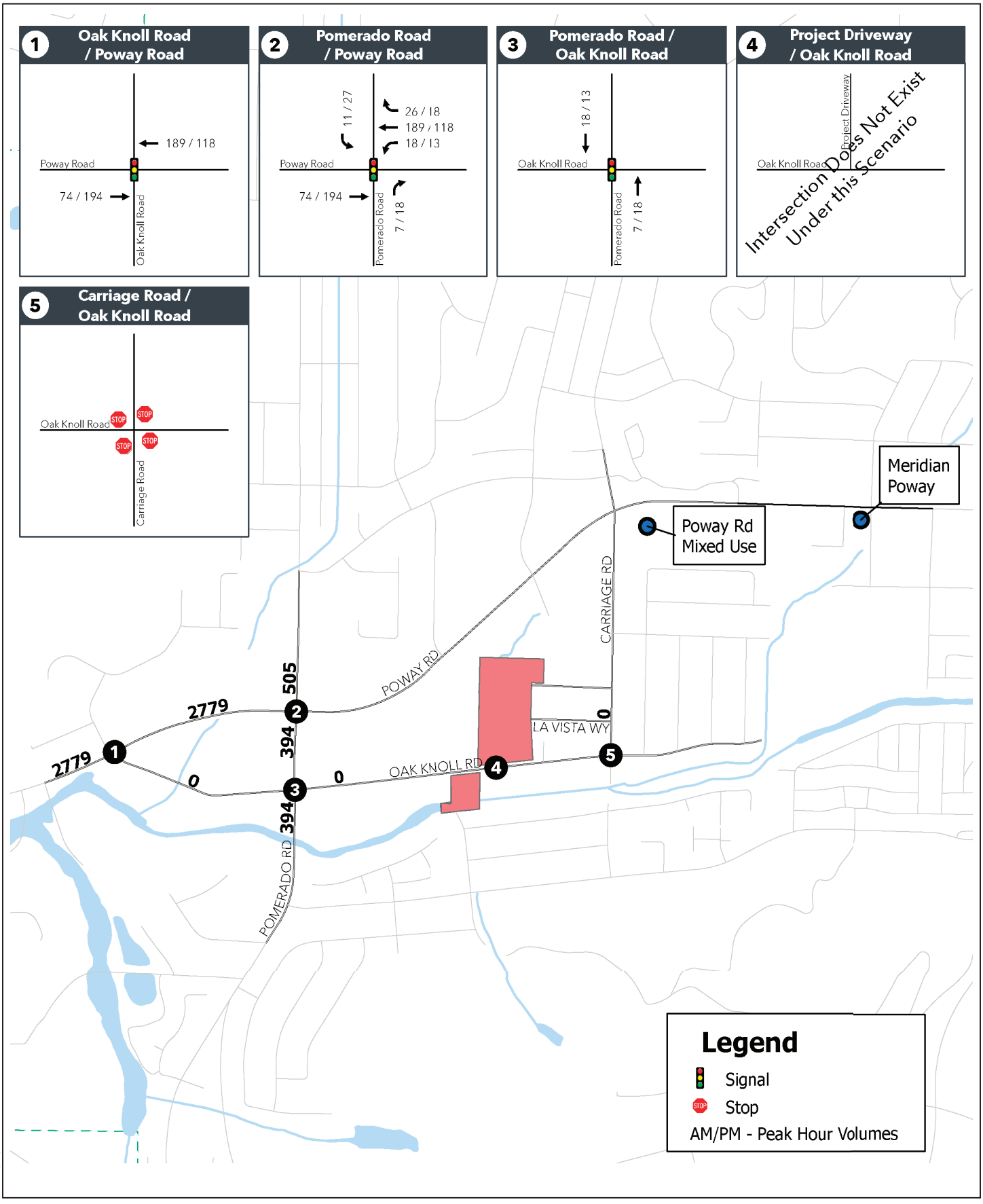

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-5

Cumulative Projects - Locations and Trip Assignment

Harmon Ranch Specific Plan Project EIR

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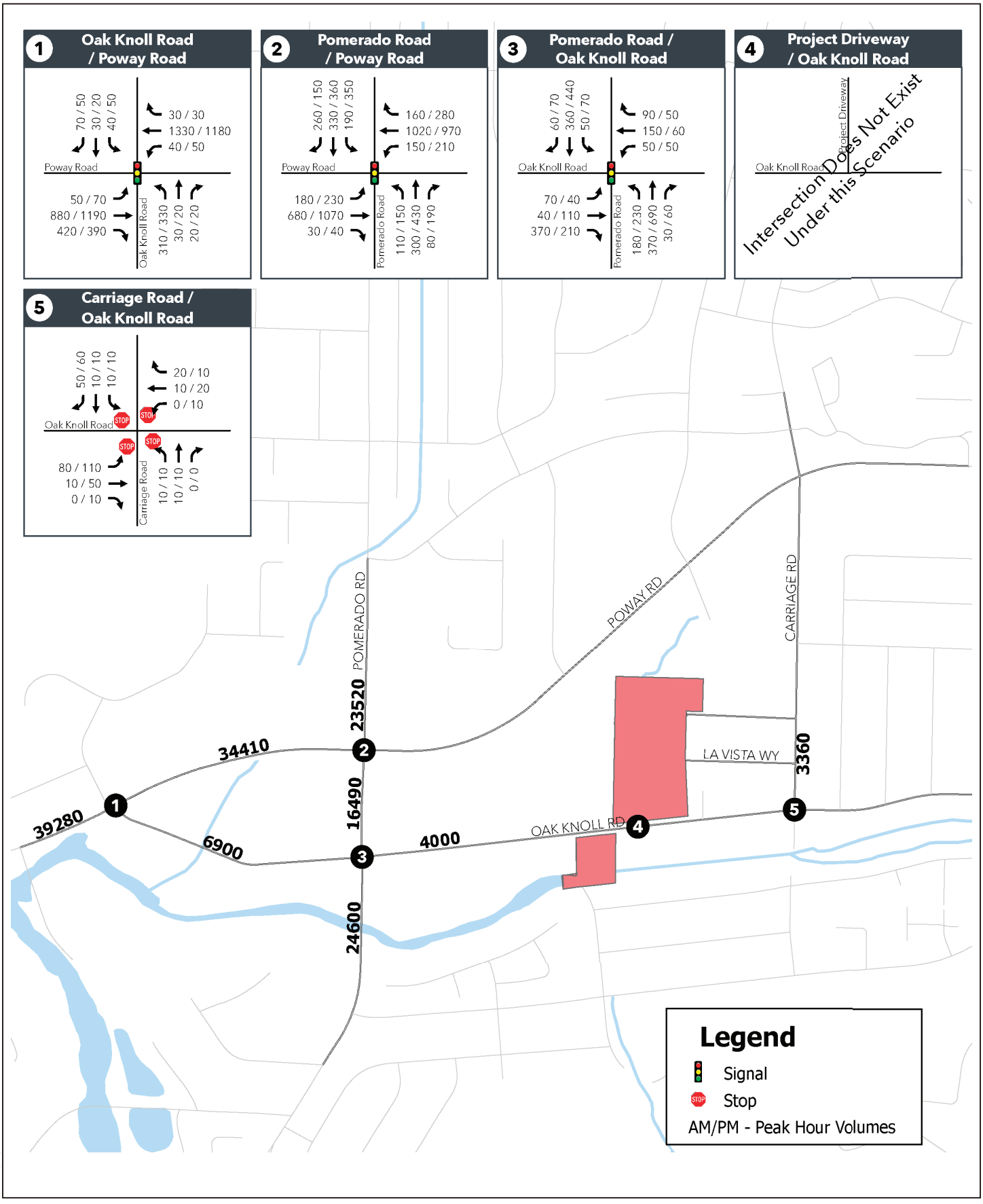

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-6

Traffic Volumes - Near Term Conditions

Harmon Ranch Specific Plan Project EIR

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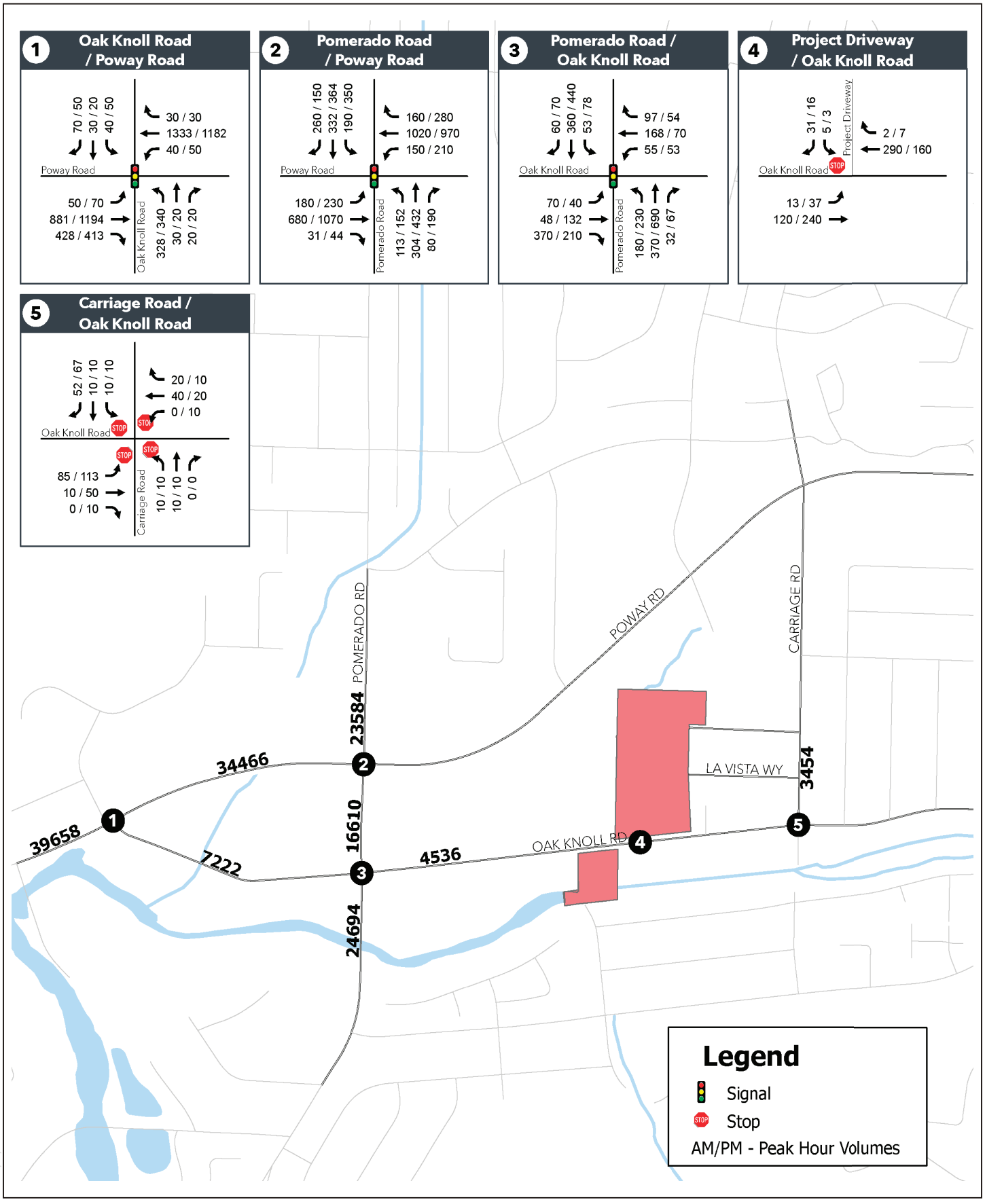

SOURCE: Intersecting Metrics 2022

FIGURE 4.15-7

Traffic Volumes - Near Term Plus Project Conditions

Harmon Ranch Specific Plan Project EIR

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4.16 Utilities and Service Systems

This section describes the existing utilities conditions of the Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. Potential impacts associated with electricity, natural gas, and fuel (petroleum) are analyzed in Section 4.5, Energy, of this environmental impact report (EIR). This section covers resources related to water, wastewater, stormwater, and solid waste. This analysis is based on review of existing resources; technical data; applicable laws, regulations, and guidelines; the Water Service Analysis for the Harmon Ranch Project (included as Appendix N) prepared for the City of Poway by Mission Consulting Services in September 2023, and the Sewer Service Analysis for the Harmon Ranch Project (included as Appendix O) prepared by Dexter Wilson Engineering, Inc. in September 2023.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to utilities and service systems focused on the following topics:

- Source of water supply
- Impacts to existing sewer lines

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.16.1 Existing Conditions

Local Water Source and Supply

The City of Poway (City) Public Works Department operates a modern water treatment and distribution system. The City's water infrastructure is supported by importation of water from both the Colorado River and Northern California. Within the City, Lake Poway serves as a storage reservoir and is able to store over 1 billion gallons of water at a time. Water flows through the Lester J. Berglund Water Treatment Plant (Berglund WTP), where approximately 3 billion gallons of drinking water are treated every year. Once treated, the drinking water enters a system of pipes, pump stations, and reservoirs for delivery to customer's homes and businesses. The City's drinking water meets or exceeds all state and federal standards for water quality (City of Poway n.d.).

Regional Water Supply and Distribution

San Diego County Water Authority

The San Diego County Water Authority (SDCWA) provides 99% of the City's water in the form of untreated water, with the remaining demand being met through recycled water purchased from the City of San Diego (City of Poway 2020). SDCWA is supplied water by the Metropolitan Water District of Southern California (MWD), water transfers from the Imperial Irrigation District, and desalinated water from the Carlsbad Desalination Plant. MWD water derives primarily from the State Water Project and the Colorado River (SDCWA 2021). All of this imported water is treated locally at the City's water treatment plant and then distributed via a complex and comprehensive systems of pumps and pipes (City of Poway 2020).

The project site is located within the service area known as the 715 zone. This pressure zone is supplied by gravity from the City's main 865 Zone through several pressure reducing stations and from the 895 Zone to the south. The 1.0-million gallon Celestial Reservoir provides storage for this zone.

The SDCWA service area covers approximately 951,000 acres, services a population of approximately 3.3 million people, and encompasses the western third of the County of San Diego (County). SDCWA water is imported from MWD under a transfer agreement with Imperial Irrigation District, and agreements for the lining of the All American and Coachella Canals, via the Quantification Settlement Agreement of October 2003. Most of this water is obtained from the Colorado River and the State Water Project through a massive system of pipes and aqueducts (SDCWA 2021).

Both MWD and SDCWA provide water to their member agencies to meet projected water demand based on regional population forecasts. The San Diego Association of Governments is responsible for providing and updating land use planning and demographic forecasts for the County. MWD and SDCWA update their water demand and supply estimates based on the most recent demographic forecasts approximately every 5 years to coincide with preparation of their respective Urban Water Management Plans (UWMPs) (SDCWA 2021).

SDCWA's 2020 UWMP includes a summary of the total projected water supplies and demands over the next 25 years in 5-year increments under normal, single dry, and multiple dry water years within SDCWA's service area (which includes the City and Poway Municipal Water District). SDCWA's reliability assessment demonstrates that, even with very conservative assumptions regarding the availability of dry year supplies from MWD, the San Diego region's existing and projected water resource mix is increasingly drought-resilient and the SDWCA would be able to meet demand single dry years, and multiple dry years (SDCWA 2021). In summary, the regional water supply agencies, MWD and SDCWA, contemplate sufficient, reliable supplies to serve existing and projected future demand.

The City imports 99% of its water supply from SDCWA in the form of raw, untreated water. When available, the City's water supply also includes local rainfall that is captured in Lake Poway. Poway also purchases recycled water (approximately 400–500 acre-feet per year) from the City of San Diego for irrigation in the Poway Business Park. The City owns and operates the Berglund WTP, which treats the raw, untreated imported water and rainfall to potable (drinking water) levels for the City. The Berglund WTP has a peak design capacity of 24 million gallons per day (mgd). The distribution system includes approximately 294 miles of water mains; 18 pressure zones; one 10-million-gallon clear well; and 18 drinking water storage tank reservoirs that range in capacity from 200,000 gallons to 2.5 million gallons and exist to maintain adequate supplies during peak demand, for fire flow, or other emergencies (City of Poway 2020). All of the storage reservoirs are covered to prevent losses from evaporation and reduce pollution or contamination risks. The City's surface water reservoir, Lake Poway, is a constructed surface storage reservoir with a maximum capacity of 3,300 acre-feet (or 1,075 million gallons). Lake Poway provides storage for emergencies, and buffers the effects of peak seasonal water demands. Imported water supplies are delivered to SDCWA and the City through a system of large-diameter pipelines, pumping stations, and reservoirs (City of Poway 2020). The service area population in 2020 was estimated as 49,062 people and is only expected to increase by approximately 211 people or 4% over the next 25 years. (City of Poway 2020).

The City's potable water use for 2020 was 8,774 acre-feet, which was an approximately 4% increase from the 2015 water use of 8,374 acre-feet. As part of the 2015 UWMP, the City projected that the water use in 2020 would be 10,697 acre-feet, including raw water, system losses and sales to other agencies. The actual 2020 demand was almost 18% less than the projected 2020 demand. The City's initiatives to decrease water

use to meet 2020 gallon per capita per day targets and drought restrictions have been the biggest factors in the actual 2020 water demand being less than that projected in the 2015 UWMP (City of Poway 2020).

Metropolitan Water District of Southern California

MWD supplies water to approximately 19 million people in a 5,200-square-mile service area that includes portions of Ventura, Los Angeles, Orange, San Bernardino, Riverside, and San Diego Counties. The MWD service area covers a 70-mile-wide strip of the Southern California coastal plain, extending from the City of Oxnard on the north to the US-Mexico international border on the south. Close to half of the water used in this region is supplied by MWD, and about 90% of the regional population receives at least some of its water from MWD. MWD provides approximately 71% of the total water supply for the County, including incorporated areas such as the City. SDCWA is one of MWD's 27 member agencies and is the largest MWD member agency in terms of deliveries (MWD 2011).

Wastewater Service

The City's Public Works Department operates and maintains the sewer system that wastewater generated from the proposed project would be conveyed through. The wastewater collected in the City's sewage system is conveyed through the City of San Diego's Municipal Wastewater System for conveyance through the Metropolitan Wastewater System for treatment at either the North City Water Reclamation Plant (NCWRP) or the Point Loma Wastewater Treatment Plant (PLWTP) (Appendix Q, Harmon Ranch Specific Plan).

NCWRP is located approximately 9.6 miles southwest of the project site, is tertiary treatment facility, and provides reclaimed water for the City for irrigation, landscaping, and industrial use. NCWRP's treatment capacity is 30 mgd and currently operates at a nominal flow rate of 15.4 mg (City of San Diego n.d.a; PUD 2017). PLWTP is located approximately 22 miles southwest of the project site, is a primary treatment plant, and treats the majority of the City's wastewater (City of Poway 2019; PUD 2017). The PLWTP has a treatment capacity of 240 mgd and currently operates at an average daily flow rate of 175 mgd (City of San Diego n.d.b; PUD 2017). Table 4.16-1 shows the wastewater treatment capacities of the facilities discussed above.

Table 4.16-1. Wastewater Treatment Capacities

Facility	Average Daily Throughput (mgd)	Maximum Daily Throughput (mgd)	Percentage of Capacity
NCWRP	15.4	30	46
PLWTP	175	240	73

Source: City of San Diego. n.d.a, n.d.b; PUD 2017.
Note: NCWRP = North City Water Reclamation Plant; PLWTP = Point Loma Wastewater Treatment Plant.

Existing City sewer facilities in proximity to the project site include an 8-inch public sewer line and a 30-inch public trunk sewer within Oak Knoll Road. Sewer flow from existing residences along Oak Knoll Road are conveyed through 8-inch public gravity sewer lines that move east to west and tie into the 30-inch trunk sewer, which ultimately flows west into Oak Knoll Road to Pomerado Road.

Storm Drain Systems

The Department of Public Works Stormwater and Flood Control Division manages and maintains the stormwater drain lines within the City to collect storm runoff and help prevent flooding of developed areas. The stormwater system consists of channels, gutters, drains, catch basins, and pipes that convey the runoff to receiving water bodies. The City is located within two watershed management areas: Los Penasquitos, which covers 61.7% of the City, and San Dieguito, which covers the remaining 38.3% of the City. The project site falls within the Los Penaquitos Watershed Management Area.

The City adopted its Jurisdictional Runoff Management Plan in 2015, which directs the City to reduce discharges of pollutants into stormwater conveyance systems through implementation of best management practices, water quality monitoring, educational outreach, municipal maintenance procedures, and inspection and enforcement programs. As discussed in Chapter 3, Project Description, the project site drains in a general southern direction and discharges to an existing 36-inch storm drain located in Oak Knoll Road. An existing open channel across the northwestern portion of the project site drains southwesterly to the adjacent apartment site. Drainage is conveyed off site within an 8'x5' Reinforced Concrete Box in a southwesterly direction. The 36-inch Oak Knoll Road storm drain joins the 8'x5' RCB that discharges to the west of the project site into Poway Creek.

Solid Waste Disposal

The City contracts with a private hauler, EDCO, for residential and commercial solid waste and recycling pickup and disposal. EDCO has been family owned and operated since 1967, and serves waste and recycling demands of Southern California communities. With a focus on recycling, EDCO has developed an extensive network of material recovery facilities, construction and demolition processing facilities, commingled recycling processing centers, buyback centers, and household hazardous waste collection centers that are collectively designed to maximize recovery efforts (EDCO n.d.). EDCO currently operated six certified recycling buyback centers, four material recovery facilities, six transfer stations, and two mixed construction demolition and inert processing facilities with a goal of achieving zero waste. In 2020, EDCO diverted over 910,027 tons from the landfill.

According to the California Department of Resources Recycling and Recovery (CalRecycle), the 2019 per-capita disposal rate estimate for residential uses was 6.7 pounds per resident per day (CalRecycle 2019a).

4.16.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Water Pollution Control Act of 1972 (Clean Water Act)

The principal federal law regulating water quality in the United States is the 1972 Federal Water Pollution Control Act, also known as the Clean Water Act. The fundamental purpose of the Clean Water Act is the protection of designated beneficial uses of water resources. The Clean Water Act establishes a system of water quality standards, discharge limitations, and permits; it requires states to adopt water quality standards to protect public health and welfare, enhance the quality of water, and serve the other purposes of the Clean Water Act. The Clean Water Act was amended in 1987 to include urban and stormwater runoff, which required many cities to obtain a National Pollutant Discharge Elimination System (NPDES) permit for stormwater conveyance system discharges (see below).

Under Section 404 of the Clean Water Act, the U.S. Army Corps of Engineers regulates discharges of dredged or fill material into waters of the United States, requiring issuance of a Section 404 permit. Under Section 401 of the Clean Water Act, a state water quality certification must be obtained whenever an application for a federal permit for discharge of pollutants into waters of the United States is submitted, such as a Section 404 permit. The Section 401 certification requires that any activity affecting waters of the United States be in compliance with all applicable water quality standards, limitations, and restrictions.

National Pollutant Discharge Elimination System

The 1987 amendments to the Clean Water Act required many cities to obtain an NPDES permit for stormwater conveyance system discharges. Section 402(p) of the Clean Water Act prohibits discharges of pollutants contained in stormwater runoff, except in compliance with an NPDES permit.

Safe Drinking Water Act

Passed in 1974 and amended in 1986 and 1996, the Safe Drinking Water Act grants the U.S. Environmental Protection Agency the authority to set drinking water standards. Drinking water standards apply to public water systems, which provide water for human consumption through at least 15 service connections, or regularly serve at least 25 individuals. There are two categories of drinking water standards, (1) the National Primary Drinking Water Regulations and (2) the National Secondary Drinking Water Regulations. The National Primary Drinking Water Regulations are legally enforceable standards that apply to public water systems. These standards protect drinking water quality by limiting the levels of specific contaminants that can adversely affect public health and are known or anticipated to occur in water. The National Secondary Drinking Water Regulations are non-mandatory guidelines for certain substances that do not present a risk to public health.

Water Resources Development Act

The Water Resources Development Act (passed December 2016) includes short-term provisions that sunset after 5 years. These provisions increase pumping operations in the Sacramento–San Joaquin River Delta (Delta) at the highest levels allowed under biological opinions issued by state and federal wildlife agencies under the Endangered Species Acts, unless the pertinent agencies show that the increased pumping would cause additional adverse effects on listed fish (smelt and salmonid) species beyond the range of effects anticipated in those opinions, using the best scientific and commercial data available. The biological opinions have been subject to years of litigation between farming interests, urban water districts, fishing associations, and environmental groups, with the current versions upheld by the Ninth Circuit Court of Appeals. The new law's long-term provisions include significant funding authorizations that also should result in more water availability throughout California. These funding authorizations include long-term water infrastructure projects such as storage and groundwater projects; water recycling, reuse, and conservation projects; and design and construction of desalination projects. The additional funds will help supplement California's water bond.

State

Safe Drinking Water Act

The State Safe Drinking Water Act (Health & Safety Code, Sections 116270 et seq.) builds on and strengthens the federal Safe Drinking Water Act. The state act authorizes the state's Department of Public Health to protect the public from contaminants in drinking water by establishing maximum contaminant levels that are at least as stringent as those developed by the U.S. Environmental Protection Agency under the federal act.

California Drinking Water Standards

State drinking water standards are based on federal standards and are listed in Title 22 of the California Code of Regulations. The California Department of Health Services administers the state drinking water standards.

California Environmental Quality Act

The California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are primary sources for environmental legislation in California; they require projects with potential adverse environmental effects (or impacts) undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

Water Conservation Act of 2009

The Water Conservation Act (SBX7-7) (Water Code Section 10608) requires that all water suppliers increase water-use efficiency. This legislation sets an overall goal of reducing per-capita urban water use, compared to 2009 use, by 20% by December 31, 2020. The state must make incremental progress towards this goal by reducing per-capita water use by at least 10% on or before December 31, 2015. Each urban retail water supplier must develop urban water use targets and an interim urban water use target by July 1, 2011.

Under the Water Conservation Act, agricultural water suppliers are required to implement efficient water management practices including adoption of agricultural management plans by December 31, 2012, and updated plans by December 31, 2015, and every 5 years thereafter. Effective 2013, agricultural water suppliers not in compliance with these planning requirements are ineligible for state water grants or loans.

California Water Code

The California Water Code contains provisions that control almost every consideration of water and its use. Division 2 of the California Water Code provides that the State Water Resources Control Board (SWRCB) shall consider and act upon all applications for permits to appropriate waters. Division 6 of the Water Code controls conservation, development, and utilization of state water resources. Division 7 addresses water quality protection and management.

Executive Order B-29-15 – Temporary Water Conservation Restrictions

On April 1, 2015, Governor Brown issued temporary, emergency Executive Order B-29-15, seeking to achieve a 25% reduction in water use across the state as compared to the water use in 2013. The reduction amount required of each urban water supplier is determined based on per-capita water use whereby those areas with high per-capita use are to achieve proportionally greater reductions than those with low use. The Executive Order also directed SWRCB to adopt regulations, approved on May 5, 2015, mandating various water conservation restrictions to achieve the statewide 25% overall reduction in potable water usage through February 2016.

Senate Bill 610

State legislation has improved the link between water supply and land use planning. Senate Bill (SB) 610 (Water Code Sections 10910 et seq.) requires the preparation of a water supply assessment for projects within cities and counties that propose any of the following:

- Residential developments of more than 500 dwelling units
- Shopping centers or business establishments employing more than 1,000 persons or having more than 500,000 square feet of floor space
- Commercial office buildings employing more than 1,000 persons or having more than 250,000 square feet of floor space
- Hotels, motels, or both, having more than 500 rooms
- Industrial, manufacturing, or processing plants, or industrial parks planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area
- Mixed-use projects that include one or more of the projects specified in Water Code Section 10912(a)
- Projects that would demand an amount of water equivalent to or greater than the amount of water required by a 500-dwelling-unit project

SB 610 stipulates that when environmental review of certain large development projects is required, the water agency that is to serve the development must complete a water supply assessment to evaluate water supplies that are or will be available during normal, single dry, and multiple dry years during a 20-year projection to meet existing and planned future demands, including the demand associated with the proposed project (DWR 2003). Because the proposed project would construct less than 500 residential units, completion of a water supply assessment is not required and is not a part of this EIR.

Senate Bill 221

Enacted in 2001, SB 221 (Government Code Sections 66455.3 and 66473.7) requires that the legislative body of a city or county, which is empowered to approve, disapprove, or conditionally approve a subdivision map, must condition such approval upon proof of sufficient water supply. The term "sufficient water supply" is defined in SB 221 as the total water supplies available during normal, single dry, and multiple dry water years within a 20-year projection that would meet the projected demand associated with the proposed subdivision. The definition of sufficient water supply also includes the requirement that sufficient water encompass not only the proposed development, but also existing and planned future uses, including, but not limited to, agricultural and industrial uses.

SB 221 requirements do not apply to the general plans of cities or counties, but rather to specific development projects. In addition, SB 221 only applies in the event that the proposed development is considered a "project" under SB 610 (DWR 2003). Because the proposed project would construct less than 500 residential units, it would not be considered a "project" under SB 610, and thus SB 221 does not apply to the proposed project.

Urban Water Management Planning Act

The 1983 Urban Water Management Planning Act (California Water Code Sections 10610–10656) requires specified urban water suppliers within the state to prepare a UWMP and update it every 5 years. State and local agencies and the public frequently use such plans to determine if agencies are planning adequately to reliably meet water demand in various service areas. As such, the plans serve as an important element in documenting water

supply availability and reliability for compliance with state laws, including SB 610 and SB 221 (discussed above), which link water supply sufficiency to large land-use development project approvals. Urban water suppliers also must prepare such plans, pursuant to the Urban Water Management Planning Act, to be eligible for state funding and drought assistance.

UWMPs provide information on water usage, water supply sources, and water reliability planning. They also may provide implementation schedules to meet projected demands over a planning horizon, a description of opportunities for new development of desalinated water, groundwater information (where groundwater is identified as an existing or planned water source), a description of water quality over the planning horizon, and identification of water management tools that maximize local resources and minimize imported water supplies. A UWMP's water supply analysis includes a water supply reliability assessment, water shortage contingency plan, and development of a plan in case of an interruption in water supply.

UWMPs are required by all the water purveyors related to the proposed project, including the City, SDCWA, and MWD.

Delta Plan

Water supplies in California are based largely around the Delta. Water from Northern California surface waters and snowmelt travels to and through the Delta to Central Valley urban and agricultural users and to Southern California through aqueducts, dams, and other infrastructure. The Sacramento–San Joaquin Delta Reform Act (Water Code Section 85000 et seq.) established the Delta Stewardship Council, which has the primary goal of developing and implementing an enforceable, long-term management plan for the Delta (Delta Plan). The Delta Plan's coequal goals of providing a more reliable water supply for California while restoring the Delta ecosystem are the foundation of all state water management policies. As required by statute, the Delta Plan adopts a science-based adaptive management strategy to manage decision making in the face of uncertainty (Water Code Section 85308[f]). The law requires that the Delta Plan be updated every 5 years, and each update is intended to build on an evolving base of knowledge, direct near- and mid-term actions, and preserve and protect longer-term opportunities.

California Water Plan

Water Code Sections 10004 through 10013 describe the components and characteristics of the California Water Plan, which addresses the coordinated control, protection, conservation, development, and utilization of the state's water resources. Updated every 5 years, the most recent water plan is the California Water Plan Update 2018, released in June 2019.

California Water Recycling Standards

The California Legislature has developed state requirements for the production, discharge, distribution, and use of recycled water. These requirements are contained in the California Code of Regulations, Title 22, Division 4, Chapter 3, Reclamation Criteria, Sections 60301 through 60475, and Title 17. The California Department of Public Health administers the state recycling water standards.

California Green Building Standards Code

The California Green Building Standards Code (CALGreen) is set forth in California Code of Regulations, Title 24, Part 11, and establishes voluntary and mandatory standards pertaining to the planning and design of sustainable site development and water conservation, among other issues. Under CALGreen, all water closets (i.e., flush toilets) are limited to 1.28 gallons per flush, and urinals are limited to 0.5 gallons per flush. In addition, maximum flow

rates for faucets are established as follows: 2 gallons per minute (gpm) at 80 pounds per square inch for showerheads; 1.5 gpm at 60 per square inch for residential lavatory faucets; and 1.8 gpm at 60 per square inch for kitchen faucets.

CALGreen also includes Section 4.408.2, a Construction Waste Management Plan. This plan identifies which waste created during construction could be sorted on site, or bulked and then transported to diversion facilities.

Water Conservation Projects Act

The state requirements for water conservation are codified in the Water Conservation Projects Act of 1985 (California Water Code, Sections 11950–11954), which encourages local agencies and private enterprise to implement potential water conservation and reclamation projects. Potential water conservation and reclamation projects may include facilities for municipal and industrial advanced wastewater treatment, regulatory impoundments, improvements to water supply and delivery systems, tailwater recovery systems, and sprinkler or drip irrigation systems.

Senate Bill 244

SB 244, adopted on October 10, 2011, requires cities to review and update the Land Use Elements of their general plans to include data and analysis, regarding unincorporated islands, fringe, or legacy communities within or adjacent to the city's sphere of influence. SB 244 requires cities to prepare a determination regarding the existing and planned adequacy of public facilities and public services, including wastewater, potable water, stormwater, police, and fire. SB 244 prohibits the Local Agency Formation Commission from approving an annexation to a city of any territory greater than 10 acres, where there exists a disadvantaged unincorporated community that is contiguous to the area of proposed annexation, unless an application to annex the disadvantaged unincorporated community to the city has been filed with the Local Agency Formation Commission and evaluates the present and probable sewers, water, stormwater, police, and fire protection needs or deficiencies.

General Waste Discharge Requirements

On May 2, 2006, SWRCB adopted a General Waste Discharge Requirement (Order No. 2006-0003) for all publicly owned sanitary sewer collection systems in California with more than 1 mile of sewer pipe. The order provides a consistent statewide approach to reducing sanitary sewer overflows by requiring public sewer system operators to take all feasible steps to control the volume of waste discharged into the system in order to prevent sanitary sewer waste from entering the storm sewer system, and to develop a Sewer System Management Plan. The General Waste Discharge Requirement also requires that storm sewer overflows be reported to SWRCB using an online reporting system.

California Porter–Cologne Water Quality Control Act

The Porter–Cologne Water Quality Control Act (Porter–Cologne Act) is the principal state law enacted to establish requirements for adequate planning, implementation, management, and enforcement of water quality controls. The Porter–Cologne Act, which became Division 7 of the California Water Code, establishes a regulatory program to protect water quality and beneficial uses of all state waters, outlined the responsibilities and authorities of the nine Regional Water Quality Control Board (RWQCBs), and established SWRCB. For the San Diego Hydrologic Region, water quality is regulated by the San Diego RWQCB, Region 9 of SWRCB. Each RWQCB is directed to create a water

quality control plan, to include three main components: (1) beneficial uses that are to be protected, (2) water quality objectives that protect those uses, and (3) an implementation plan to accomplish those objectives.

California Integrated Waste Management Act – Assembly Bill 939

The Integrated Waste Management Act requires each county to prepare a Countywide Integrated Waste Management Plan, with input from each city in a given county. This plan is reviewed at least once every 5 years to ensure that waste management practices remain consistent with the practices defined in the Public Resources Code. As part of the Countywide Integrated Waste Management Plan, each jurisdiction (cities and county) is required to prepare and maintain Source Reduction and Recycling, Household Hazardous Waste, and Non-Disposal Facility Elements. The Countywide Integrated Waste Management Plan is a summary plan that combines all these elements and is required to be approved by the county Board of Supervisors and the majority of the cities within the county.

California Mandatory Commercial Organics Recycling – Assembly Bill 1826

In October 2014, Governor Brown signed AB 1826, requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses, including multi-family residential dwellings that consists of five or more units. Organic waste is defined as food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste. However, multi-family dwellings are not required to have a food waste diversion program. This law phases in the mandatory recycling of commercial organics over time, while also offering an exemption process for rural counties. In particular, the minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

California Solid Waste Reuse and Recycling Access Act of 1991 – Assembly Bill 1327

AB 1327, which was established in 1991, required CalRecycle to develop a model ordinance for the adoption of recyclable materials in development projects. Local agencies were then required to adopt the model, or an ordinance of their own, governing adequate areas for collection and loading of recyclable materials in development projects.

Disposal Measurement System Act of 2008 – Senate Bill 1016

SB 1016 maintains the 50% diversion rate requirement established by AB 939, and also established revised calculations for those entities that did not meet the 50% diversion rate. SB 1016 also established a per-capita disposal measurement system to make the process of goal measurement, as established by AB 939, simpler, timelier, and more accurate. The new disposal-based indicator—the per-capita disposal rate—uses only two factors, (1) a jurisdiction's population (or in some cases employment) and (2) its disposal rate as reported by disposal facilities.

Solid Waste Diversion – Assembly Bill 341

Effective July 1, 2012, AB 341 requires that commercial enterprises that generate four cubic yards or more of solid waste weekly participate in recycling programs. This requirement also includes multi-family housing complexes of five units or more, regardless of the amount of solid waste generated each week. The purpose of this requirement is to reduce greenhouse gas emissions by diverting commercial solid waste to recycling, and to expand recycling

opportunities in California. As part of implementing AB 341, the California Legislature set an ambitious goal of 75% recycling, composting, or source reduction of solid waste by 2020. The law calls for the state and CalRecycle to take a statewide approach to decreasing California's reliance on landfills. CalRecycle is actively working to develop and implement programs to achieve the 75% target.

Local

Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) contains the following goals, policies, and strategies that address utilities and service systems (City of Poway 1991):

Goal VII: It is the goal of the City of Poway to provide a safe and healthy environment for the residents of Poway.

Policy I – Solid Waste: Promote safe, environmentally sound means of solid waste disposal for the community.

- **Strategy 1:** Proceeds of recycling are a resource and should be used to benefit the community to the extent feasible.
- **Strategy 2:** Investigate means to create a market for recycled goods.
- **Strategy 3:** Implement a curbside recycling program in all residential neighborhoods.
- **Strategy 4:** Promote the use of all plant material waste for compost or mulch.
- **Strategy 5:** Promote the recycling of construction refuse and "white waste" (water heaters, washing machines, etc.).

Goal IX: It is the goal of the City of Poway to provide an efficient and economical public water and wastewater treatment system to serve the current and future residents of Poway.

Policy A – City Water System: A consistent level of quality water service shall be maintained by minimizing the impacts of new land use changes on the existing system.

- **Strategy 1:** Encourage and promote water conservation techniques and awareness in the community.
- **Strategy 2:** Encourage community and individual responsibilities that prepare emergency water resource plan in case of disaster or system failure.
- **Strategy 3:** Require new construction to include appropriate water conserving measures including low flow fixtures water conserving appliances and low volume irrigation systems and to provide water conservation offsets.
- **Strategy 4:** Require the use of low volume irrigation systems where feasible.
- **Strategy 5:** Encourage existing construction to retrofit with appropriate water conserving appliances and low volume irrigation systems.
- **Strategy 6:** Limit the extension of water service facilities such as transmission lines or pumps to accommodate new development projects to one quarter mile across an undeveloped area.
- **Strategy 7:** The dedication construction and maintenance of pumps transmission and storage facilities to service new developments and expand the City's water system capacity should be reviewed with each new development application.
- **Strategy 8:** Require commercial car washes to use recycled water.
- **Strategy 9:** Require all new swimming pools to be covered when not actively in use.

Policy C – Water Reclamation: Serve the community's wastewater treatment needs through water reclamation.

- **Strategy 1:** Develop and implement a water reclamation master plan and implementation service area distribution system master plan to define encourage and develop the use of reclaimed water in Poway.
- **Strategy 2:** All new construction in areas proposed for service by reclaimed water shall be pre-plumbed to readily accept reclaimed water for landscape irrigation.
- **Strategy 3:** Reclaimed water shall be used wherever its use is economically justified technically feasible and consistent with legal requirements preservation of public health safety and welfare and environmentally desirable. Reclaimed water uses may include landscape irrigation filling of artificial lakes industrial processes agricultural production.
- **Strategy 4:** Wastewater treatment system expansions should be designed to maintain the current Level of Service.
- **Strategy 5:** Wastewater collection lines or pumping facilities to accommodate new development projects should not be extended over undeveloped areas.
- **Strategy 6:** Structures connected to the community collection system shall not use salt based self-regenerating water softeners.
- **Strategy 7:** Parcels within the sewer improvement district boundary and beyond 200 feet of an available sewer transmission line should be required to install a dry sewer hookup for future utilization of the community sewer system. Parcels within 200 feet of the community sewer system must connect to the system.
- **Strategy 8:** Septic tanks should be limited to parcels of one acre or greater unless circumstances exist that make the connection to a sewer transmission line impossible on existing parcels greater than one half acre but less than one acre. Parcels in areas with a history of septic tank leach field system failures shall connect to the community sewer system.
- **Strategy 9:** All septic tanks shall be approved by the County Department of Environmental Health as a result of on-site tests certified by a qualified engineer.
- **Strategy 10:** Replacement of failed septic systems or new development with proposed septic system shall consider alternative wastewater collection systems including but not limited to, septic tank effluent pump or gravity systems, grey water systems, or alternative on site treatment and disposal systems.

Goal XI: It is the goal of the City of Poway to encourage regional cooperation and coordination.

Policy B – Regional Facilities: Support the construction of appropriately sited and designed facilities to serve regional and/or subregional public facility needs.

- **Strategy 1:** Cooperate in the construction of a regional water reclamation facility to serve both the City of Poway and the City of San Diego.
- **Strategy 2:** Work with other water agencies to provide adequate regional water storage facilities.
- **Strategy 4:** Cooperate in regional efforts to ensure adequate solid waste disposal facilities.

City of Poway Municipal Code – Chapter 8.94 – Water Conservation Plan

Chapter 8.94 of the City's Municipal Code implements the Water Conservation Plan, which encourages efficient water use, discourages wasteful waters use practices, and establishes water use efficiency measures. Section 8.94.040 includes the following water use efficiency measures (City of Poway 2008):

- Do not wash down paved surfaces, including but not limited to sidewalks, driveways, parking lots, tennis courts, or patios, except when necessary to alleviate safety or sanitation hazards.
- Do not allow water waste from inefficient landscape irrigation, such as runoff, low head drainage, or overspray and do not allow water flows onto non-targeted areas, such as adjacent property, non-irrigated areas, hardscapes, roadways, or structures.
- Irrigate residential and commercial landscapes before 10:00 a.m. and after 6:00 p.m. only.
- Use only a hand-held hose equipped with a positive shut-off nozzle or bucket to water landscaped areas, including trees and shrubs located on residential and commercial properties that are not irrigated by a landscape irrigation system.
- Irrigate nursery and commercial grower's products before 10:00 a.m. and after 6:00 p.m. only. Watering is permitted at any time using a hand-held hose equipped with a positive shut-off nozzle, a bucket, or when a drip/micro-irrigation system/equipment is used. Irrigation of nursery propagation beds is permitted at any time. Water for livestock is permitted at any time.
- Use only recirculated water to operate ornamental fountains.
- Wash vehicles only using a bucket and a hand-held hose with positive shut-off nozzle, mobile high pressure/low volume wash system, or at a commercial site that recirculates (reclaims) water on site. Do not wash vehicles during hot conditions when additional water is required due to evaporation.
- Offer guests in hotels, motels, and other commercial lodging establishments the option of not laundering towels and linens daily.
- Do not use single-pass cooling equipment in new commercial applications, including, but not limited to, air conditioners, air compressors, vacuum pumps, and ice machines.
- Use a water recirculation system for commercial conveyor car washes and all new commercial laundry systems.
- Run only fully loaded dishwashers and washing machines.
- Repair all water leaks within five days of notification by the City of Poway, unless other arrangements are made with the City Manager.
- Use recycled or non-potable water for construction purposes when available to the fullest extent possible when available.

City of Poway 2020 Urban Water Management Plan

As previously described, the California Water Code Section 10610 et seq. requires all urban water suppliers within the State of California to prepare and update a UWMP every 5 years to satisfy requirements of the California Urban Water Management Planning Act of 1983 and its amendments. The City's 2020 UWMP satisfies the requirements of the Urban Water Management Planning Act, which defines an urban water supplier as a supplier—either publicly or privately owned—that provides water for municipal purposes either directly or indirectly to more than 3,000 customers or supplies more than 3,000 acre-feet of water annually. The California Department of Water Resources 2020 Urban Water Management Plan Guidebook for Urban Water Suppliers (DWR 2015) was used in preparing the City's 2020 UWMP (City of Poway 2021).

City of Poway Jurisdictional Runoff Management Program

On May 8, 2013, the San Diego RWQCB adopted an updated NPDES Municipal Permit, Order No. R9-2013-000, as amended by Order No. R9-2015-001. The NPDES Municipal Permit regulates the discharges into stormwater conveyance systems within 18 Municipalities in the County. Each co-permittee, including the City, was required to develop a comprehensive Jurisdictional Urban Runoff Management Program. The City developed the Jurisdictional Runoff Management Program in response to the permit order. The City's approach to following the permit, entailed reducing discharges of pollutants to the stormwater conveyance system within the City, by means of best management practices. Major components of the Jurisdictional Runoff Management Program include the implementation of best management practices requirements, water quality monitoring, educational outreach efforts, municipal maintenance procedures, and water quality monitoring procedures (City of Poway 2015).

4.16.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to utilities and service systems are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to utilities and service systems would occur if the project would:

1. Require or result in the relocation or construction of new or expanded water wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects.
2. Have insufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years.
3. Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments.
4. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals.
5. Not comply with federal, state, and local management and reduction statutes and regulations related to solid waste.

4.16.4 Impacts Analysis

Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Water

As discussed in Section 4.16.1, Existing Conditions, the City imports 99% of its water supply from SDCWA, and captures a small percentage as local rainfall in Lake Poway. The Berglund WTP treats the raw, untreated imported water and rainfall to potable levels for the approximately 45,724 residential, commercial, industrial, and agricultural customers in the City. The Berglund WTP's treatment capacity is 24 mgd and currently operates at an average daily flow rate of 8.2 mgd (City of Poway 2020).

As stated in the Specific Plan, water demand was estimated using water demand factors provided in the City of Poway 2009 Water Master Plan. The estimated average potable water demand for the project is 19.34 gpm or 27,850 gallons per day (gpd) (Appendix N). The peak hour water demand for the project would be 57.44 gpm or 82,714 gpd. The City of Poway Water Master Plan requires a 1,500-gpm fire flow requirement and a minimum residual pressure of 20 psi under maximum day demand plus fire flow in residential areas. As concluded in Appendix N, the proposed water system would be able to deliver 1,500 gpm fire flow and minimum residual pressure 20 psi, as required by the City.

As depicted in Figure 3-6, Conceptual Water Master Plan, the project would include 8-inch pipelines within the northern portion of the project area that would connect to existing pipelines within Oak Knoll Road and Roca Grande. No new pipelines are proposed for the portion of the project site that is located south of Oak Knoll Road. All proposed pipelines are located within the project site. Therefore, no off-site water infrastructure improvements are necessary to service the proposed project. Any impacts relative to the construction of water pipelines are contained within the project site and analyzed herein. Therefore, the proposed project would not result in relocation or construction of new or expanded water facilities, the construction or relocation of which could cause significant environmental effects. Impacts would be **less than significant,** and no mitigation is required.

Wastewater

The proposed project is estimated to generate 13,760 gpd and a peak flow of 44,720 gpd. As discussed above, the both the NCWRP and PLWTP are currently operating under maximum capacity. The addition of wastewater from the project site would represent a small portion of the total throughput for both facilities. Wastewater generated by the proposed project would be collected and conveyed through a series of 8-inch pipes on the project site that would connect to existing 8-inch pipes within Oak Knoll Road. The existing 8-inch sewer line will convey flows west to the 30-inch trunk sewer in Oak Knoll Road. As concluded in Appendix O, the existing sewer lines have adequate capacity to handle the addition of flows from the project. The proposed project would not result in relocation or construction of new or expanded wastewater facilities, the construction or relocation of which could cause significant environmental effects. Impacts would be **less than significant,** and no mitigation is required.

Stormwater

The project site currently drains in a general southern direction and discharges to an existing 36-inch storm drain located in Oak Knoll Road. An existing open channel across the northwestern portion of the project site drains southwesterly to the adjacent apartment site. Drainage is conveyed off site within an 8'x5' Reinforced Concrete Box in a southwesterly direction. The 36-inch Oak Knoll Road storm drain joins the 8'x5' RCB that discharges to the west of the project site into Poway Creek.

The proposed project would develop 63 single-family units, as well as amenities and recreational open spaces. Figure 3-5, Conceptual Drainage Plan, illustrates the proposed grading and drainage concept for the proposed project. To maintain these existing drainage patterns and minimize drainage impacts to existing neighborhoods, a series of public bypass storm drains would be provided to collect this stormwater and convey it through the site to the City's existing storm drain system downstream. The proposed project's grading plan would drain all stormwater within the project site to swales that convey water to private streets on site. Once in the street, stormwater would be collected by catch basins and a private system of pipes on site. The stormwater would then be conveyed to a proposed underground vault system for storage to meet

hydromodification requirements. The vault would discharge to the existing Oak Knoll Road 36-inch storm drain system. The proposed project would not result in expansion or relocation of any existing stormwater facilities; therefore, the proposed project would have a **less-than-significant impact**.

Telecommunications

As discussed in the Specific Plan (Appendix Q), four broadband and telecommunications service providers are available for project residences. Cox Communication, Spectrum, AT&T and Windstream Communications have to available systems to meet the demand of services from the project. Therefore, the proposed project would cause a **less-than-significant impact** in regard to telecommunication facilities.

Electric Power and Natural Gas

Electric Power and Natural Gas consumption from project construction and operation were analyzed in Section 4.5. As determined in Section 4.5, the proposed project would increase petroleum use during operation, however the use would be a small fraction of the statewide use and due to efficiency increases, diminish over time. Therefore, the project construction and operation would not result in the need for expansion or construction of new electric power or natural gas facilities. All impacts would be **less than significant**.

Would the project have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years?

As discussed above, long-term projections from the SDCWA and MWD for single dry years and multiple dry years have accounted for the increase in population and water demand in the County. Historically, even in drought years, the MWD has not reported a shortage. The proposed project's estimated usage of 27,101 gpd would have a **less-than-significant impact** on water supply as projected for reasonably foreseeable future development during normal, dry, and multiple dry years.

Would the project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

As previously discussed, the proposed project would construct new sewer lines, which would be connected to existing sewer infrastructure. The City's wastewater treatment providers include NCWRP and PLWTP. The proposed project would generate approximately 13,760 gpd. The treatment capacities for the wastewater treatment providers (in mgd) are as follows: NCWRP has a treatment capacity of 30 mgd, and PLWTP has a treatment capacity of 240 mgd. The proposed project would not result in a determination by the wastewater treatment providers that they cannot service the proposed project in addition to the provider's existing commitments, therefore the proposed project would have a **less-than-significant impact**.

Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

As previously described in Section 4.16.1, the City, including the project site, is serviced by EDCO for solid waste and recycling pickup and disposal. The proposed project would comply with City, County, state, and CALGreen requirements regarding recycling and waste disposal, which include design standards for trash enclosures. According to CalRecycle, the 2019 per-capita disposal rate estimate, using SB 1016's measurement system, is 6.7 pounds per resident per day. Upon initiation of an account, all new homes would be provided with three bins:

(1) a 32-gallon or 96-gallon trash (gray) bin, (2) a 64-gallon recycling (blue) bin, and (3) a 32-gallon or 96-gallon yard (green) waste bin.

Waste collected from the project site would be taken to one of two material recovery facilities: the Escondido Resource Recovery (ERR) Master Facility (SWIS 37-AA-6719) or the Ramona Material Recovery Facility and Transfer Station (SWIS 37-AA-0925). The ERR facility was opened on June 30, 2017, and provides commingled recycling, mixed waste processing, and an anaerobic digester. The Ramona facility includes a newly opened organics facility, transfer station, and recycling buyback center. Residential collection of solid waste by Escondido Disposal is transferred to the ERR facility, where it is then taken to either the Sycamore or Otay Landfills—both of which are located outside of the City. The Otay Landfill is located in the City of Chula Vista, south of the proposed project, while the Sycamore Landfill is located in the City of Santee, also south of the proposed project. Table 4.16-2 identifies the existing capacity of the Otay and Sycamore Landfills.

Table 4.16-2. Solid Waste Facility Capacity

Landfill	Location	Total Capacity (Cubic Yards)	Remaining Capacity (Cubic Yards)	Remaining Capacity Date
Otay Landfill	Chula Vista	61,154,000	21,194,008	May 31, 2016
Sycamore Landfill	Santee	147,908,000	113,972,637	December 31, 2016

Source: CalRecycle 2019b, 2019c.

As discussed in Section 4.12, Population and Housing, the project would introduce approximately 184 residents to the project site. Using the estimated per resident waste generation rate of 6.7 pounds per resident per say, the project would generate approximately 1,232.8 pounds or 0.56 tons per day of solid waste and the proposed project would increase the amount of solid waste generated in the City by approximately 204 tons per year, which is the equivalent of 272 cubic yards per year of mixed solid waste, compacted in place in a landfill. Solid waste from the area is presently taken to either the Sycamore or Otay Landfills, where there is sufficient capacity. As shown in Table 4.16-2, the Otay Landfill has an approximate remaining capacity of 21,194,008 cubic yards, and the Sycamore Landfill has an approximate remaining capacity of 113,972,637 cubic yards.

Additionally, in compliance with AB 1826, organic waste generated by the proposed project would be diverted from landfill disposal. Organic waste is defined as food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste. Diversion of organic waste from the proposed project would reduce the amount of waste disposed in the Sycamore or Otay Landfills. Finally, construction waste would be recycled in accordance with CALGreen requirements. Compliance with all applicable regulations related to solid waste and recycling for residential uses would ensure impacts associated with disposal of solid waste would be **less than significant**.

Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

The proposed project would comply with federal, state, and local management and reduction statutes and regulations related to solid waste. During construction, solid waste would be appropriately sorted and recycled, when feasible, per CALGreen Building Standards. Operational waste from both residences and commercial uses would meet local standards of solid waste and recycling policies as defined in Section 8.68 of the City's Municipal

Code. In addition, organic waste would be recycled in accordance with AB 1826. Compliance with these regulations and statutes would ensure **less-than-significant impacts** in respect to disposal of solid waste.

4.16.5 Cumulative Impacts

Table 3-2 in Chapter 3 of this EIR identifies the projects generally considered for the cumulative analysis.

Water

The City's potable water use for 2020 was 8,774 acre-feet, which was an approximately 4% increase from the 2015 water use of 8,374 acre-feet; however, the actual 2020 demand was almost 18% less than the projected 2020 demand. The City has employed conservation initiatives to help meet the 2020 and 2025 gallon per capita per day targets. The adaptation of new citywide policies have allowed Poway to become more resilient and flexible with water usage. Lake Poway, the largest reservoir within the City, can hold up to 3,300 acre-feet of water, while over 9,075 acre-feet of water is purchased from either SDCWA (raw) or the City of San Diego (recycled water). Various projects within the City would be required to also follow federal, state, and local policies and conservation initiatives to ensure an adequate water supply for multiple dry years. Foreseen planned residential and commercial projects located within the City may increase the demand for water, however, the culmination of projects **would not result in a cumulatively considerable impact** with regard to water supply.

Wastewater

Wastewater treatment is provided to the whole City mostly by means of transporting wastewater through pipelines to PLWTP. As listed in Table 4.16-1, Wastewater Treatment Capacities, the current wastewater treatment facilities are well under the rated capacity. The projects slated to increase wastewater within the City would not increase the demand to more than the rated capacity, therefore the proposed project **would not result in a cumulatively considerable impact** with regard to wastewater.

Solid Waste

The City currently contracts with EDCO, a private hauler that currently operates six certified recycling buyback centers, two material recovery facilities, six transfer stations, and two mixed construction demolition and inert processing facilitates with a goal of achieving zero waste. The solid waste from the Poway area is presently taken to either the ERR Master Facility or the Ramona Material Recovery Facility and Transfer Station. The ERR facility has a maximum permitted capacity of 8,743 tons per day, and currently has a maximum permitted throughput of 3,223 tons per day. The Ramona facility has a maximum permitted capacity of 700 tons per day and a maximum permitted throughput of 700 tons per day. The ERR facility is at 37% of its permitted daily throughput, and the proposed project is not expected to significantly increase the throughput at either of these centers. Additionally, the solid waste from commercial and residential projects would not produce a significant amount of solid waste and would not significantly increase the solid waste capacity; therefore, the proposed project **would not result in a cumulatively considerable impact** with regard to solid waste.

Stormwater

The stormwater maintenance and design inclusion to the proposed project's design would effectively help reduce the pollution entering storm drains. The City's Jurisdictional Urban Runoff Management Program includes the policies and practices for storm drain management for all foreseeable future projects. Consistent with Jurisdictional Urban Runoff Management Program policies, it is assumed that all other potential cumulative projects would be subject to similar stormwater management, creating less-than-significant impacts. In combination with 2 projects within the City (Table 3-2), the proposed project's total stormwater pollution and infrastructure changes would not significantly impact the City's needs or treatment capacities; therefore, the proposed project **would not result in a cumulatively considerable impact** with regard to stormwater management and infrastructure**.**

Telecommunications

The existing residential areas surrounding the project site are currently being provided broadband and telecommunications services by Cox Communications, Spectrum, AT&T, and Windstream Communications. Both cumulative projects in the area that would use telecommunications services, however, as stated above, there are many different companies that could also potentially provide service to these projects. Users have choices, and the available systems provide appropriate facilities and services to meet the needs of land uses within the City. Therefore, the proposed project **would not result in a cumulatively considerable impact** with regard to telecommunications facilities**.**

4.16.6 Mitigation Measures

As described in section 4.16.4, Impacts Analysis, implementation of the proposed project would not result in any significant impacts to utilities and service systems, including water, wastewater, solid waste, and telecommunications. Therefore, no mitigation would be required.

4.16.7 Level of Significance after Mitigation

As previously stated, all potential impacts to utilities and service systems as a result of the proposed project would be less than significant, and no mitigation would be required.

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4.17 Wildfire

This section describes the existing wildlife conditions of The Harmon Ranch project (proposed project) site and vicinity, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the proposed project. The analysis herein relies on the Fire Response Technical Memorandum that was prepared for the proposed project in December 2022, and is included as Appendix P of this environmental impact report (EIR). Additionally, an Evacuation Plan was prepared for the project site in June 2023, which is included as Appendix R to this EIR.

A Notice of Preparation (NOP) was circulated from February 1, 2023, through March 3, 2023. During the NOP comment period, comment letters related to wildfire focused on the following topics:

- Emergency evacuation
- Fuel modification zones
- Fire hazards from overgrown vegetation

These comments were considered during the preparation of this EIR. The Initial Study, NOP, and Public Scoping comments are provided in Appendix A of this EIR.

4.17.1 Existing Conditions

Emergency Response

The City of Poway (City) does not have a current emergency response plan or evacuation routes; however, they do administer the Community Emergency Response Team (CERT) Program, which educates the residents of Poway and adjacent cities about disaster preparedness. Once a year, the City offers a CERT academy, which provides training in basic disaster response skills such as fire safety, simple search and rescue, and basic first aid, terrorism, emergency preparedness, and disaster psychology. Graduates of the program or an equivalent CERT course are eligible to apply for membership in Poway's CERT and are required to attend two trainings of community events each year.

The San Diego County Wildfire Evacuation Plan incorporates concepts and protocols practiced throughout the City and San Diego County. The City's Emergency Operations Plan follows basic protocols set forth in the County's Operation Area Emergency Operations Plan and the California Master Mutual Aid Agreement, which dictate who is responsible for an evacuation effort and how regional resources will be requested and coordinated. The following overview contains information from the San Diego County Evacuation Annex and is consistent with the City's Emergency Operations Plan (Appendix R).

First responders are responsible for determining initial protective actions before Emergency Operations Centers and emergency management personnel have an opportunity to convene and gain situational awareness. Initial protective actions are shared/communicated to local Emergency Operations Centers and necessary support agencies as soon as possible to ensure an effective, coordinated evacuation (Appendix R).

During an evacuation effort, the San Diego County Sheriff's Department will declare an evacuation and be assisted by other law enforcement and support agencies. Law enforcement agencies, highway/road/street departments, and public and private transportation providers will conduct evacuation operations. Procurement,

regulation, and allocation of resources will be accomplished by those designated. Evacuation operations will be conducted by the following agencies: San Diego County Sheriff's Department, Poway Fire Department, American Red Cross, San Diego Humane Society, San Diego County Department of Animal Services, City and County Department of Planning and Development Services, City and County Department of Public Works, County Department of Environmental Services, and other City, County, and State agencies, as needed (Appendix R).

In the event of an evacuation, evacuees are anticipated to be considered in a "safe zone" once they are a reasonable distance away from open space and in a dense urbanized area. The I-15 and Poway Road interchange and the Town & Country Plaza were considered the gateways or safe zones for evacuees to seek refuge from the wildfire, although there are many other urbanized areas within Poway that would also provide safety from wildfires. Pomerado Road, Poway Road, and Oak Knoll Road would be utilized as evacuation routes as well (Appendix R).

If a wildfire ignited closer to the Harmon Ranch community during weather that facilitates fire spread, where multiple hours are not available for evacuation and placing residents on the roads could expose them to wildfire, an alternative evacuation approach would need to be explored. It is preferred to evacuate long before a wildfire is near, and in fact, history indicates that most human fatalities from wildfires are due to late evacuations when they are overtaken on roads. Therefore, it is prudent to consider a contingency option of temporary on-site refuge. For example, if a wildfire is anticipated to encroach upon the community or Oak Knoll Road in a timeframe that is shorter than would be required to evacuate all residents, then evacuations could be significantly impacted and the ability to temporarily shelter residents in their homes is a prudent contingency (Appendix R).

The project site is located within the service boundary of the Poway Fire Department (PFD). PFD is an all-hazard, all-risk response agency that services the City. PFD has four divisions: (1) Logistics/Support Division, (2) Operations/Emergency Medical Services Division, (3) Training/Safety Division, and (4) the Fire Prevention Division. The San Diego Fire-Rescue Department Emergency Command and Data Center are contracted by PFD for dispatching services (City of Poway n.d.a). The majority of services requested from PFD are medical aids, traffic accidents, and wildland fires (during the summer months). As of February 2023, PFD has three shift Battalion Chiefs, 12 fire Captains/Paramedics, 12 fire engineer/paramedics, and 24 firefighter/paramedics that provides services to a population of approximately 48,421 in an area covering 39.08 square miles (City of Poway n.d.b; U.S. Census Bureau 2021). PFD has 17 personnel that handle emergency and non-emergency calls. The command staff is made up of the Fire Chief, the Deputy Chief, and three shift Battalion Chiefs. The Director of Safety Services has the additional responsibility of administering the San Diego County Sheriff's Department law enforcement contract within the City. PFD Fire Station 1 is located approximately 1 mile east of the project site, at 13050 Community Road.

Wildfire Risks

A wildfire is a nonstructural fire that occurs in vegetative fuels, excluding prescribed fire. Wildfires can occur in undeveloped areas and spread to urban areas where the landscape and structures are not designed and maintained to be ignition resistant. A wildland-urban interface is an area where urban development is located in proximity to open space or "wildland" areas. The potential for wildland fires represents a hazard where development is adjacent to open space or within close proximity to wildland fuels or designated Fire Hazard Severity Zones. Steep hillsides and varied topography within portions of the City also contribute to the risk of wildland fires.

The project site is generally surrounded by development with the exception of the southern boundary of the project site south of Oak Knoll Road, which backs up to natural vegetation surrounding Poway Creek. The majority of the existing project site is developed. CAL FIRE does not identify the site as being within a Very High Fire Hazard Severity Zone (VHFHSZ) (CAL FIRE 2023).

4.17.2 Relevant Plans, Policies, and Ordinances

Federal

National Fire Protection Association Codes, Standards, Practices, and Guides

National Fire Protection Association (NFPA) codes, standards, recommended practices, and guides ("NFPA Documents") are developed through a consensus standards development process approved by the American National Standards Institute. This process brings together professionals representing varied viewpoints and interests to achieve consensus on fire and other safety issues. NFPA standards are recommended guidelines and nationally accepted good practices in fire protection but are not law or "codes" unless adopted as such or referenced as such by the California Fire Code (CFC) or a local fire agency.

Disaster Mitigation Act

The Disaster Mitigation Act of 2000 requires that a state mitigation plan, as a condition of disaster assistance, add incentives for increased coordination and integration of mitigation activities at the state level through the establishment of requirements for two different levels of state plans: "Standard" and "Enhanced." States that develop an approved Enhanced State Plan can increase the amount of funding available through the Hazard Mitigation Grant Program. The Disaster Mitigation Act also established a new requirement for local mitigation plans.

National Incident Management System

The National Incident Management System guides all levels of government, nongovernmental organizations and the private sector to work together to prevent, protect against, mitigate, respond to and recover from incidents. The National Incident Management System provides community members with a shared vocabulary, systems and processes to successfully deliver the capabilities described in the National Preparedness System. The National Preparedness System is a Presidential Policy Directive establishing a common goal to create a secure and resilient nation associated with prevention, protection, mitigation, response and recovery to address the greatest risks to the nation. One core area is fire management and suppression.

The National Incident Management System defines operational systems that guide how personnel work together during incidents.

State

California Fire Code

The CFC is Chapter 9 of Title 24 of the California Code of Regulations. It was created by the California Building Standards Commission and is based on the International Fire Code created by the International Code Council. It is the primary means for authorizing and enforcing procedures and mechanisms to ensure the safe handling and storage of any substance that may pose a threat to public health and safety. The CFC regulates the use, handling, and storage requirements for hazardous materials at fixed facilities. The CFC and the California Building Code use a hazards classification system to determine what protective measures are required to protect fire and life safety.

These measures may include construction standards, separations from property lines, and specialized equipment. To ensure that these safety measures are met, the CFC employs a permit system based on hazard classification. The CFC is updated every 3 years. Chapter 15.24 (Fire Code) of the City's Municipal Code provides the City's adopted amendments to the 2019 CFC.

California Department of Forestry and Fire Protection

CAL FIRE is tasked with reducing wildfire-related impacts and enhancing California's resources. CAL FIRE responds to all types of emergencies including wildland fires and residential/commercial structure fires. In addition, CAL FIRE is responsible for the protection of approximately 31 million acres of private land within the state and, at the local level, is responsible for inspecting defensible space around private residences. CAL FIRE is responsible for enforcing State of California fire safety codes included in the California Code of Regulations and the California Public Resources Code. Title 14, Section 1254 of the California Code of Regulations identifies minimum clearance requirements required around utility poles.

California Strategic Fire Plan

The 2010 California State Fire Plan was the first statewide fire plan developed in concert between the California Board of Forestry and Fire Protection and the California Department of Forestry and Fire Protection (CAL FIRE). This Plan was updated in the 2018 Strategic Fire Plan for California. The central goals of the California State Fire Plan include (1) improve the availability and use of consistent, shared information on hazard and risk assessment; (2) promote the role of local planning processes, including general plans, new development, and existing developments, and recognize individual landowner/homeowner responsibilities; (3) foster a shared vision among communities and the multiple fire protection jurisdictions, including county-based plans and community-based plans such as Community Wildfire Protection Plans; (4) increase awareness and actions to improve fire resistance of man-made assets at risk and fire resilience of wildland environments through natural resource management; (5) integrate implementation of fire and vegetative fuels management practices consistent with the priorities of landowners or managers; (6) determine and seek the needed level of resources for fire prevention, natural resource management, fire suppression, and related services; and (7) implement needed assessments and actions for post-fire protection and recovery.

California Public Resources Code

Fire Hazard Severity Zones – Public Resources Code Sections 4201–4204

Public Resources Code Sections 4201–4204 and Government Code Sections 51175–51189 direct CAL FIRE to map areas of significant fire hazards based on fuels, terrain, weather, and other relevant factors. These zones, referred to as FHSZ, define the application of various mitigation strategies to reduce risk associated with wildland fires. The project site is not designated as a Fire Hazard Severity Zone (CAL FIRE 2023).

California Wildland-Urban Interface Code

On September 20, 2005, the California Building Standards Commission approved the Office of the State Fire Marshal's emergency regulations amending the California Building Code (CBC) (24 CCR 2). Section 701A of the CBC includes regulations addressing materials and construction methods for exterior wildfire exposure and applies to new buildings located in State Responsibility Areas or VHFHSZs in Local Response Areas. The project is not designated as a Fire Hazard Severity Zone within an State Responsibility Area or a VHFHSZ within a Local Response Area.

California Emergency Services Act

The California Emergency Services Act (California Government Code Section 8550, et seq., provides for the creation of an Office of Emergency Services, assign and coordinate functions and duties to be performed during an emergency, facilitate mutual aid, and assign resources (including workforce and facilities) throughout the state for dealing with any emergency that may occur.

Local

Multi-Jurisdictional Hazard Mitigation Plan

The Multi-Jurisdictional Hazard Mitigation Plan includes an overview of the risk assessment process, vulnerability assessments, and identifies hazards present in each jurisdiction in the County of San Diego (County). Hazards profiled in the plan include wildfire, structure fire, flood, coastal storms, erosion, tsunami, earthquakes, liquefaction, rain-induced landslide, dam failure, hazardous materials, incidents, nuclear materials release, and terrorism. The plan is a comprehensive resource document that serves many purposes such as enhancing public awareness, creating a decision tool for management, promoting compliance with State and Federal program requirements, enhancing local policies for hazard mitigation capability, and providing inter-jurisdictional coordination. The City is one of the 22 participating jurisdictions. The plan sets forth a variety of objectives and actions based on a set of broad goals including: (1) promoting disaster-resistant future development; (2) increased public understanding and support for effective hazard mitigation; (3) building support of local capacity and commitment to become less vulnerable to hazards; (4) enhancement of hazard mitigation coordination and communication with federal, state, local and tribal governments; and (5) reducing the possibility of damage and losses to existing assets, particularly people, critical facilities or infrastructure, and County-owned facilities, due to dam failure, earthquake, coastal storm, erosion, tsunami, landslides, floods, structural fire/wildfire, and manmade hazards.

Helicopters and small planes are used in a variety of emergency response actions such as search and rescue operations and retrieving water to extinguish wildfires. During an emergency response, aircraft tend to fly low to the ground thus increasing the potential hazards to aircraft from towers and other objects within airspace. CAL FIRE and the San Diego County Sheriff's Department Aerial Support Detail, Air Support to Regional Enforcement Agencies base carry out emergency response actions.

Section 5.9 of the Multi-Jurisdictional Hazard Mitigation Plan is specific to the City. Listed below are the applicable draft Poway-specific hazard mitigation goals, objectives, and related potential actions.

Goal 1. Promote resistance to the effects of disasters upon development and infrastructure.

Goal 2. Promote public understanding, support and demand for effective hazard mitigation.

Goal 3. Reduce the possibility of damage and losses to people, existing assets and critical facilities/infrastructure due to: wildfires, flooding, geological hazards (landslide, rockslide, earthquake), and manmade hazards.

Objective 3.A: Plan and prepare for damage and loss from wildfire.

- Action 3.A.4: Update road access, surface, and grade for fire safety equipment at identified locations.

Goal 4. Reduce possibility of damages and losses to existing assets, particularly people, critical facilities/infrastructure and city owned facilities due to severe weather, including extreme heat and drought.

The City also identified which jurisdictional goals, objectives, and action items shall be prioritized, the coordinating individual or organization, the potential funding source, and the implementation timeline (County of San Diego 2018).

City of Poway Fire Code

The City has adopted the California Fire Code as Chapter 15, Article 24 of the City's Municipal Code including Appendix Chapter 4 and Appendices B, C, E, F, H, I and O, as published by the International Code Council, except those portions that are deleted, modified, or amended. Provisions of the California Fire Code are described under State Regulations, above.

4.17.3 Thresholds of Significance

The significance criteria used to evaluate the project impacts to wildfire are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to wildfire would occur if the project would:

1. Substantially impair an adopted emergency response plan or emergency evacuation plan (this threshold is covered in Section 4.8, Hazards and Hazardous Materials).
2. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.
3. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.
4. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.

4.17.4 Impacts Analysis

Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

As analyzed in Section 4.8.4, Hazards and Hazardous Materials Impacts Analysis, the City is a participant in the Multi-Jurisdictional Hazard Mitigation Plan for San Diego County, the San Diego County Emergency Operations Plan (County of San Diego 2018, 2022). The County's Multi-Jurisdictional Hazard Mitigation Plan is a countywide plan that identifies risks and ways to minimize damage by natural and human-caused disasters. The plan is a comprehensive resource document that serves many purposes such as enhancing public awareness, creating a decision tool for management, promoting compliance with state and federal program requirements, enhancing local policies for hazard mitigation capability, and providing inter-jurisdictional coordination. The project would not impair implementation of the Multi-Jurisdictional Hazard Mitigation Plan.

Project implementation would result in an increase of people at the project site. The increase in people at the project site would result in an increase in the number of people evacuating in the case of an emergency. The proposed project site is divided by Oak Knoll Road. The northern portion of the project site would have two access points via Oak Knoll Road and Roca Grande Road. The southern portion of the site would be accessible via

Oak Knoll Road. PFD has necessary turnarounds and turnouts for fire apparatus access roads within the project area to provide access to all structures—all of which conform to the required diameter for turnarounds and turnouts. All new roads in the City—including any that would be constructed as part of the proposed project—must follow PFD's protocol to ensure adequate emergency access (PFD 2013).

Based on the simulations in the evacuation plan, evacuation traffic generated by the project would only increase the total evacuation travel time by less than 5 minutes. With proper and effective evacuation manager and traffic control personnel, evacuation flow is anticipated to be able to be efficiently managed (Appendix R).

Overall, the project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts are determined to be **less than significant**.

Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

As previously discussed, the project site has been previously disturbed, with some portions currently developed. The project site is relatively flat, and surrounded by existing residential and commercial development. The project site is located in proximity to a VHFHSZ to the south and west; however, the project site is not located in a VHFHSZ. A small patch of native vegetation and a rock outcrop is located north of the site. The southern portion of the project site is adjacent to a riparian drainage to the south, which has fuels that are characterized as having a high fuel moisture content. The small patches of vegetation represent a small fuel load that is not consistent with extreme fire behavior. The project would introduce a residential development and ignition resistant managed landscape along the development boundary (Dudek 2022). Due to the existing development on and surrounding the project site, the project site does not feature factors that would exacerbate wildfire risk. The preliminary site plans and emergency access for the project will be reviewed by PFD and would be required to be in compliance with the applicable Fire Code. It has been determined that the project as proposed would not exacerbate wildfire risks, exposing occupants to pollutants, and therefore, impacts would be **less than significant**.

Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

The project proposes the development of residential single-family homes, open space, roadways and associated infrastructure improvements. The infrastructure proposed on site would include roadways, a water system, a wastewater system, and a drainage system. The project site is surrounded by development, and therefore the proposed project would connect to existing infrastructure and utilities in the area. The project would not cut off or otherwise modify existing evacuation routes. It would, instead, implement certain roadway improvements that would improve evacuation, as noted in the Evacuation Plan analysis (Appendix R). Minor off-site improvements would be needed to connect the project site to the existing circulation system and making connections to the adjacent existing water, wastewater, drainage, natural gas, electric, and telecommunication systems. The construction and operation of the proposed infrastructure would be in compliance with applicable state and local standards regulating fire risk. Due to the project location surrounded by existing development and roads, fuel breaks are not required. Project development and associated on-site infrastructure would not exacerbate fire risks. As described previously, the project is not located within or adjacent to a FHSZ. Additionally, these improvements would be constructed within an existing right-of-way or within the project site boundary. The project would not require the installation or maintenance of such infrastructure that would exacerbate fire risk, and therefore, impacts are determined to be **less than significant**.

Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

As previously discussed, the project is not located in a FHSZ and risk of wildfire is considered low. As further discussed in Section 4.9, Hydrology and Water Quality, the proposed project is not expected to increase site or downstream flooding as the project would reduce the 100-year flow below existing flow conditions and would not alter the drainage patterns of the project site.

As concluded in the Geotechnical Investigation, no evidence of landslide deposits were observed during the site reconnaissance and the risk associated with landslide hazard is low (Appendix G). The proposed project would also implement applicable CBC requirements and recommendations set forth in the Geotechnical Investigation (including Geotechnical Investigation Section 7.5, Grading, Section 7.6, Seismic Design Criteria, and Appendix D, Recommended Grading Specification), subject to final review and approval by the City Engineer, which would minimize potential risks associated with landslides (Appendix G).

As concluded in the Drainage Study prepared for the project, the project would not increase runoff in the 100-year storm event with the inclusion of the proposed vault. Since there will be no increase in runoff, there will be no negative impacts to downstream drainage facilities (Appendix I).

Considering the minimal alterations to existing hydrological conditions, lack of landslide evidence, implementation of best management practices and geotechnical recommendations, and compliance with the FMP, potential impacts associated with post-fire flooding, runoff, or slope instability would be **less than significant**.

4.17.5 Cumulative Impacts

The cumulative context considered for project wildfire impacts is the County. As discussed in Section 4.17.1, Existing Conditions, CAL FIRE has mapped areas of fire hazards in the state through its Fire and Resources Assessment Program, based on fuels, terrain, weather, and other relevant factors. The cumulative projects listed in Table 3-2, Cumulative Projects, would also be required to comply with County Fire and Building Codes, and applicable jurisdictional codes and regulations.

As described above, while the project site is not located within a VHFHSZ, there are areas located within a VHFHSZ in proximity to the project site to the south and west. The proposed project, combined with other projects in the region, would increase the population and/or activities and ignition sources in the project area, which may increase the chances of a wildfire and increase the number of people and structures exposed to risk of loss, injury, or death.

All projects within the City are required to be built with applicable Building and Fire Code standards, which have been increasingly strengthened as a result of severe wildfires. The Fire and Building codes include fire prevention and protection features that reduce the likelihood of a fire igniting on a specific project and spreading to off-site vegetated areas. These codes also protect projects from wildfires that may occasionally occur in the area through implementation of brush management/fuel management zones, ensuring adequate water supply, preparation of Fire Protection Plans, and other measures. Fire agencies such as the Poway Fire Department use the funding to provide the personnel and apparatus needed to respond to the types of emergencies that will be generated from the cumulative projects. The fire and building codes and funding stream are intended to offset the potential impacts so that fire service can be provided and people and structures are not exposed to significant risk of loss, injury, or death involving wildland fires.

Furthermore, other cumulatively considerable projects would be required to comply with the City's vegetation clearance requirements, as outlined in the Annual Vegetation Management Program, and Chapter 8.76, Defensible Space, Vegetation Management and Waste Accumulations of the City's Municipal Code to reduce the fuel load on vacant and developed properties in the City. The County Fire and Building codes ensure that every project approved for construction includes adequate emergency access. Roads are required to meet widths, all-weather surface, and be capable of supporting the imposed loads of responding emergency apparatus.

Lastly, the County Department of Planning and Development Services reviews applications for building permits for compliance with the California Building Code, local amendments to the California Building Code, and County Zoning Ordinance Section 87.209. Grading plans would also be reviewed for compliance with state and local standards, thus ensuring cumulative projects would minimize potential impacts related to landslide. Therefore, cumulative impacts related to wildfire hazards and emergency response and access would be **less than significant.**

4.17.6 Mitigation Measures

The proposed project would not result in any significant impacts related to wildfire; therefore, no mitigation is required.

4.17.7 Level of Significance after Mitigation

As analyzed in Section 4.17.4, Impacts Analysis, implementation of the proposed project would not substantially impair an adopted emergency response plan or emergency evacuation plan; exacerbate wildfire risks or pollutant concentrations; require the installation of infrastructure that may exacerbate fire risk; or expose people or structures to significant risks. As such, impacts are determined to be less than significant and no additional mitigation is required.

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5 Other CEQA Considerations

5.1 Effects Found Not to Be Significant

Section 15128 of the California Environmental Quality Act (CEQA) guidelines (14 CCR 15000 et seq.) requires that an environmental impact report (EIR) briefly describe potential environmental effects that were determined not to be significant and therefor were not discussed in detail in the EIR. The environmental issues discussed in the following sections are not considered significant, and the reasons for the conclusion of non-significance are discussed below.

5.1.1 Agriculture and Forestry Resources

Would the project:

1. **Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

   The project site is principally located in an urban area within the City of Poway (City). No area within the project boundary is designated as, adjacent to, or in close proximity to any land classified as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance in accordance with the California Important Farmland Finder located within the Mapping and Monitoring Program of the California Resources Agency. The project site is designated as an "urban and built-up area." The proposed project is not located on and classified farmland; therefore, there would be no intention of converting prime farmland, unique farmland, or farmland of statewide importance. There would be **no impact** as a result of the proposed project.

2. **Conflict with existing zoning for agricultural use, or a Williamson Act contract?**

   The proposed project does not conflict with existing zoning for agricultural use. The current zoning for the project site is "Residential Single-Family 7 (RS-7)" and the project proposes to change the land use designation to Planned Community (PC) under the proposed Specific Plan to allow for residential and open space uses. Current zoned uses for agricultural purposes do not exist in the site, or in close proximity to the site. The project site is not in conflict with a Williamson Act Contract, and therefore **no impact** would occur as a result of the proposed project.

3. **Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220[g]), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51004[g]), and**

4. **Result in the loss of forest land or conversion of forest land to non-forest use?**

   As stated above, the project site is located within an urban area, and is not classified or zoned for timberland or forestland. Therefore, **no impact** would occur as a result of the proposed project.

5. **Involve other changes in the existing environment which, due to their location or nature, could result in the conversion of Farmland, to non-agricultural use or the conversion of forest land to non-forest use?**

   As stated above, the project site is located within a designated "urban and built-up area," and is not located on designated farmland. Additionally, the proposed project would not plan to expand in future phases or involve any changes in the existing environment, which could result in the conversion of farmland or forest land. Therefore, **no impact** would occur as a result of the proposed project.

5.1.2 Mineral Resources

Would the project:

1. **Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?**

   The City is located in the Western San Diego County Production-Consumption (P-C) Zone according to the California Mineral Land Classification System. The County of San Diego Guidelines for Determining Significance Mineral Resources show the project site, along with the majority of the City, as being located in Mineral Resource Zone (MRZ) 3. MRZ-3 areas contain known mineral deposits that may qualify as mineral resources; however, further exploration work within these areas would need to occur to reclassify into the MRZ-2 category—areas with mineral resources present (County of San Diego 2008).

   Furthermore, according to the Poway Comprehensive Plan: General Plan (General Plan), the only known valuable mineral resource within the City, as recognized by the California Department of Conservation, Division of Mines and Geology, is construction quality sand and gravel, which is located in the South Poway area (City of Poway 1991). The project site is located in the western portion of the City, and there are no known mineral resources within the project site. Therefore, the proposed project would not result in the loss of availability of a known mineral resource that would be of value to the state, and **no impact** would occur as a result of the proposed project.

2. **Result in the loss of availability of locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?**

   The City's General Plan does not identify any zones of locally important mineral resources within or around the project site. Additionally, the project site is located within an urbanized area of the City. Mineral extraction land uses would be incompatible with the existing and planned land uses within and around the project site. Therefore, **no impact** would occur as a result of the proposed project.

5.2 Growth-Inducing Effects

5.2.1 Population and Housing

Section 15126.2(e) of the CEQA Guidelines mandates discussion of the growth-inducing nature of a proposed project. This CEQA Guidelines states the growth-inducing analysis is intended to address the potential for the proposed project to "foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment." Further, the CEQA Appendix G Checklist (Population and Housing) also mandates that a CEQA document speak to the proposed project's likelihood to induce substantial population growth in an area, either directly (e.g., by proposing new homes or businesses) or indirectly (e.g., through extension of roads or other infrastructure).

A project may be distinguished as either facilitating planned growth or inducing unplanned growth. Facilitating growth is relating to the establishment of direct employment, population, or housing growth that would occur within a project site. Inducing growth is related to lowering or removing barriers to growth or by creating an amenity or facility that attracts new population/economic activity. For purposes of this EIR analysis, a significant growth inducement impact would occur if the proposed project, and associated infrastructure improvements, directly or indirectly removes obstacles to growth such that the induced growth would significantly burden existing community services, the environment, or cause a demand for general plan amendments. This section contains a discussion of the growth-inducing factors related to the proposed project and as defined under CEQA Guidelines, Section 15126.2(d). A project is defined as growth inducing when it directly or indirectly:

- Fosters population growth
- Fosters economic growth
- Includes the construction of additional housing in the surrounding environment
- Removes obstacles to population growth
- Taxes existing community service facilities, requiring construction of new facilities that could cause significant environmental effects
- Encourages or facilitates other activities that could significantly affect the environments, either individually or cumulatively

It must not be assumed that growth in any area is necessarily beneficial, detrimental, or of little significance to the environment.

As discussed in Section 4.12, Population and Housing, the proposed project would directly induce growth through the development of 63 new single-family homes. According to the California Department of Finance, there are approximately 2.92 persons per household in the City. Following those averages, the proposed project would add approximately 184 people to the City's jurisdiction (DOF 2022). Although the project would also require demolition of three existing single-family housing units, the existing project site residents could potentially relocate elsewhere within the City's jurisdiction. Thus, for the purposes of assessing the project's potential impacts related to population growth in the City, this analysis does not "net out" the anticipated loss of the existing project site residents. Furthermore, of the potential new 184 occupants on site, not all future residences are expected to be new residents to the City of Poway.

As discussed above in Section 4.12 of this EIR, the existing project is currently zoned and designated to accommodate residential development (i.e., RS-7), allowing for a maximum density of eight housing units per acre (City Municipal Code Section 17.08.060). Although the project would rezone and redesignate the site to Planned Community under the proposed Specific Plan for the site, the proposed maximum allowable density for the project site (i.e., 8.8 housing units per acre) is similar to the allowable density under existing conditions. Furthermore, as set forth in the proposed Specific Plan, the project would preserve approximately 3 acres of the project site for open space and recreational uses, which would reduce the overall development potential compared to existing conditions, thereby limiting the potential to substantially induce population growth.

The buildout potential of the project site under existing land use and zoning conditions is incorporated into the San Diego Association of Governments (SANDAG) growth forecasts for the City (SANDAG 2021). According to SANDAG's Series 14 Regional Growth Forecast, the amount of anticipated population growth in the City would be 3.3% by 2035 and 4.7% by 2050, which would be approximately 0.2% growth per year under both buildout horizons (SANDAG 2021). This forecasting model has accounted for growth of approximately 1,629 people by the

year 2035, and 2,298 people by the year 2050. The proposed project (i.e., the 184 additional residents facilitated as a result of the 63 proposed housing units) would account for approximately 11% of the total population growth anticipated to occur by 2035, and approximately 8% of growth anticipated to occur by 2050. Anticipated housing growth in the City shows an approximately 4% increase by 2035 (i.e., 608 units) and 5% by 2050 (i.e., 917 units), which would represent, respectively, approximately 0.3% and 0.2% annual housing growth. Accounting for the anticipated demolition of 3 existing project site housing units (resulting in 60 "net" new housing units), the project would represent approximately 10% of the total housing growth anticipated to occur by 2035 and 7% anticipated to occur by 2050. Therefore, the project would account for a fraction of the planned population and housing growth and would not exceed population or housing growth projections for the City.

As discussed above, the growth potential on the project site under existing land use/zoning conditions is incorporated into SANDAG's growth forecasting model (SANDAG 2021). As the project's proposed land use and zone change would allow for similar population and housing growth to occur as under existing land use and zoning conditions and would not exceed the current SANDAG growth projections for the City (as demonstrated above), the project's anticipated population and housing increase would be considered "planned" growth and would not be substantial.

In accordance with defined future housing needs, the City must balance land use activities to comply with State Housing Law and accommodate the mandated Regional Housing Needs Assessment (RHNA) obligation for different affordability levels. Specifically, the current RHNA for the City consists of 468 very low, 268 low, 241 moderate, 342 above moderate income units, for a total of 1,319 RHNA units, which must be accommodated before the end of the current RHNA cycle (i.e., 2029) (City of Poway 2021). To accommodate the projected growth in the City—including the SANDAG forecasts and the state-mandated RHNA obligation—and to help address the City's housing affordability crisis (previously discussed in Section 4.12.1, Population and Housing Existing Conditions), appropriate housing should be built and maintained within the City. The proposed project would be infill development, constructed primarily on previously disturbed and/or developed land surrounded by residential, commercial, industrial, and mixed uses. The project would preserve approximately 3 acres of the site for open space and recreational uses and would provide appropriate housing stock to accommodate future growth in the City. Homes would be sold at market rate, and the project does not propose any designated low-income housing. Although the proposed project may induce some indirect growth as a result of construction, including utilities, roadways, and associated utility lines, these improvements would be appropriately sized to serve the project. Thus, the potential growth is not considered to be substantial, and it would not significantly increase existing population numbers within the City.

Therefore, while the proposed project would directly induce growth in comparison to existing conditions, 63 homes or approximately 184 residents would not be considered substantially growth inducing, and **impacts would be less than significant.**

5.3 Mandatory Findings of Significance

Section 15065(a) of the CEQA Guidelines states that a lead agency shall find that a project may have a significant effect on the environment and thereby require an EIR to be prepared for the project where there is substantial evidence, in light of the whole record, that any of the following conditions may occur:

1. The project has the potential to: substantially degrade the quality of the environment; substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife species population to drop below self-sustaining levels; threaten to eliminate a plant or animal species community; substantially restrict the range of an endangered, rare or threatened species; or eliminate important examples of the major periods of California history or pre-history.
2. The project has the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals.
3. The project has possible environmental effects that are individually limited but cumulatively considerable; meaning that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects and the effects of probable future projects.
4. The environmental effects of a project will cause substantial adverse effects on human beings, either directly or indirectly.

The resource topics found to have mandatory findings of significance are described in detail throughout Chapter 4, Environmental Analysis, of this EIR.

5.4 Significant Unavoidable Impacts

CEQA Guidelines, Section 15126.2(c), requires that an EIR describe any significant impacts that cannot be avoided, including those impacts that can be mitigated but not reduced to a less-than-significant level. Chapter 4 of this EIR describes the potential environmental impacts of the proposed project and recommends mitigation measures to reduce impacts, where feasible. As discussed in this EIR, implementation of the proposed project would result in potentially significant impacts to air quality, biological resources, cultural/tribal cultural resources, geology and soils (paleontology), and noise. However, these significant impacts would all be mitigated to a less-than-significant levels. As analyzed in Section 4.15, Transportation, the proposed project would result in significant and unavoidable impacts related to transportation, specifically the project's VMT per capita.

5.5 Significant Irreversible Environmental Changes

CEQA Guidelines, Section 15126.2(d), requires that an EIR identify any significant irreversible environmental changes associated with the proposed project. Such changes include, for example, the intensification of land use or irreversible damage from environmental accidents associated with the proposed project. Implementation of the proposed project would result in irreversible environmental changes. Approval of the project would involve the development of 63 single-family residential units and associated open space and improvements. Development includes direct impacts to biological resources (see Section 4.3, Biological Resources). Although mitigated to a less-than-significant level, impacts would still be considered irreversible.

Further, construction and operation of the proposed project would require the use of resources that include but are not limited to soils, gravel, concrete, and asphalt; lumber and other related forest products; petrochemical construction materials; steel, copper, and other metals; water; fuels; commercially available cleaning products; and energy. As such, the proposed project would result in the long-term use of fossil fuels and other nonrenewable resources.

6 Alternatives

6.1 Introduction

This chapter summarizes the Harmon Ranch project (proposed project) to allow for an evaluation of its comparative merit with a range of reasonable potentially feasible alternatives. The proposed project would include the development of 63 new single-family homes and associated site improvements on approximately 11.5 acres. The project includes retention of one existing historic home on site. The proposed 63 single-family detached homes plus the 1 existing historic home on site would account for a total of 64 lots within the proposed Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

The project proposes approximately 5.8 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The new land uses proposed by the Specific Plan include two open space uses (Open Space [OS] and Open Space – Recreation [OS-R]). Parcels designated as open space would be permanently preserved as open space through deed restriction. One residential land use is also proposed (Residential Single Family [R-S]). Please refer to Chapter 3, Project Description, for a complete description of the proposed project.

As discussed in this environmental impact report (EIR), implementation of the proposed project would result in potentially significant impacts to air quality, biological resources, cultural and tribal resources, geology and soils, and noise. However, these significant impacts would all be mitigated to a less-than-significant levels. The proposed project would result in a significant and unavoidable impacts to transportation even after the project's mitigation measures have been implemented.

6.2 Scope and Purpose

Section 15126.6(a) of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) requires that an EIR "describe a range of reasonable alternatives to the project, or to the location of the project, that would feasibly attain most of the basic objectives but would avoid or substantially lessen any of the significant environmental effects of the project, and evaluate the comparative merits of the alternatives" (14 CCR Section 15126.6a). Section 15126.6(a) also provides that an EIR need not consider every conceivable alternative to a project. Instead, the EIR must consider a reasonable range of potentially feasible alternatives that will foster informed decision making and public participation, but is not required to consider alternatives that are infeasible. There is no ironclad rule governing the nature or scope of the alternatives to be discussed in an EIR, other than the "rule of reason," which specifies that an EIR should only discuss those alternatives necessary to foster meaningful public participation and informed decision making. CEQA requires consideration of a "No Project" alternative to allow decision makers to compare the impacts of approving the project with the impacts of not approving the project (14 CCR Section 15126.6[e]).

Because an EIR must identify ways to mitigate or avoid the significant effects that a project may have on the environment (California Public Resources Code, Section 21002.1), the purpose of an EIR's alternatives discussion is to focus on alternatives to the project or its location that are capable of avoiding or substantially lessening any

significant effects of the project, even if the alternatives would impede to some degree the attainment of the project's objectives or be more costly. Further, CEQA requires that an EIR identify the environmentally superior alternative from among the alternatives.

This EIR has evaluated the proposed project's potential significant impacts in numerous environmental categories. This information allows the proposed project to be compared against the merits of each alternative.

6.3 Criteria for Selection, Analysis, and Feasibility of Alternatives

The criteria for the selection and analysis of alternatives are provided in CEQA Guidelines, Section 15126.6(c). The alternatives must (1) meet most of the proposed project objectives, (2) be feasible, and (3) avoid or substantially lessen any significant impacts of the proposed project. The proposed project objectives are contained in Chapter 3 of this EIR and listed below.

The underlying purpose of the proposed project is to develop approximately 11 acres of disturbed land , bisected by existing Oak Knoll Road, currently used as a storage and staging area for San Diego Gas & Electric Company.

Project implementation would be guided by the following statement of project objectives (Appendix Q, Harmon Ranch Specific Plan):

1. Implement applicable goals and policies of the City's General Plan.
2. Develop a residential neighborhood within an underutilized site with quality architecture and community design aesthetics that respect and enhance the existing neighborhood's appeal and character.
3. Ensure new uses are compatible with the existing surrounding homes by establishing setbacks, design regulations and guidelines that protect the privacy and quality of life for neighboring residents.
4. Contribute new housing units to the City of Poway and the region by providing new single-family housing.
5. Conserve a portion of the project site to minimize environmental impacts on biological resources and allow for the development of an environmentally sensitive neighborhood.
6. Preserve the historic home on site by implementing a landscape plan to maintain the historic setting and provide a buffer to ensure the permanent protection of the historic resource during construction.
7. Create an internal network of private streets that minimizes traffic impacts on existing neighborhoods and incorporates a trail connection to the adjacent commercial/industrial land use.
8. Minimize the environmental impact of new development through best management and low impact development practices, water and energy conservation measures and green construction.
9. Create a land use plan that can realistically be developed within a foreseeable time frame and under projected economic conditions.

According to CEQA Guidelines Section 15126.6(b), the alternatives analysis should focus on those alternatives that, if implemented, could eliminate or reduce any of the proposed project's significant environmental impacts. The alternatives will be evaluated to determine if, as anticipated when selected as alternatives, they actually eliminate any significant environmental effects or reduce them to a less-than-significant level. The proposed project-related impacts are considered to be those that are identified prior to the incorporation or implementation of any mitigation measures.

The potential impacts of the alternative relative to the proposed project will be evaluated to determine the "comparative merits of the alternatives" (14 CCR 15126.6[a]). This analysis will be based, in part, on a comparison to the proposed project's impacts. It also will include a discussion of the relative feasibility of each alternative.

CEQA Guidelines Section 15126.6(f)(1) identifies the factors to be taken into account to determine the feasibility of alternatives. The factors include site suitability; economic viability; availability of infrastructure; general plan consistency; other plans or regulatory limitations; jurisdictional boundaries; and whether the applicant can reasonably acquire, control, or otherwise have access to the alternative site. No one of these factors establishes a fixed limit on the scope of reasonable alternatives. An alternative does not need to be considered if its environmental effects cannot be reasonably ascertained and if implementation of such an alternative is remote or speculative.

In determining the nature and scope of alternatives to be examined in an EIR, CEQA and the case law have stated that local agencies must be guided by the doctrine of "feasibility." As defined by CEQA, "feasible" means "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and technological factors" (Public Resources Code Section 21061.1; see also 14 CCR Section 15364 [same definition but with the addition of "legal" factors]). The concept of feasibility under CEQA also encompasses "desirability" to the extent that desirability is based on a reasonable balancing of the relevant economic, social, technological, and other factors.[1]

6.4 Rationale for the Selection of Alternatives

The criteria discussed above and information received during the CEQA Notice of Preparation and scoping process were used to select alternatives to the proposed project.

The "No Project" alternative must be evaluated along with any impacts (14 CCR 15126.6[e][1]). If the environmentally superior alternative is the "No Project" alternative, the EIR must identify an environmentally superior alternative among the other alternatives (14 CCR 15126[e][2]). See Table 6-1, Comparison of Impacts of Proposed Project and Alternatives, for a comparison of the alternatives. In addition, the EIR must identify any alternatives that were considered but rejected by the lead agency, and briefly explain the reasons behind the lead agency's rejection determination.

An EIR need not evaluate the environmental effects of alternatives in the same level of detail as the project, but must include enough information to allow meaningful evaluation, analysis, and comparison with the project. The alternatives discussion is intended to focus on alternatives to the project or its location that are capable of avoiding or substantially lessening any significant effects of the project, even if these alternatives would impede to some degree the attainment of the proposed project objectives.

In addition to the "No Project" alternative, an Existing Zoning alternative and a Density Bonus alternative were evaluated in this EIR.

[1] See *City of Del Mar v. City of San Diego* (1982) 133 Cal.App.3rd 401, 417.

6.5 Alternatives Considered but Rejected from Analysis

6.5.1 Alternative Project Location

In accordance with CEQA Guidelines Section 15126.6(f)(2), an alternative location for a project should be considered if development of another site is feasible and if such development would avoid or substantially lessen the significant impacts of the project. Factors that may be considered when identifying an alternative site location include the size of the site, its location, its land use designation under the applicable general plan (or subregional plan), and availability of infrastructure. CEQA Guidelines Section 15126.6(f)(2)(A) states that a key question in addressing an off-site alternative is "whether any of the significant effects of the project would be avoided or substantially lessened by putting the project in another location."

If another parcel within the City limits were to become available, development of the alternative site would likely result in the same or similar impacts as those identified in this EIR for the proposed project. Those impacts include, among others, air quality, biological resources, cultural resources, geology and soils, noise, and traffic. Selection of another alternative location may avoid impacts to biological and cultural resources, which are site-specific; however, such impacts associated with the proposed project were found to be less than significant with mitigation. Additionally, the project site is in an area surrounded by residential development and thus constitutes infill and avoids inducing sprawl. In this way, the project site helps to avoid environmentally sensitive areas and minimizes impacts to these other valued lands while aiding the City to meet their housing needs. Thus, another alternate site location is not likely to substantially reduce significant environmental effects as to those resources when compared to the project site.

The City is not aware of an alternative site within the City equivalent to the project site that could be redeveloped with a similar residential development project. Further, the project applicant does not own another comparable site within the City that is available for development of the project and one of the factors for feasibility of an alternative is "whether the proponent can reasonably acquire, control or otherwise have access to the alternative site." It is unlikely and speculative to assume the feasibility of assembling another site similar to the proposed project that meets most of the project objectives and avoids or substantially lessens the project's potential significant impacts. As this EIR analyzes a reasonable range of alternatives, CEQA does not require consideration of an off-site alternative location where it is speculative if such a property even exists, where the project's potentially significant impacts would be avoided or substantially lessened, and that the applicant could reasonably acquire. For these reasons, the alternative site location is not considered feasible.

6.6 Alternatives Considered in this EIR

The proposed project alternatives evaluated include the following:

1. No Project/No Development Alternative (Section 6.6.1)
2. Existing Zoning Alternative (Section 6.6.2)
3. Density Bonus Alternative (Section 6.6.3)

As discuss above, the proposed project would result in potentially significant impacts that would be reduced to a level of-less-than significant with implementation of mitigation, related to the following: air quality, biological resources, cultural resources/tribal cultural resources, geology and soils (paleontology), and noise. This EIR has

determined that the project would result in significant and unavoidable impacts related to traffic and circulation. The proposed project would result in no impact or less-than-significant impacts to the following: aesthetics, energy, greenhouse gases, hazards and hazardous materials, hydrology and water quality, land use and planning, population and housing, public services, recreation, utilities and service systems, and wildfire. The three alternatives considered analyze the alternative project impacts against the project's identified impact areas.

6.6.1 Analysis of the No Project/No Development Alternative

6.6.1.1 No Project/No Development Alternative Description and Setting

CEQA requires an evaluation of the "No Project" alternative so that decision makers can compare the impacts of approving the proposed project with the impacts of not approving it (California Public Resources Code, Section 21000 et seq.). According to CEQA Guidelines Section 15126.6(e), the No Project Alternative must include the assumption that conditions at the time of the Notice of Preparation (i.e., baseline environmental conditions) would not be changed since the proposed project would not be implemented.

The No Project/No Development Alternative assumes that the proposed project would not be developed, which means there would be no residential, recreational, trail, and other community and conservation uses developed on site. Traffic improvements would not be constructed. None of the proposed project site would be permanently preserved as open space. In its existing condition, the site would remain as an undeveloped dirt lot with the four existing residences. Maintenance of the site would not be required.

In comparing the No Project/No Development Alternative to the proposed project, CEQA provides that the "lead agency should proceed to analyze the impacts of the no project alternative by projecting what would reasonably be expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services" (14 CCR 15126.6[e][3][C]).

Below, the No Project/No Development Alternative is compared to the proposed project as though it would remain in its existing condition. The existing site, a mostly cleared and primarily vacant dirt lot containing four existing single-family residences that was formerly used as a construction staging yard for San Diego Gas & Electric Company, would retain the underlying Poway Comprehensive Plan: General Plan (General Plan) land use designations and zoning of Residential-Single Family Residential Single Family 7 (RS-7) and would remain in its current condition.

6.6.1.2 Comparison of the Effects of the No Project/No Development Alternative to the Proposed Project

Air Quality

Under the No Project Alternative, air pollutant emissions associated with construction, including emissions associated with grading, site preparation, site finishing and building finishing, would not occur. This alternative would avoid significant but mitigable emissions of DPM during construction related to construction (Impact AQ-1), because no construction-related air pollutant emissions would occur. Implementation of this alternative would not introduce any uses that would generate operational air pollutant emissions. Thus, compared to the proposed project, the No Project Alternative would avoid air quality impacts because no impacts to air quality would occur.

Biological Resources

The No Project Alternative would not require any ground-disturbing activities. As such, this alternative would not result in potential direct and/or indirect significant impacts associated with potentially occurring special-status species, sensitive natural communities identified in local or regional plans, and a wetland/riparian habitat. This Alternative would not require implementation of MM-BIO-1 through MM-BIO-5, as proposed for the project. Therefore, as no development would occur under this alternative, compared to the proposed project, this alternative would avoid impacts to biological resources.

Cultural and Tribal Cultural Resources

The No Project Alternative would not require any ground-disturbing activities. As such, this alternative would not result in potential direct and/or indirect significant impacts to cultural resources or TCRs. This Alternative would not require implementation of MM-CUL-1 through MM-CUL-3, as proposed for the project. Therefore, as no development would occur under this alternative, compared to the proposed project, this alternative would avoid impacts to cultural resources and TCRs.

Geology and Soils

The No Project Alternative would not require any ground-disturbing activities. As such, this alternative would not result in potential direct and/or indirect significant impacts to paleontological resources. This Alternative would not require implementation of MM-GEO-1, as proposed for the project. Therefore, as no development would occur under this alternative, compared to the proposed project, this alternative would avoid impacts to geology and soils.

Noise

The project site is currently primarily vacant and does not generate any noise, with the exception of noise generated from the four existing residences on site. Under the No Project Alternative, the project site would remain primarily undeveloped and would not create any new sources of construction or operational noise. Additionally, this alternative would not generate any groundborne vibration. This Alternative would not require implementation of MM-NOI-1, as proposed for the project. Therefore, as no development would occur under this alternative, compared to the proposed project, this alternative would avoid impacts to noise.

Transportation

Under the No Project Alternative, no development would occur. Therefore, this alternative would have no direct impact on VMT, would not result in hazards due to design features, would not alter emergency access; and no impact would occur. However, compared to the proposed project, this alternative would not promote sustainability by focusing housing development in an infill area identified as having low VMT due to proximity to existing employment, entertainment, schools, markets, parks, transit, and shopping centers. Additionally, other improvements, such as circulation and pedestrian improvements, would not occur under this alternative. As outlined in Section 4.15, Transportation, of this EIR, because the project's VMT per resident is above the regionwide average, impacts would be significant; despite the implementation of MM-TRA-1, impacts would remain significant and unavoidable. Under the No Project Alternative, no mitigation would be required as no development would occur. Therefore, compared to the proposed project, the No Project Alternative would result in reduced impacts related to transportation.

6.6.2 Existing Zoning Alternative

6.6.2.1 Existing Zoning Alternative Description and Setting

The Existing Zoning Alternative would have the project site retain its original zoning designation, Residential Single Family 7 (RS-7), rather than changing the site zoning to Planned Community (PC) under the proposed project. RS-7 zones in the City of Poway permit single-family homes on a minimum of 4,500-square-foot lots and a maximum density of 8 dwelling units per acre (City of Poway 1991). Since the residential project area is 7.26 acres, that means that the project site could have a maximum of 58 housing units, five fewer than the proposed project's goal of 63 units. Although fewer units would be developed, the footprint of disturbance to construct the reduced number of residences would be roughly the same as the proposed project, since the lot sizes would be larger.

6.6.2.2 Comparison of the Effects of Existing Zoning Alternative to the Proposed Project

Air Quality

Under the Existing Zoning Alternative, air pollutant emissions associated with construction, including emissions associated with grading, site preparation, site finishing and building finishing, would occur similar to the proposed project. Similar to the proposed project, this alternative would have significant impacts associated with daily construction emissions, potentially exposing sensitive receptors to substantial pollutant concentrations; and would similarly result in significant but mitigable emissions of DPM during construction related to construction. Implementation of mitigation similar to MM-AQ-1 proposed for the project would be required under this alternative. However, since fewer homes would be constructed under this alternative, fewer emissions would occur over a shorter duration. Impacts relative to air quality from the Existing Zoning Alternative may be slightly less than the proposed project, but would still require mitigation similar to the proposed project. Therefore, compared to the proposed project, this alternative would result in similar impacts to air quality.

Biological Resources

The Existing Zoning Alternative would result in similar ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts associated with potentially occurring special-status species, sensitive natural communities identified in local or regional plans, and a wetland/riparian habitat. This alternative would require implementation of mitigation similar to MM-BIO-1 through MM-BIO-5, as proposed for the project. Therefore, compared to the proposed project, this alternative would result in similar impacts to biological resources.

Cultural and Tribal Cultural Resources

The Existing Zoning Alternative would result in similar ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts to cultural resources or TCRs. This alternative would require implementation of mitigation similar to MM-CUL-1 through MM-CUL-3, as proposed for the project. Although fewer units would be developed, the footprint of disturbance to construct the reduced number of residences would remain the same under the Existing Zoning Alternative. Therefore, compared to the proposed project, this alternative would result in similar impacts to cultural resources and TCRs.

Geology and Soils

The Existing Zoning Alternative would require similar ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts to paleontological resources. Under the Existing Zoning Alternative, although fewer units would be developed, the footprint of disturbance to construct the reduced number of residences would remain the same or similar to the proposed project. This alternative would require implementation of mitigation similar to MM-GEO-1, as proposed for the project. Therefore, compared to the proposed project, this alternative would result in similar impacts to geology and soils.

Noise

Under the Existing Zoning Alternative, construction and operational noise conditions would be similar to that analyzed for the proposed project. The proposed project would result in potentially significant noise impacts associated with construction near existing residences. This alternative may slightly reduce the duration of construction-related noise as a result of the reduced unit count; however, implementation of mitigation similar to MM-NOI-1 as proposed for the project is still anticipated. Therefore, compared to the proposed project, this alternative would result in similar impacts to noise.

Transportation

As outlined in Section 4.15, of this EIR, because the project's VMT per resident is above the regionwide average, impacts would be significant; despite the implementation of MM-TRA-1, impacts would remain significant and unavoidable. Under the Existing Zoning Alternative, the VMT impact determination would remain the same as the proposed project. Due to the project site being located in an urban setting and the limited options available to mitigate VMT impacts for residential projects, the Existing Zoning Alternative would still result in a significant and unavoidable transportation impact due to VMT. Although the slight reduction in units on site would potentially reduce traffic associated with the project, mitigation similar to MM-TRA-1 would be required under this alternative to address VMT. Therefore, compared to the proposed project, this alternative would result in similar significant and unavoidable impacts related to transportation.

6.6.3 Density Bonus Alternative

6.6.3.1 Density Bonus Alternative Description and Setting

Under the Density Bonus Alternative, the project site would be developed with up to 92 lots utilizing the State's density Bonus Program. Four (4) of the proposed 92 units under this Alternative would be designated as very low income units. The 92 units would be single-family homes, with internal circulation and approximately 4,500 sf of open space recreation area. This Alternative would use the allowed Density Bonus concession request to reduce the zoned minimum lot sizes for the site from 4,500 sf to 2,400 sf.

A developer may acquire the right to develop at a specific density under State of California Density Bonus Law (Government Code Sections 65915–65918). The State of California's Density Bonus Law was established to promote the construction of affordable housing units and allows projects to exceed the maximum designated density and to use development standard waivers, reductions or incentives and concessions in exchange for providing affordable housing units in compliance with all current density bonus regulations. The City is required to

implement these state requirements. The project proposes 63 total single-family homes, which is fewer than the 92 allowed under the density bonus.

With approval of the Density Bonus, the City may not legally require a reduced number of units the applicant is permitted to construct below the 92 single-family units proposed under this Alternative. This Alternative would provide affordable housing on site to help satisfy the State and City's current and future demand for housing.

6.6.3.2 Comparison of the Effects of Density Bonus Alternative to the Proposed Project

Air Quality

Under the Density Bonus Alternative, air pollutant emissions associated with construction, including emissions associated with grading, site preparation, site finishing and building finishing, would occur similar to the proposed project. Similar to the proposed project, this alternative would have significant impacts associated with daily construction emissions, potentially exposing sensitive receptors to substantial pollutant concentrations; and would similarly result in significant emissions of DPM during construction related to construction. However, since 29 more homes would be constructed under this alternative, potentially greater emissions would occur over a longer duration. Implementation of mitigation similar to MM-AQ-1 proposed for the project would be required under this alternative. Additional mitigation than that proposed for the project could be required under this alternative as a result of the increase in units on site. Therefore, compared to the proposed project, this alternative would result in similar or greater impacts to air quality.

Biological Resources

The Density Bonus Alternative would result in similar or greater ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts associated with potentially occurring special-status species, sensitive natural communities identified in local or regional plans, and a wetland/riparian habitat. This alternative would require implementation of mitigation similar to MM-BIO-1 through MM-BIO-5, as proposed for the project. Compared to the proposed project, this alternative would result in similar impacts to biological resources.

Cultural and Tribal Cultural Resources

The Density Bonus Alternative would result in similar or greater ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts to cultural resources or TCRs. This alternative would require implementation of mitigation similar to MM-CUL-1 through MM-CUL-3, as proposed for the project. Therefore, compared to the proposed project, this alternative would result in similar impacts to cultural resources and TCRs.

Geology and Soils

The Density Bonus Alternative would require similar or greater ground-disturbing activities to that of the proposed project. As such, this alternative would result in potential direct and/or indirect significant impacts to paleontological resources. This alternative would require implementation of mitigation similar to MM-GEO-1, as proposed for the project. Therefore, compared to the proposed project, this alternative would result in similar impacts to geology and soils (paleontological resources).

Noise

Under the Density Bonus Alternative, construction and operational noise conditions would be similar or greater to that analyzed for the proposed project. The proposed project would result in potentially significant noise impacts associated with construction near existing residences. This alternative is expected to increase the duration of construction-related noise as a result of the increased unit count. Implementation of mitigation similar to MM-NOI-1 as proposed for the project would be required. Additional mitigation than that proposed for the project could be required under this alternative to address construction and operational noise, as a result of the increase in units on site. Therefore, compared to the proposed project, this alternative would result in similar or greater impacts to noise.

Transportation

As outlined in Section 4.15, of this EIR, because the project's VMT per resident is above the regionwide average, impacts would be significant; despite the implementation of MM-TRA-1, impacts would remain significant and unavoidable. Under the Density Bonus Alternative, the VMT impact determination would remain the same as the proposed project. Due to the project site being located in an urban setting and the limited options available to mitigate VMT impacts for residential projects, the Density Bonus Alternative would still result in a significant and unavoidable transportation impact due to VMT. Additionally, the increase in units on site under this alternative would potentially increase traffic associated with the project. Mitigation similar to MM-TRA-1 would be required under this alternative to address VMT. Therefore, compared to the proposed project, this alternative would result in similar significant and unavoidable impacts related to transportation.

6.7 Determination of Environmentally Superior Alternative

As shown in Table 6-1, implementation of the No Project/No Development Alternative would result in the greatest reduction in significant impacts when compared to the proposed project. Because the No Project/No Development Alternative would result in the least amount of impacts to the environment, it would be the environmentally superior alternative. However, Section 15126.6(e)(2) of the CEQA Guidelines states that if the environmentally superior alternative is the "No Project" alternative, the EIR also must identify an environmentally superior alternative among the other alternatives.

Among the other alternatives, not including the proposed project, the Existing Zoning Alternative would be considered the environmentally superior alternative because it would potentially provide a reduced level of impact in some environmental analysis areas including air quality, noise, and transportation as a result of the slightly reduced unit count. However, under this alternative, impacts to air quality, biological resources, cultural/tribal cultural resources, geology and soils, and noise would still remain as less than significant with mitigation incorporated, similar to the proposed project. The Existing Zoning Alternative is assumed to cover the same development footprint as the proposed project but would result in a slightly decreased unit count and population count on site. Because the Existing Zoning Alternative would cover the same development footprint as the project, impacts to biological resources, cultural/tribal cultural resources, and geology and soils would remain the same as the proposed project and mitigation measures would still be required to mitigate impacts to these environmental resources. Furthermore, due to the project site being located in an urban setting and the limited options available to mitigate VMT impacts for residential projects, the Existing Zoning Alternative would still result in a significant and unavoidable transportation impact due to VMT.

Similar to the proposed project, under this Alternative, a request for Density Bonus would not be applied, as no affordable housing would be proposed, and the applicant would be required to pay a fee in-lieu of providing inclusionary/low-income housing. While this alternative would develop infill housing in an urbanized area and assist the City to implement its housing goals, it would implement less housing compared to the proposed project and less efficiently promote infill development.

The Existing Zoning Alternative would meet all proposed project objectives; however, it would not substantially reduce or avoid significant environmental impacts under the proposed project. Nevertheless, because this alternative would slightly reduce potentially significant impacts in comparison to the project, this alternative is considered the environmentally superior alternative.

Table 6-1. Comparison of Impacts of Proposed Project and Alternatives

Environmental Issue Areas with Potentially Significant Impacts	Proposed Project	No Project Alternative	Existing Zoning Alternative	Density Bonus Alternative
Air Quality	LTSM	No Impact (Reduced)	LTSM (Same/Reduced)	LTSM (Same/Increased)
Biological Resources	LTSM	No Impact (Reduced)	LTSM (Same)	LTSM (Same)
Cultural and Tribal Cultural Resources	LTSM	No Impact (Reduced)	LTSM (Same)	LTSM (Same)
Geology and Soils	LTSM	No Impact (Reduced)	LTSM (Same)	LTSM (Same)
Noise	LTSM	No Impact (Reduced)	LTSM (Same/Reduced)	LTSM (Same/Increased)
Transportation	SU	No Impact (Reduced)	SU (Same/Reduced)	SU (Same/Increased)

Note: LTS = Less Than Significant Impact; LTSM = Less Than Significant with Mitigation; SU = Significant and Unavoidable; (Same/Reduced) = slightly reduced impact but same significance determination as the project; (Same/Increased) = slightly increased impact but same significance determination as the project.

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Chapter 5: Other CEQA Considerations

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Chapter 6: Alternatives

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8 List of Preparers

8.1 Lead Agency

City of Poway

Hector Salgado	Senior Planner
Bob Manis	Director of Development Services
Tracy Beach	City Engineer
Stan Donn	City Planner

8.2 Preparers of the Environmental Impact Report

Dudek

Brian Grover	Principal
Vanessa Scheidel	Project Manager
Hayley Ward	Environmental Planner
Erin Lucett	Environmental Planner
Samantha Robinson	Environmental Analyst
Adam Poll	Air Quality Specialist
Mark Storm	Acoustical Specialist
Matthew DeCarlo	Archaeologist
Patricia Schuyler	Biologist
Shana Carey	Biologist
Allison Lyons	Architectural Historian
Christopher Kallstrand	Arborist
Michael Huff	Principal, Urban Forestry

In association with:

Ranie Hunter	RHConsulting, Specific Plan
Chuck Cater	Hunsaker & Associates, Engineer
Trevor Myers	Geocon, Geotechnical
Cole Mikesell	Geocon, Phase I and II Environmental Site Assessment
Fernando Fregoso	Dexter Wilson, Water and Sewer Analysis

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Appendix A

Initial Study, NOP, and Public Scoping Comments

NOTICE OF PREPARATION AND
NOTICE OF PUBLIC SCOPING MEETING

Date of Issuance: February 1, 2023

TO: State Agencies
Responsible Agencies
Local and Public Agencies
Trustee Agencies
Interested Parties

FROM: Hector Salgado
City of Poway
13325 Civic Center Drive
Poway, California 92064

Subject: Notice of Preparation/Notice of Public Scoping Meeting, Harmon Ranch Specific Plan Project

The City of Poway (City) will be the lead agency for the preparation of an environmental impact report (EIR) for the proposed Harmon Ranch Specific Plan Project (project). We need to know the views of your agency (and the views of other interested parties) as to the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project.

The City will conduct a Public Scoping meeting on **Thursday, February 16, 2023, from 6:30 p.m. to 8:00 p.m.** in the City Council Chambers located at 13325 Civic Center Drive, Poway, California 92064. Your agency and the public are invited to attend. The purpose of this scoping meeting is to further define the issues, feasible alternatives, and potential mitigation measures that may warrant in-depth analysis in the EIR.

Please send any comments you have no later than **5:00 p.m. PST on Friday March 3, 2023**, to Hector Salgado, associate planner, City of Poway Development Services, 13325 Civic Center Drive, Poway, California 92064. We will need the name and contact information for the representative in your agency. Written comments may also be submitted via e-mail to hsalgado@poway.org. In the event that no response or request for additional time is received by the City by the end of the review period, the City may presume that you have no response.

Project Title:	Harmon Ranch Specific Plan Project
Project Applicant:	Lennar Homes of California LLC
Project Location:	11.5-acre site located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. The project site is located within the southern area of City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

Signature: _____

Hector Salgado, Associate Planner
City of Poway

NOTICE OF PREPARATION AND NOTICE OF PUBLIC SCOPING MEETING

Notice of Preparation Comment Period: February 1, 2023, to March 3, 2023

Harmon Ranch Specific Plan Project

The City of Poway (City) will be the lead agency for the preparation of an environmental impact report (EIR), as defined in Section 15161 of the California Environmental Quality Act (CEQA) Guidelines for the proposed Harmon Ranch Specific Plan Project (project).

The proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels. The project site is located within the southern area of City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road. Figures 1 and 2 depict the project location and a conceptual site plan for the project.

The EIR will consider all potential environmental effects of the proposed project to determine the level of significance of the environmental effects and will analyze the potential effects to the detail necessary to make appropriate determinations about significance. In addition, the EIR may consider those environmental issues that are raised by responsible agencies, trustee agencies, and members of the public or related agencies during the notice of preparation process. An electronic version of this notice can be found on the City's website: https://poway.org/329/Recent-Projects-Environmental-Documents.

We need to know your views or the views of your agency or organization as to the scope and content of the environmental information of interest to you or relevant to your agency's statutory responsibilities in connection with the proposed project. This includes the following for individual commenters and responsible and trustee agencies:

1. Whether your agency will be a responsible or trustee agency
2. List of permits or approvals required by your agency for the proposed project
3. If your agency would like to meet with the City regarding the proposed project
4. Significant environmental issues and reasonable alternatives and/or mitigation measure(s)
5. For individual commenters, please provide your comments and or questions

Due to the time limits mandated by state law, responses from responsible agencies, other agencies, organizations, and individuals must be sent and received by the City of Poway no later than 30 days following the publication of this notice of preparation (5:00 p.m. on Friday, March 3, 2023).

Project-related comments may be sent to:

Hector Salgado, Associate Planner
City of Poway, Development Services
13325 Civic Center Drive
Poway, California 92064
hsalgado@poway.org

If a response from your agency or organization or individual response is not received, we will presume that you have no response. A responsible agency, trustee agency, or other public agency may request a meeting with City representatives in accordance with Section 15082(c) of the CEQA Guidelines.

Public Scoping Meeting

The City will also conduct a public scoping meeting on **Thursday February 16, 2023, from 6:30 p.m. to 8:00 p.m.** in the Poway City Council Chambers located at 13325 Civic Center Drive, Poway, California 92064. Your agency and the public are invited to attend. The purpose of this scoping meeting is to further define the issues, feasible alternatives, and potential mitigation measures that may warrant in-depth analysis in the EIR.

Project Description

The proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels within the southern area of the City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road. The project site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the City of Poway General Plan, which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include mixed use retail land uses and the Kumeyaay Interpretive Center to the north; Oak Knoll Road, Poway Creek, and existing single-family homes to the south and east, which are also designated RS-7; and apartment communities to the west.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was recently used as a construction staging yard for a San Diego Gas and Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (Assessor's Parcel No. 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic building would be retained in place. The other three existing single-family homes are not designated as historic and would be demolished prior to project construction.

Lennar Homes of California LLC (Applicant) is proposing a residential neighborhood on the 11.5-acre project site. The project proposes approximately 5.8 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private

streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density.

The proposed new 63 single-family homes would be on lots 42 feet wide and 85 to 90 feet deep, with standard two-car garages, 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces, and private fenced rear yards. The project also includes 40 guest parking spaces along the private streets, approximately 1.0 acre of open space recreation area, approximately 2.2 acres of natural open space areas, and a segment of the General Plan Community trail (approximately 1,000 feet) connecting the project site to the adjacent retail area located to the north along Poway Road. The "overlook" area and passive park located in the south portion of the project site is planned to provide public access and would be privately maintained.

Access to the project site is planned via existing Oak Knoll Road. Fifty-nine of the new homes are proposed to front newly constructed private streets, while four new homes and an open space/overlook area front the south side of Oak Knoll Road. The existing historic home also fronts on Oak Knoll Road.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of 63 new single-family homes and associated site improvements and retention of the existing historic home. The Harmon Ranch Specific Plan would establish three land use districts within the project site: Residential Single Family (R-SF), Open Space (OS), and Open Space Recreation (OSR). The Specific Plan would also provide development regulations and permitted uses for each land use district. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan. Additionally, the Specific Plan provides a comprehensive plan to ensure the efficient development of the new residential community within the Specific Plan Area. Approval of the Harmon Ranch Specific Plan would allow for deviations from the underlying development standards of the RS-7 zone. The project would conform to the proposed development standards outlined in the Harmon Ranch Specific Plan for the Planned Community (PC).

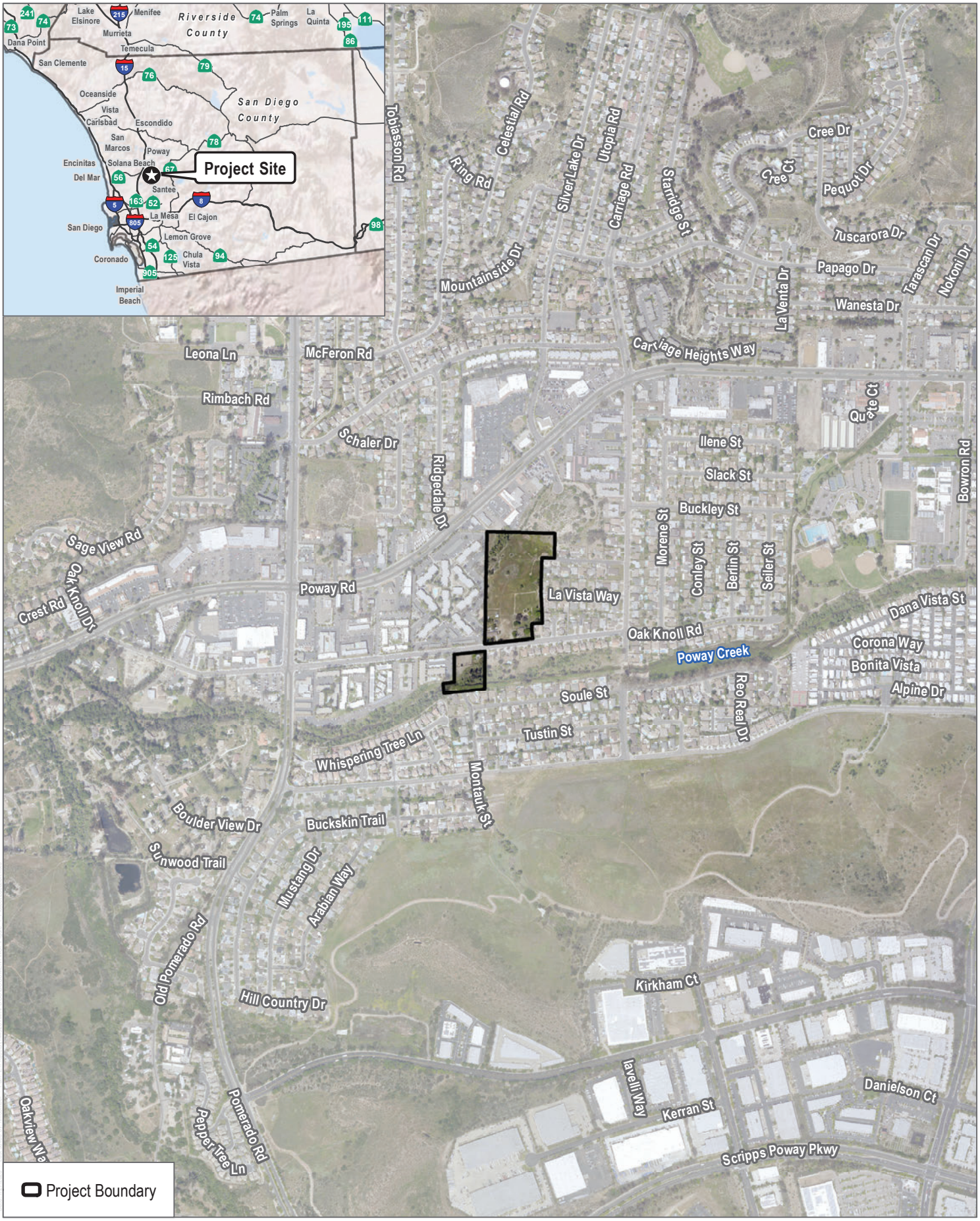
Project Entitlements/Approvals

The proposed project consists of the following entitlements and agency approvals:

- EIR
- General Plan Amendment/Zone Change from Residential Single-Family 7 (RS-7) to Planned Community (PC)
- Harmon Ranch Specific Plan
- Tentative Map
- Development Review Permit
- Final Map

Issues to be Addressed in the EIR

An EIR will be prepared to address potential direct and cumulative impacts associated with aesthetics, agricultural resources, air quality, biological resources, cultural resources, energy, geology and soils, greenhouse gas emissions, hazards and hazardous materials, hydrology/water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation/traffic, tribal cultural resources, utilities and services, and wildfire.



SOURCE: SAN GIS 2017

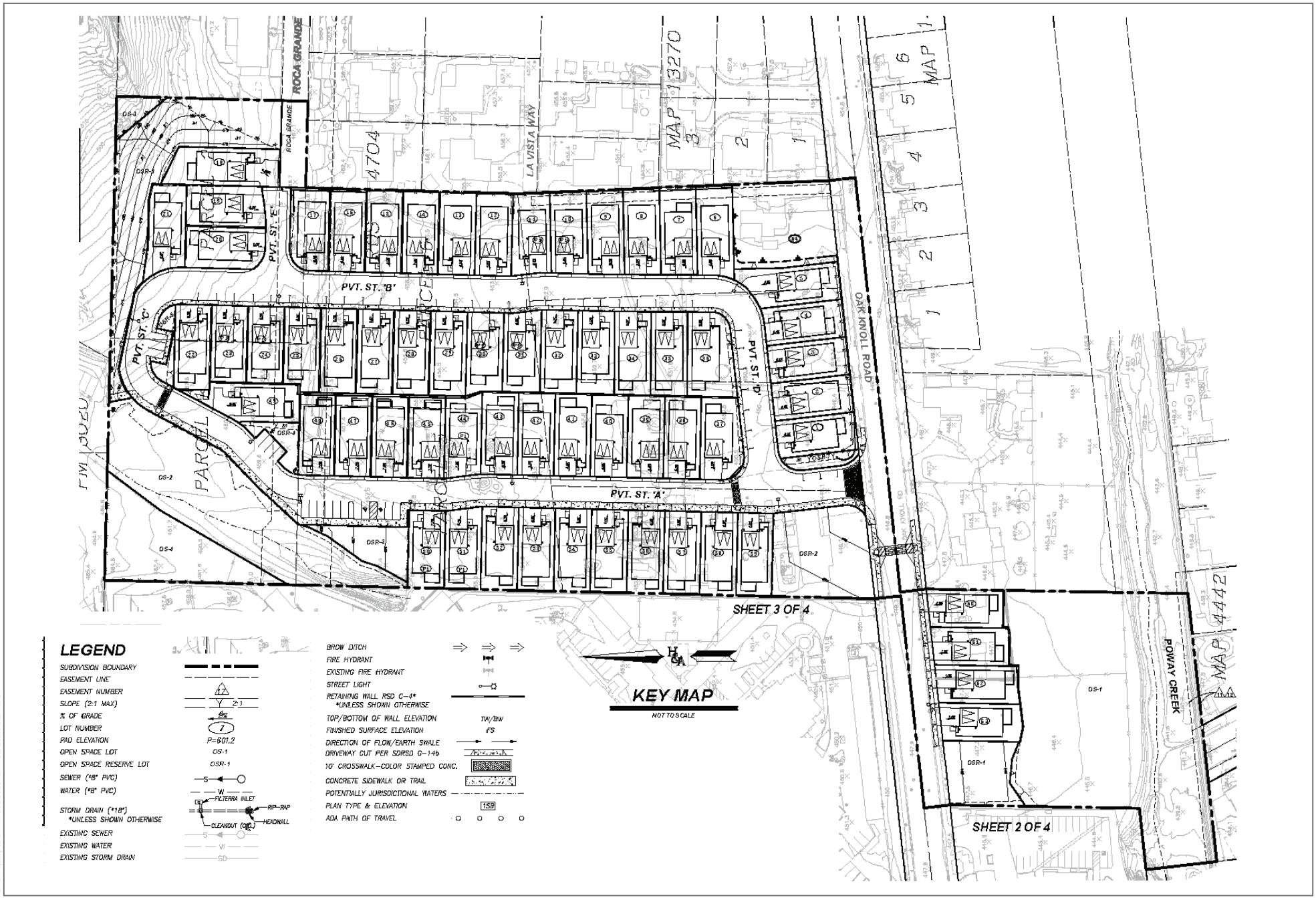
DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Harmon Ranch Specific Plan Project



SOURCE: Hunksaker 2022

FIGURE 2

Site Plan

Harmon Ranch Specific Plan Project

DUDEK

Harmon Ranch Project
Public Comments to Notice of Preparation Matrix

#	Comment Letter Cite	Comments / Concerns	Considered in EIR or Planning Documents	Applicable EIR Section	Date Dated or Received
State Agencies					
1	California Department of Fish and Wildlife (CDFW)	The DEIR should address any biological impacts not addressed in the PSHCP and IA. Requests information about the proposed trail including if there is an exiting trail, trail width, surface material, lighting, fencing plan, access restriction and designated entity for maintenance and monitoring. Recommends clarification if open space areas are compensatory mitigation or residential amenities. The DEIR should include mitigation measures for impacts to sensitive plants, animals, and habitats, consistent with the Poway HCP. Long term management of mitigation land should be proposed by the DEIR should include measures to protect the targeted habitat values from direct and indirect impacts and a qualified entity should be identified to serve as the long-term manager of these lands. Recommendation that clearing of vegetation occur outside of avian breeding season. The DEIR should analyze the impacts of any fuel reduction zones and any irrigation in these areas should drain back into the development. CDFW recommends that the DEIR stipulate that landscaping should not include non- native or invasive plants. A biological baseline assessment and impact analysis for the project should be included. It is recommended that a biological monitor is onsite during clearing activities to move any specifies of native wildlife out of harms way. The DEIR should identify potential impacts to stream and riparian resources onsite and provide adequate mitigation if necessary.	Yes	Biological Resources	February 23, 2023
2	Caltrans	A VMT analysis and TIS should be provided for this project. Recommends that the project identify any impacts that occur within the Caltrans right of way.	Yes	Traffic and Transportation	March 2, 2023
Tribes					
1	Barona Band of Mission Indians (Art Bunce)	The comment requests that the EIR includes an evaluation by a qualified professional of the project site for apparent and non-apparent cultural resources prior to any ground-disturbing activities and a records search is performed.	Yes	Cultural Resources; Tribal Cultural Resources	January 31, 2023
2	Vieja Band of Kumeyaay Indians (Ray Teran)	The comment states that the project site has cultural significance of ties to Viejas. The comment requests that a Kumeyaay Cultural Monitor be onsite or ground disturbing activities.	Yes	Cultural Resources; Tribal Cultural Resources	January 31, 2023
Individuals					
1	Kathy Wright	The comment expresses concern about the zoning change and the street easement on Roca Grande Drive.	Yes	Land Use and Planning	February 8, 2023
2	Teresa Sorg-sellers	The commenter expresses concerns about privacy, the removal of trees onsite, and traffic. The commenter asks for a setback of 20ft or more. Additionally, the comment includes pictures from their property.	Yes	Aesthetics, Biological Resources	February 15, 2023

#	Comment Letter Cite	Comments / Concerns	Considered in EIR or Planning Documents	Applicable EIR Section	Date Dated or Received
3	Ann Tips	The comment expresses concern about the proposed density of the project, the proximity of development to existing homes and compatibility with the surrounding neighborhood. The comment also expresses concern about emergency evacuation from the project site along Oak Knoll Road and parking along Oak Knoll Road.	Yes	Aesthetics, Hazards and Hazardous Materials, Land Use and Planning Transportation	February 15, 2023
4	Marianna Bacilla	The comment asks about the size of the park, how much grass will be available, where the stormwater will be routed, and water source for open space/ turf areas. The comment expresses concern about irrigation water being sources from the creek.	Yes	Recreation, Utilities and Service Systems	February 16, 2023
5	Antonio Murcia	The comment states general concern for the integrity of the open space adjacent to Poway creek including impacts to wildlife, potential tree removal, management of the open space, and water quality of Poway Creek from rain water and storm drains. Additionally, the comment wants to ensure preservation of the landscape onsite.	Yes	Biological Resources, Hydrology and Water Quality, Noise	February 16, 2023
6	Adrienne Wilson	The comment suggests that the project should encourage walking and biking such as providing bike racks and pedestrian access at Roca Grande Dr. The comment asks for the difference between the zone changes are.	Yes	Land Use and Planning, Transportation	February 17, 2023
7	Chris Cruse	The comment asks for how many residences could be built without a general plan amendment of specific plan and if the Harmon Ranch project could be built under RS-7 specifications.	No		February 23, 2023
8	Chris Cruse	The comment asks how many homes could be built under RS-7 specifications.	No		February 23, 2023
9	Emily Carl	The comment includes questions about access via Roca Grande Drive to the project, planned walls or barriers, and the intended uses of the open space and recreation areas onsite.	No		February 26, 2023
10	Kathy Wright	The comment expresses concern about proposed density of the project; privacy; consistency with the general plan; compatibility with the surrounding neighborhood; fire hazards; air pollution from cars, dust, and construction equipment; impacts to cultural resources; impacts to the creek; drainages; stability of large rock pile north of the project site; impacts from blasting; noise; impacts to public services; impacts to utilities; impacts to schools; traffic; pedestrian safety; and pedestrian traffic from Roca Grande Drive. The comment suggests using higher fences, developing a management plan for open space on the project site, and a lighted cross walk.	Yes	Aesthetics, Hazards and Hazardous Materials, Hydrology and Water Quality, Geology and Soils Land Use and Planning Transportation	February 27, 2023
11	Chris Cruse	The comment provides a screenshot of Government Code Section 65450- 65457.	No		February 28, 2023
12	Chris Cruse	The comment provides a screenshot about General Plan consistency analysis. .	No		February 28, 2023
13	Chris Cruse	The comment expresses concern about the proposed density of the project, consistency with the general plan, compatibility with the surrounding neighborhood, traffic, emergency evacuation, privacy, level of service, and impacts to park facilities. The comment includes a series of questions such as	Yes	Aesthetics, Hazards and Hazardous	February 28,2023

#	Comment Letter Cite	Comments / Concerns	Considered in EIR or Planning Documents	Applicable EIR Section	Date Dated or Received
		how many residences could be built under RS-7 specifications, if private open space will be provided for each resident, if the project would be built within a 100-year flood zone, park space provided by the project, buffers from the waterways, and if there would be a trail along the creek. Additionally, the comment asks about the grading of the project, such as changing of the soil level, if there will be cut and fill, and if grading will result in flooding risks to other properties. The comment includes a series of questions about the standards used for the circulation onsite, pedestrian access, and parking.		Materials, Hydrology and Water Quality, Geology and Soils Land Use and Planning Transportation	
14	Ann Tips	The comment expresses concern about the density of development, compatibility with existing RS-7 zoning.	Yes	Land Use and Planning	March 1, 2023
15	Chris Cruse	The comment includes a series of questions about the writing and review of the EIR, the number of residences could be built without a rezone, what the underlying zone for the property would be, how the project is consistent with zoning and general plan requirements, why is a zone change needed, if affordable housing would be provided, and if the project meets PHNA goals.	Yes	Land Use and Planning	March 2, 2023
16	Buzz and Colleen Mann	The comment expresses concern about traffic parking, setbacks, the proposed walls and flooding on La Vista Way.	Yes	Hydrology and Water quality, Transportation, and Land Use and Planning	March 3, 2023

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State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
South Coast Region
3883 Ruffin Road
San Diego, CA 92123
(858) 467-4201
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

March 8, 2023

Hector Salgado
Associate Planner
City of Poway
13325 Civic Center Drive
Poway, CA 92064
HSalgado@poway.org

Subject: Comments on the Notice of Preparation of a Draft Environmental Impact Report for the Harmon Ranch Specific Plan, SCH #2023020009

Dear Mr. Salgado:

The California Department of Fish and Wildlife (CDFW) received a Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) from the City of Poway for the Harmon Ranch Specific Plan (Project) pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW's Role

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State. (Fish & G. Code, §§ 711.7, subdivision (a) & 1802; Pub. Resources Code, § 21070; California Environmental Quality Act (CEQA) Guidelines, § 15386, subdivision (a).). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (Id., § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a **Responsible Agency** under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code, including lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 et seq.).
CDFW also administers the Natural Community Conservation Planning (NCCP) program, a California regional habitat conservation planning program. The City participates in the NCCP program by implementing its approved Poway Subarea Habitat Conservation Plan / Natural Community Conservation Plan (PSHCP) and Implementing Agreement (IA).

[1] CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 1500.

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PROJECT DESCRIPTION SUMMARY

Proponent: City of Poway (City)

Project Location: The 11.5-acre Project site is located along Oak Knoll Road, south of Poway Road, west of Carriage Road, within the southern area of the City of Poway. The Project site consists of land north and south of Oak Knoll Road that is partially developed with four existing single-family residences, one of which is City of Poway Historical Site 113 named the "Harmon House." This historic building was built in 1933 and would be retained. Surrounding land uses include commercial development to the north and west, the Kumeyaay Interpretive Center to the north, Poway Creek to the south, and existing residential homes to the south and east. The Project site is within the City's PSHCP boundary and is designated as Residential Single Family 7 (RS-7) in the City's General Plan which allows a maximum density of 8 dwelling units per acre.

Project Description: The proposed Project will demolish three existing residences and construct a residential neighborhood (5.8 acres) consisting of 63 homes, private streets and parking, a 1.0-acre open space recreation area, and 2.2 acres of natural open space. In addition, the Project will create a segment of the City's General Plan Community trail (approximately 1,000 feet) connecting the northern portion of the Project site to an adjacent retail area north along Poway Road. The "overlook" area and passive park located in the south portion of the Project site is planned to provide public access and would be privately maintained. The Project would require a General Plan Amendment/Zone Change from RS-7 to Planned Community to accommodate a higher density of 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets).

Biological Setting: California Natural Diversity Database (CNDDB) aerial imagery and the PSHCP mapping indicate that the Project site consists of disturbed and developed land outside of the City's Mitigation Area. Poway Creek at the southern boundary of the Project flows east to west and functions as a wildlife corridor for large mammals. Per the NOP, the site has been cleared for several years and was recently used as a construction staging yard for an SDG&E gas line Project. The Kumeyaay Interpretive Center to the north is protected under a conservation easement.

COMMENTS AND RECOMMENDATIONS

CDFW offers the following comments and recommendations to assist the City in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. Our comments are based on information presented in the Project NOP and the February 16, 2023 Project Scoping Meeting presentation available on the City's website at https://poway.org.

Specific Comments

1) Project Consistency with the City's Subarea Plan. On July 19, 1996, the City was issued a Natural Community Conservation Planning Management Authorization, or "NCCP permit," from CDFW pursuant to California Fish and Game Code sections 2081 and 2835 for species covered under the City's Habitat Conservation Plan/Natural Community Conservation Plan (PSHCP). Per Section 2.5 within the Implementing Agreement (IA), the "PSHCP addresses the potential impacts of development, natural habitat loss and species endangerment and

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creates a plan to mitigate for the loss of Covered Species and their habitats due to the direct and indirect impacts of future development of both private and public lands within the PSHCP area." The City is responsible for evaluating the Project's potential impacts to biological resources and compliance with all requirements and conditions established in the PSHCP and IA. The DEIR should also address any biological issues that are not addressed in the PSHCP and IA, such as specific impacts to and mitigation requirements for sensitive species that are not covered by the PSHCP and IA.

2) Trail Siting and Design Guidelines. The Project proposes to create a segment of the City's General Plan Community trail (approximately 1,000 feet) on the northern portion of the Project site that will connect to an adjacent retail area along Poway Road. CDFW recommends that the City and/or applicant provide additional information on the proposed trail including whether there is an existing trail, the trail width, surface material, lighting, fencing plan, access restrictions, and designated entity for maintenance and monitoring.

3) Open Space Areas. Attachment Figure 2 Site Plan indicates that the Project will have four open space lots (OS-1 through OS-4) and three open space recreation lots (OSR-1 through OSR-3) on site. CDFW recommends that the DEIR provide additional information on whether these areas are proposed for compensatory mitigation or residential amenities. In addition, CDFW recommends that the DEIR clarify the types of recreation activities that are proposed on the OSR-1 lot adjacent to Poway Creek and OSR-2 adjacent to the Kumeyaay conserved lands.

4) Compensatory Mitigation. The DEIR should include mitigation measures for adverse Project-related impacts to sensitive plants, animals, and habitats, consistent with the Poway HCP.

5) Long-term Management of Mitigation Lands. For proposed preservation and/or restoration, the DEIR should include measures to protect the targeted habitat values from direct and indirect negative impacts in perpetuity. The objective should be to offset the Project-induced qualitative and quantitative losses of wildlife habitat values. Issues that should be addressed include (but are not limited to) restrictions on access, proposed land dedications, monitoring and management programs, control of illegal dumping, water pollution, and increased human intrusion. A qualified entity should be identified to serve as the long-term manager of the mitigation land along with an appropriate non-wasting endowment to provide for long-term management of mitigation lands.

6) Nesting Birds. To avoid impacts to nesting birds, CDFW recommends that clearing of vegetation occur outside of the peak avian breeding season, which general runs from February 1 through September 1 (as early as January 1 for some raptors). If Project construction is necessary during the bird breeding season, a qualified biologist with experience in conducting breeding bird surveys should conduct weekly bird surveys for nesting birds, within three days prior to work in the area, and ensure no nesting birds in the Project area would be impacted by the Project. If an active nest is identified, a buffer shall be established between the construction activities and the nest so that nesting activities are not interrupted. For the given Project site, CDFW generally recommends a 100-foot buffer from common avian species, 300 feet for listed or highly sensitive, and 500 feet for raptors. The buffer should be delineated by temporary fencing and remain in effect as long as construction is occurring. No Project construction shall occur within the fenced nest zone until the young have fledged, are no longer being fed by the parents, have left the nest, and will no longer be impacted by the project. Reductions in the nest buffer distance may be

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appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors.

7) Fire Buffers. The DEIR should include an analysis of fuel modification requirements and how the Project site or adjacent land may be affected. In addition, the DEIR should provide a clear description of fuel modification zone distances and allowable activities in each zone. CDFW recommends all fuel modification requirements be met within the Project boundaries and not in conserved habitat adjacent to the Project. Habitat being subjected to fuel modification (e.g., thinning, trimming, removal of mulch layer) should be considered an impact to these vegetation communities and mitigated accordingly. The DEIR should also include analysis of impacts to adjacent open space areas from any irrigation or water diversion structures proposed within the fuel modification zones. CDFW recommends any irrigation proposed in fuel modification zones drain back into the development and not onto natural habitat land as perennial sources of water facilitates introduction of the invasive Argentine ant (*Linepithema humile*). Previous studies have indicated Argentine ant abundance at riparian-scrub edges and urban-scrub edges depends on soil moisture, therefore runoff containment would discourage colonization and recruitment by invasives and encourage native ant species (Holway and Suarez 2006).

8) Landscaping. Habitat loss and invasive plants are a leading cause of native biodiversity decline. CDFW recommends that the DEIR stipulate that no non-native, invasive plant material shall be used. Furthermore, we recommend using locally appropriate plant species for landscaping on the Project site. A list of invasive/exotic plants that should be avoided as well as suggestions for suitable landscape plants can be found at https://www.cal-ipc.org/solutions/prevention/landscaping/.

General Comments

1) Biological Baseline Assessment. CDFW recommends providing a complete assessment and impact analysis of the flora and fauna within and adjacent to the Project area, with emphasis upon identifying endangered, threatened, sensitive, regionally and locally unique species including any Covered Species under the City's approved Subarea Plan (PSHCP), and sensitive habitats. Impact analysis will aid in determining any direct, indirect, and cumulative biological impacts, as well as specific mitigation or avoidance measures necessary to offset those impacts. CDFW recommends avoiding any sensitive natural communities found on or adjacent to the Project. The DEIR should include the following information:

    a. Information on the regional setting that is critical to an assessment of environmental impacts, with special emphasis on resources that are rare or unique to the region [CEQA Guidelines, § 15125(c)]. Project implementation may result in impacts to rare or endangered plants or plant communities that have been recorded adjacent to the Project vicinity. The DEIR should include measures to fully avoid and otherwise protect sensitive natural communities;

    b. A complete floristic assessment within and adjacent to the Project area, with particular emphasis upon identifying endangered, threatened, sensitive, and locally unique species and sensitive habitats. This should include a thorough, recent, floristic-based assessment of special status plants and natural communities;

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c. A complete, recent, assessment of the biological resources associated with each habitat type on site and within adjacent areas that could also be affected by the Project. CNDDB should be reviewed to obtain current information on any previously reported sensitive species and habitat. CDFW recommends that CNDDB Field Survey Forms be completed and submitted to CNDDB to document survey results. Online forms can be obtained and submitted at http://www.dfg.ca.gov/biogeodata/cnddb/submitting_data_to_cnddb.asp; and,

d. A complete, recent, assessment of rare, threatened, and endangered, and other sensitive species on site and within the area of potential effect, including California Species of Special Concern and California Fully Protected Species (Fish & G. Code, §§ 3511, 4700, 5050 and 5515). Species to be addressed should include all those which meet the CEQA definition of endangered, rare, or threatened species (CEQA Guidelines, § 15380). Seasonal variations in use of the Project area should also be addressed. Focused species-specific surveys, conducted at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable, are required. Acceptable species-specific survey procedures should be developed in consultation with CDFW and the United States Fish and Wildlife Service (USFWS).

2) Translocation/Salvage of Plants and Animal Species. Translocation and transplantation is the process of moving an individual from the Project site and permanently moving it to a new location. CDFW generally does not support translocation or transplantation as the primary mitigation strategy for unavoidable impacts to rare, threatened, or endangered plant or animal species. CDFW has found that permanent preservation and management of habitat capable of supporting these species is often a more effective long-term strategy for conserving sensitive plants and animals and their habitats.

3) Moving out of Harm's Way. The proposed Project is anticipated to result in clearing of habitats that support species of native wildlife. To avoid direct mortality, we recommend that a qualified biological monitor approved by CDFW be on site prior to and during ground and habitat disturbing activities to move out of harm's way special status species or other wildlife of low mobility that would be injured or killed by grubbing or Project-related construction activities. It should be noted that the temporary relocation of on-site wildlife does not constitute effective mitigation for the purposes of offsetting Project impacts associated with habitat loss. If the Project requires species to be removed, disturbed, or otherwise handled, we recommend that the DEIR clearly identify that the designated entity should obtain all appropriate State and Federal permits.

4) Lake and Streambed. CDFW has regulatory authority over activities in streams and/or lakes that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of any river, stream, or lake or use material from a river, stream, or lake. For any such activities, the Project applicant (or "entity") must provide written notification to CDFW pursuant to section 1600 et seq. of the Fish and Game Code. Based on this notification and other information, CDFW determines whether a Lake and Streambed Alteration Agreement (LSAA) with the applicant is required prior to conducting the proposed activities. CDFW's issuance of a LSAA for a Project that is subject to CEQA will require CEQA compliance actions by CDFW as a Responsible Agency. To minimize additional requirements by CDFW pursuant to section 1600 et seq. and/or under CEQA, the DEIR should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring, and reporting commitments for

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issuance of the LSAA. CDFW recommends the Applicant submit a Lake and Streambed Alteration Notification to CDFW. Notifications can be submitted through CDFW's Environmental Permit Information Management System (EPIMS) at https://wildlife.ca.gov/Conservation/Environmental-Review/EPIMS.

Environmental Data

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a data base which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special status species and natural communities detected during Project surveys to the CNDDB. The CNNDB field survey form can be found at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The completed form can be mailed electronically to CNDDB at the following email address: CNDDB@wildlife.ca.gov. The types of information reported to CNDDB can be found at the following link: https://wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the fee is required for the underlying project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.).

CONCLUSION

CDFW appreciates the opportunity to comment on the NOP to assist the City in identifying and mitigating Project impacts on biological resources and ensuring consistency with the requirements of the PSHCP.

Questions regarding this letter or further coordination should be directed to Alison Kalinowski, Environmental Scientist, at Alison.Kalinowski@wildlife.ca.gov.

Sincerely,

DocuSigned by:
David Mayer
D700B4520375406...

David Mayer
Environmental Program Manager
South Coast Region

ec: CDFW
Karen Drewe, San Diego – Karen.Drewe@wildlife.ca.gov
Cindy Hailey, San Diego – Cindy.Hailey@wildlife.ca.gov
OPR
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California Department of Fish and Wildlife. 2023. California Natural Diversity Database (CNDDB). Available from: https://wildlife.ca.gov/Data/CNDDB.

California Department of Fish and Wildlife. 2023. Environmental Permit Information Management System. Available from: https://wildlife.ca.gov/Conservation/Environmental-Review/EPIMS.

California Invasive Plant Council (Cal-IPC). 2023. Responsible Landscaping. Available from: https://www.cal-ipc.org/solutions/prevention/landscaping/.

California Public Resources Code Sections 21000-21177 and State CEQA Guidelines 14.

City of Poway Habitat Conservation Plan / Natural Community Conservation Plan. 1996.

Holway, David A. and Andrew V. Suarez. 2006. “Homogenization of ant communities in mediterranean California: The effects of urbanization and invasion”.

California Department of Transportation

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March 2, 2023

11-SD-15
PM 18.187
Harmon Ranch Project
NOP/SCH#2023020009

Hector Salgado
Associate Planner
City of Poway
13325 Civic Center Drive
Poway, CA 92064

Dear Mr. Selgado:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Notice of Preparation (NOP) for the Harmon Ranch Project located near Interstate 15 (I-15). The mission of Caltrans is to provide a safe and reliable transportation network that serves all people and respects the environment. The Local Development Review (LDR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Safety is one of Caltrans' strategic goals. Caltrans strives to make the year 2050 the first year without a single death or serious injury on California's roads. We are striving for more equitable outcomes for the transportation network's diverse users. To achieve these ambitious goals, we will pursue meaningful collaboration with our partners. We encourage the implementation of new technologies, innovations, and best practices that will enhance the safety on the transportation network. These pursuits are both ambitious and urgent, and their accomplishment involves a focused departure from the status quo as we continue to institutionalize safety in all our work.

Caltrans is committed to prioritizing projects that are equitable and provide meaningful benefits to historically underserved communities, to ultimately improve transportation accessibility and quality of life for people in the communities we serve.

We look forward to working with the City of Poway in areas where the City and Caltrans have joint jurisdiction to improve the transportation network and connections between various modes of travel, with the goal of improving the experience of those who use the transportation system.

Caltrans has the following comments:

Traffic Impact Study

- A Vehicle Miles of Travel (VMT) based Traffic Impact Study (TIS) should be provided for this project. Please use the Governor's Office of Planning and Research Guidance to identify VMT related impacts.[1]

- The TIS may also need to identify the proposed project's near-term and long-term safety or operational issues, on or adjacent to any existing or proposed State facilities.

Complete Streets and Mobility Network

Caltrans views all transportation improvements as opportunities to improve safety, access and mobility for all travelers in California and recognizes bicycle, pedestrian and transit modes as integral elements of the transportation network. Caltrans supports improved transit accommodation through the provision of Park and Ride facilities, improved bicycle and pedestrian access and safety improvements, signal prioritization for transit, bus on shoulders, ramp improvements, or other enhancements that promotes a complete and integrated transportation network. Early coordination with Caltrans, in locations that may affect both Caltrans and the City of Poway is encouraged.

To reduce greenhouse gas emissions and achieve California's Climate Change target, Caltrans is implementing Complete Streets and Climate Change policies into State Highway Operations and Protection Program (SHOPP) projects to meet multi-modal mobility needs. Caltrans looks forward to working with the City to evaluate potential Complete Streets projects.

Maintaining bicycle, pedestrian, and public transit access during construction is important. Mitigation to maintain bicycle, pedestrian, and public transit access during construction is in accordance with Caltrans' goals and policies.

Land Use and Smart Growth

Caltrans recognizes there is a strong link between transportation and land use. Development can have a significant impact on traffic and congestion on State transportation facilities. In particular, the pattern of land use can affect both local vehicle miles traveled and the number of trips. Caltrans supports collaboration with

[1] California Governor's Office of Planning and Research (OPR) 2018. "Technical Advisory on Evaluating Transportation Impacts in CEQA." https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

local agencies to work towards a safe, functional, interconnected, multi-modal transportation network integrated through applicable "smart growth" type land use planning and policies.

The City should continue to coordinate with Caltrans to implement necessary improvements at intersections and interchanges where the agencies have joint jurisdiction.

Environmental

Caltrans welcomes the opportunity to be a Responsible Agency under the California Environmental Quality Act (CEQA), as we have some discretionary authority of a portion of the project that is in Caltrans' R/W through the form of an encroachment permit process. We look forward to the coordination of our efforts to ensure that Caltrans can adopt the alternative and/or mitigation measure for our R/W.

An encroachment permit will be required for any work within the Caltrans' R/W prior to construction. As part of the encroachment permit process, the applicant must provide approved final environmental documents for this project, corresponding technical studies, and necessary regulatory and resource agency permits. Specifically, CEQA determination or exemption. The supporting documents must address all environmental impacts within the Caltrans' R/W and address any impacts from avoidance and/or mitigation measures.

We recommend that this project specifically identifies and assesses potential impacts caused by the project or impacts from mitigation efforts that occur within Caltrans' R/W that includes impacts to the natural environment, infrastructure including but not limited to highways, roadways, structures, intelligent transportation systems elements, on-ramps and off-ramps, and appurtenant features including but not limited to lighting, signage, drainage, guardrail, slopes and landscaping. Caltrans is interested in any additional mitigation measures identified for the project's draft Environmental Document.

Broadband

Caltrans recognizes that teleworking and remote learning lessen the impacts of traffic on our roadways and surrounding communities. This reduces the amount of VMT and decreases the amount of greenhouse gas (GHG) emissions and other pollutants. The availability of affordable and reliable, high-speed broadband is a key component in supporting travel demand management and reaching the state's transportation and climate action goals.

Right-of-Way

- Per Business and Profession Code 8771, perpetuation of survey monuments by a licensed land surveyor is required, if they are being destroyed by any construction.
- Any work performed within Caltrans' R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans' R/W prior to construction.

Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158 or emailing D11.Permits@dot.ca.gov or by visiting the website at https://dot.ca.gov/programs/traffic-operations/ep. Early coordination with Caltrans is strongly advised for all encroachment permits.

If you have any questions or concerns, please contact Kimberly Dodson, LDR Coordinator, at (619) 985-1587 or by e-mail sent to Kimberly.Dodson@dot.ca.gov.

Sincerely,

Maurice A. Eaton

MAURICE EATON
Branch Chief
Local Development Review

[redacted]

From: [redacted]
Sent: Tuesday, January 31, 2023 10:52 AM
To: Hector Salgado
Subject: Re: Notice of Preparation for The Harmon Ranch Project in Poway

EXTERNAL EMAIL

Dear Mr. Salgado,

This is Art Bunce, Tribal Attorney for the Barona Band of Mission Indians, a small federally-recognized Indian tribe with a federal Indian Reservation north of Lakeside. I am writing to request that you require that a qualified archaeologist at least do a walk-over of the project sire to determine if the surface shows any cultural resources of other indications of sub-surface resources, such as midden, as well as a standard records search. I look forward to seeing the cultural resources report, particularly as part of the AB 52 or SB 18 process.

Sincerely,

Art Bunce

-----Original Message-----
From: Hector Salgado <HSalgado@poway.org>
Cc: David De Vries <DDeVries@poway.org>
Sent: Tue, Jan 31, 2023 8:37 am
Subject: Notice of Preparation for The Harmon Ranch Project in Poway

Hello,

The City of Poway is beginning the environmental review and scoping process for the Harmon Ranch project. Attached is the notice of preparation for the proposed project. You are receiving this notice containing information about the project in accordance with the California Environmental Quality Act (CEQA). Project details and information on the public review process and upcoming public scoping meeting are provided in the notice of preparation.

Thank you,

Hector Salgado
Associate Planner
Development Services
City of Poway | 13325 Civic Center Drive | Poway, CA 92064
Phone (858) 668-4656|Fax (858) 668-1211
hsalgado@poway.org

[redacted]

From: Ray Teran <[redacted]>
Sent: Tuesday, January 31, 2023 10:09 AM
To: Hector Salgado
Cc: David De Vries; Ernest Pingleton
Subject: RE: Notice of Preparation for The Harmon Ranch Project in Poway

EXTERNAL EMAIL

The Viejas Band of Kumeyaay Indians ("Viejas") has reviewed the proposed project and at this time we have determined that the project site has cultural significance or ties to Viejas. Cultural resources have been located within or adjacent to the APE-DE of the proposed project.

Viejas Band request that a Kumeyaay Cultural Monitor be on site for ground disturbing activities and to inform us of any new developments such as inadvertent discovery of cultural artifacts, cremation sites, or human remains.

If you wish to utilize Viejas cultural monitors (Viejas rate is $54.15/hr. plus GSA mileage), please call Ernest Pingleton at 619-655-0410 or email, epingleton@viejas-nsn.gov, for contracting and scheduling. Thank you.

From: Hector Salgado <HSalgado@poway.org>
Sent: Tuesday, January 31, 2023 8:38 AM
Cc: David De Vries <DDeVries@poway.org>
Subject: Notice of Preparation for The Harmon Ranch Project in Poway

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Phone (858) 668-4656|Fax (858) 668-1211
hsalgado@poway.org

[redacted]

From: [redacted]
Sent: Wednesday, February 8, 2023 6:36 AM
To: Hector Salgado
Cc: David De Vries
Subject: RE: Notice of Preparation for The Harmon Ranch Project in Poway

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL

Good morning , Hector. As a resident on Roca Grande Drive, how can I review the proposed Harmon Ranch Specific Plan? Part of Roca Grande is included in the project boundary, and I would like to understand how the re-zoning that area from RS-7 to PC might affect my street easement at the west end of the street and potentially along the entire street.

While I am pleased access to project no longer includes access via Roca Grande, the change in zoning request has raised some neighborhood concerns.

Thank you for providing additional information.

Kathy Wright
Resident, Roca Grande Dr.

From: Hector Salgado <HSalgado@poway.org>
Sent: Tuesday, January 31, 2023 8:38 AM
Cc: David De Vries <DDeVries@poway.org>
Subject: Notice of Preparation for The Harmon Ranch Project in Poway

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Thank you,

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Associate Planner
Development Services
City of Poway | 13325 Civic Center Drive | Poway, CA 92064
Phone (858) 668-4656|Fax (858) 668-1211
hsalgado@poway.org

[redacted]

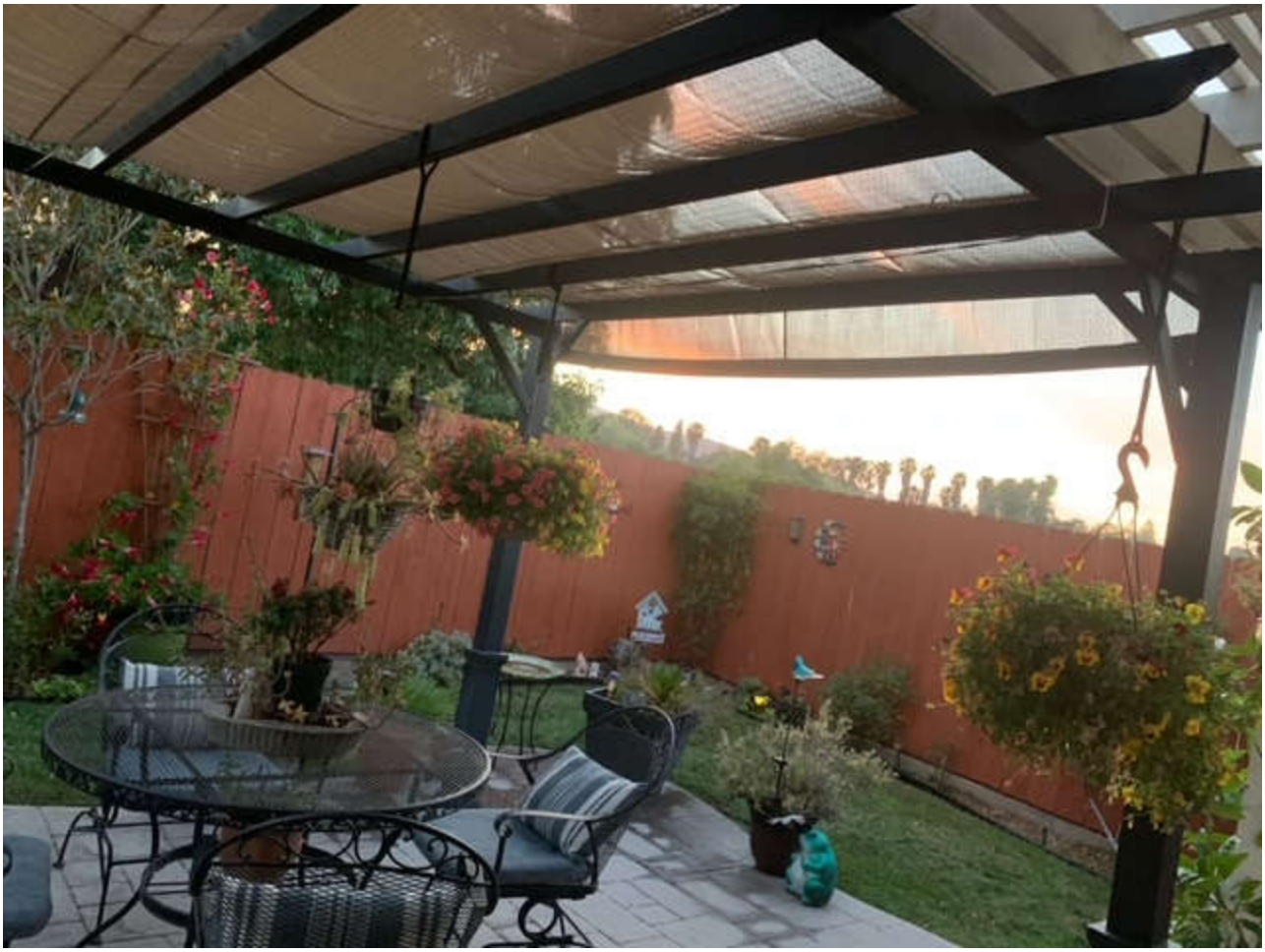
From: Teresa Sorg-sellers [redacted]
Sent: Wednesday, February 15, 2023 3:52 PM
To: Hector Salgado
Subject: Harmon Ranch Project

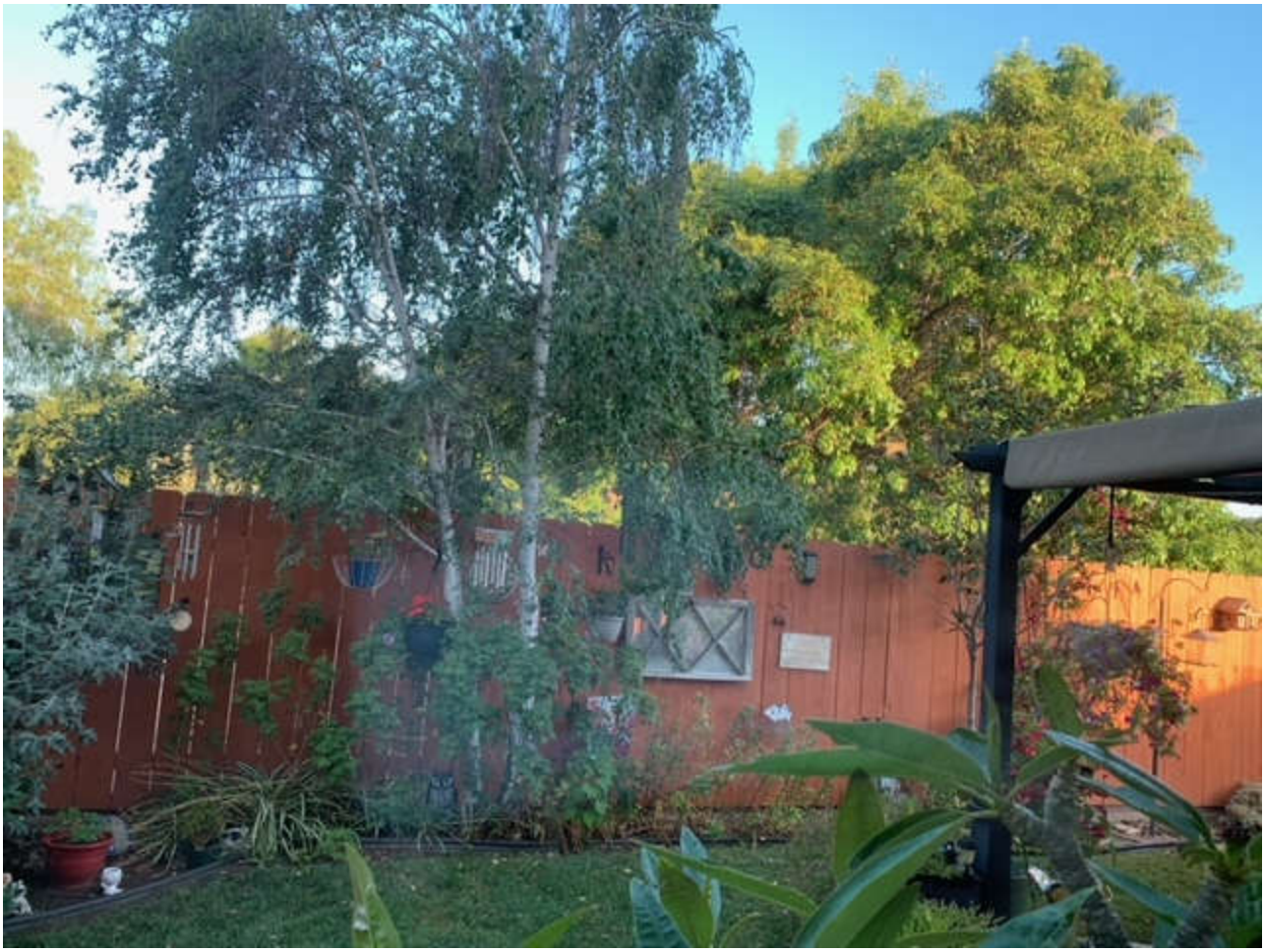
Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL

Good afternoon Hector, we are at 12920 Meadow Glen way, lot 3, East side of development. We have a lot of concerns about development and had asked to meet with developer back in June of last year. No one has contacted us?
1) We would like to see Historical House property line extended north to give us some privacy. As your map shows now there will be 2, 2 story homes directly behind our fence. We spend a lot of time in our small backyard. These homes will invade are privacy, block the sun from our yard, and concerns about the noise from being so close.
2) There are 3 beautiful trees, would like development to include established trees.
3) Traffic, the traffic on Oak Knoll is already busy. It is very difficult to make turns out of Meadow Glen, due to traffic now.
4) Please keep setback behind are home to 20ft or more for privacy!
Like I mentioned we sent questions/ concerns to the City and asked they be past on to developer. We have not heard back from either party,June of 2022!
Will send a few pics from inside house to back fence so you have an idea of how close these new homes will be.

E
W





Sent from my iPhone

[redacted]

From: [redacted]
Sent: Wednesday, February 15, 2023 8:04 PM
To: Hector Salgado
Subject: Harmon Ranch Specific Plan Project

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL

Dear Mr. Salgado:

I live at 12710 Roca Grande Dr., Poway, CA, directly adjacent to the Harmon Property.

I am opposed to the density being allowed in the Harmon Ranch development. It is triple the density of homes as compared to adjacent existing streets, and the homes will be double the height of adjacent houses. The houses will be located too close to the surrounding existing homes. The density is incompatible with the surrounding neighborhood.

When I bought my home here in 1986, I was told by one of Juanita Harmon's Century 21 agents that the Harmons (the senior Harmons, now deceased) had planned to put in a small neighborhood development on the property, around 19 or 20 houses. Now we are told we should be thankful it is only 65 houses. This makes no sense.

If emergency evacuation is required from this development, it will overwhelm Oak Knoll Road.

Oak Knoll Road currently allows parking on both sides of the road and is usually parked up with a solid row of cars (apartment overflow parking) on both sides of the street extending from just east of Pomerado Road eastward nearly to Carriage Road. Oak Knoll Road also has a "traffic calming" narrowing and speed hump near the apartments close to Pomerado Road.

Egress from the apartment complexes onto Oak Knoll Road is already difficult due to the poor visibility past the rows of parked cars, which results in "near misses" with cars exiting the apartments. In an emergency, this would be a serious vulnerability to this route. A traffic accident blocking Oak Knoll Road would deprive the entire population, and the neighboring residents, an exit to safety.

Sincerely,

Ann Tipps, MD

[redacted]

PUBLIC SCOPING MEETING

Harmon Ranch Specific Plan -Environmental Impact Report (EIR)

Tuesday, February 16, 2023, 6:30 p.m.
Poway City Council Chambers
13325 Civic Center Drive, Poway, CA 92064

WRITTEN COMMENT FORM

How big will the passive park be? Will there be a grass area. How much grass?

When will the presentation be made available?

Where will the storm water be routed to?

What is the water source for watering the open space grass/turf areas? Can we be assured that water will not be pumped from the creek to irrigate the turf.

CONTACT INFORMATION:

Marianna Bacilla
Print Name

[redacted]
Address

[redacted]
Phone

[redacted]
Email

PUBLIC SCOPING MEETING

Harmon Ranch Specific Plan -Environmental Impact Report (EIR)

Tuesday, February 16, 2023, 6:30 p.m.
Poway City Council Chambers
13325 Civic Center Drive, Poway, CA 92064

WRITTEN COMMENT FORM

MY CONCERN IS THE INTEGRITY OF THE OPEN AREA OS-1, ADJACENT TO POWAY CREEK, WHERE A LOT OF WILDLIFE EXISTS.

- ARE EXISTING TREES GOING TO REMAIN?
- FUTURE MANAGEMENT OF THAT AREA (*)
- NOISE / HUMAN ACTIVITY / IMPACT ON WILDLIFE
- WATER QUALITY IMPACT ON POWAY CREEK

ALL NEIGHBOURS AROUND SOLEST REALLY APPRECIATE THE LANDSCAPE AND WILDLIFE AROUND POWAY CREEK

- RAIN WATER / STORM DRAINS EFECT ON POWAY CREEK WATER QUALITY

(*) TO ENSURE LANDSCAPE INTEGRITY / PRESERVATION

CONTACT INFORMATION:

ANTONIO MURCIA
Print Name
[redacted]
Address
[redacted]
Phone
[redacted]
Email
[redacted]

[redacted]

From: Adrienne Wilson [redacted] >
Sent: Friday, February 17, 2023 3:45 PM
To: Hector Salgado
Subject: Harmon Ranch EIR comment

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL

Hello Hector,
I was at the EIR meeting last night but did not sign in. Thank you for running an informative meeting.

A couple items I would like to submit as comment:

Any new development should encourage walking and biking as primary means of local transportation. Having bicycle racks at the open space recreational areas and having pedestrian access at Roca Grande Dr. would go a long way to encourage eco-friendly and heart-healthy movement in the neighborhood.

It was noted in the meeting that there was a proposed zone change from Residential Single Family 7 (RS-7) to Planned Community (PC). Can the city explain to the public what the practical differences are between the two zone designations?

Thank you,

Adrienne Wilson

[redacted]

[redacted]

[redacted]

From: Chris Cruse [redacted]
Sent: Thursday, February 23, 2023 11:32 AM
To: Hector Salgado
Cc: [redacted]
Subject: Harmon Ranch

Follow Up Flag: Flag for follow up
Flag Status: Flagged

[You don't often get email from [redacted]. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

EXTERNAL EMAIL

Helloo Hector Salgado,
I notied that the Specific Plan for the Harmon Ranch does not state exactly how many houses could be built in Harmon Ranch, if it was built to current city codes, including full street widths, sidewalks on both sides, setbacks for RS-7 and all other current requirements for building in RS-7 zone. Can you provide the actual number of houses that could be built using ALL of the RS-7 specifications. In other words, how many houses could be built without general plan changes or a specific plan?

At the scoping hearing, there were severl people who claimed that this specific plan is the result of state laws or requirements. Can you provide any state laws or requirements that do not allow the Harmon Ranch to be built to current city RS-7 specifications?

Please advise,
Thank You,
Chris Cruse

[redacted]

From: Chris Cruse [redacted]
Sent: Tuesday, February 28, 2023 3:53 PM
To: Hector Salgado
Subject: Re: Harmon Ranch

[You don't often get email from [redacted]. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

EXTERNAL EMAIL

Hi Hector,
Please email the information, as I am not getting a phone call from you.

I want to know how many houses can be built on the RS-7 Harmon parcels using the current street, sidewalk and easement rules laid out in the current general plan.
Chris Cruse

> On Feb 27, 2023, at 8:47 AM, Hector Salgado <HSalgado@poway.org> wrote:
>
> Good morning, Chris,
>
> Sorry for the delayed response. When you have a chance, could you please give me a call at 858-668-4656 to discuss your inquiry. Or could you please provide me with your phone number and best time to reach you.
>
> Thanks,
>
> Hector
>
>
> -----Original Message-----
> From: Chris Cruse <[redacted]>
> Sent: Thursday, February 23, 2023 11:32 AM
> To: Hector Salgado <HSalgado@poway.org>
> Cc: [redacted]
> Subject: Harmon Ranch
>
> [You don't often get email from [redacted]. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]
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>
>
>
>
> Please advise,
> Thank You,
> Chris Cruse

[redacted]

From: Emily Carl <emilyac@poway.seada.com>
Sent: Sunday, February 26, 2023 3:27 PM
To: Hector Salgado
Cc: 'emilyac@poway.seada.com'; [redacted]
Subject: RE: Notice of Preparation for The Harmon Ranch Project in Poway

Follow Up Flag: Follow up
Flag Status: Flagged

[You don't often get email from emilyac@poway.seada.com. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

EXTERNAL EMAIL

Hello Hector,

I am making followup to the City's request for scoping input on this project's EIR.

I would like to provide input before the 3/3/2023 deadline but am in need of information beyond what was found in the slide deck for the public scoping meeting presentation.

Slide 8 of the slide deck looks like a tentative map that does not immediately disclose proposed barriers. Nor does it address what the intended uses of the various Open Space areas (referenced as OS and OSR) areas.

Here are my specific questions:

1) Are there any plans for any access via Roca Grande Drive to any part of the Planned Community? If yes, what parts and what is the scope and type of such access? If no, how is access being limited?

2) Are there any planned walls or other barriers for surrounding the Planned Community? If so, I would need to obtain knowledge of the types of walls/barriers to give scoping input to the project's EIR. Is that information immediately available?

3) What are the intended uses of the various OS and OSR areas within the boundary of the Planned Community?

Thank you for your time and consideration; it is much appreciated!

--
Emily.
[redacted]

[redacted]

From: [redacted]
Sent: Monday, February 27, 2023 5:39 PM
To: Hector Salgado
Subject: RE: Notice of Preparation for The Harmon Ranch Project in Poway - Comments/Questions related to Environmental Impact Study

EXTERNAL EMAIL

Good evening, Hector. Below are my comments and questions related to the Environmental Impact Study for the Harmon Ranch project.

Aesthetic/Visual

- The proposed density does not fit with the surrounding neighborhoods, including those homes that were built most recently. Retain RS7 zoning.
- Plan 1 (Santa Barbara) design appears to be adobe style and again does not fit with the existing neighborhood designs.
- Visually, the houses will appear "crammed" into the development.
- Privacy of individuals living next to the new homes will be lost. Several existing homes adjacent to the new development have bedrooms facing the new developments. Ensure design promotes privacy to existing residents.
- Proposed 6 foot vinyl fence will not protect privacy or provide sound barrier. Consider taller fences along existing residents.
- Develop requirements for maintenance of parks and escalation for neighbor complaints. Develop plan to manage open space areas as overgrowth will become a fire hazard for the new community and surrounding homes. Currently the City of Poway maintains these areas.

Air Quality

- Increased pollution from automobiles in a dense area
- Increased pollution from construction equipment
- Dust created by construction equipment.

Archeologicial/Historical

- North eastern portion likely filled with Kumeyaay artifact, what is plan to ensure that artifact is not destroyed during construction process?
- Creek area (north west corner) has previously been identified as a natural habitat. How will that be protected?

Drainage/absorption

- How will grading impact existing drainage of the site?

Geology/Seismic

- How will stability of the large rock pile (north west portion) be ensured during and after grading?
- If blasting is anticipated, how will surrounding neighborhoods and the Kumeyaay Interpretive Center be protected?

Noise

- Increased noise due to construction. Can construction times be altered so as not to start at 7am

Population/Housing Balance

- Project as proposed is too dense for surrounding area

Public Services/Facilities

- Park area along Oak Knoll will invite crime in the evening/nighttime hours. Additional police patrols will be needed to ensure safety. Does development pay fees to support increased infrastructure?
- How will graffiti in open space be handled?
- Will Development be sourced from already taxed power grid? No mention of renewable energy within the plan description. Solar energy planned?
- Increased need for fire coverage. Does development pay fees to support increased infrastructure?

Schools/University

- Existing neighborhood elementary and middle schools are over full. Children from this development along with the several new family friendly developments along Poway Road will increase the enrollment at already full and struggling schools.

Sewer Capacity

- What is the proposed tie to city sewer lines? Sewer lines on Roca Grande are not large enough to handle additional volume.

Soil Erosion/Compaction/Grading

- How will grading the property impact stability of the large rock pile?

Traffic Circulation

- Increased traffic on Oak Knoll will make it more dangerous for resident leaving apartment complexes and streets off Oak Knoll. Oak Knoll street parking makes it difficult to see on comging traffic.
- How will pedestrian safety be maintained throughout construction phase and after?
- Consider lighted cross walk vs raised to protect pedestrians and drivers
- How will pedestrian traffic to the development from Roca Grande Dr. be prevented? As a private street, Roca Grande residents are responsible for maintaining the cleanliness of our street.

Sincerely,

Kathy Wright
Resident, Roca Grande Dr.

From: Hector Salgado <HSalgado@poway.org>
Sent: Wednesday, February 22, 2023 10:33 AM
To: Kathy wright <[redacted]>
Subject: RE: Notice of Preparation for The Harmon Ranch Project in Poway

Good morning Kathy,

Per your request, please see the link below to the February 16th Harmon Ranch public scoping meeting presentation.

https://poway.org/329/Recent-Projects-Environmental-Documents

Thanks,

Hector

From: Kathy wright [redacted]
Sent: Tuesday, February 21, 2023 6:41 AM
To: Hector Salgado <HSalgado@poway.org>
Subject: Re: Notice of Preparation for The Harmon Ranch Project in Poway

EXTERNAL EMAIL

Good morning Hector. Can you please send me a link to the slide deck from the Harmon Ranch EIR meeting on 2/16? Thank you

Kathy Wright
Home Owner, Roca Grande Dr.

Sent from my iPad

> On Feb 8, 2023, at 4:46 PM, Hector Salgado <HSalgado@poway.org> wrote:
>
> Good afternoon Kathy,
>
> It was a pleasure speaking with you earlier today. Per our conversation, the meeting on February 16th regarding the Harmon Ranch project will be dealing with the Environmental Impacts for the proposed project and it is separate from the neighborhood meeting. The neighborhood meeting will be facilitated by the City once the developer has submitted a more complete and defined project.
>
> Regarding your inquiry, the most recent submittal of the project does not indicate work on Roca Grande. The zone change from Residential Single Family 7 to Planned Community will not affect your access easement.
>
> Additionally, the Specific Plan is currently under review and we will make it available to the public once it is closer to a final draft.
>
> Please let me know if you have any other questions or concerns. Feel free to call me at 858-668-4656.
>
> Thanks,
>
> Hector Salgado
>
> ---
>
> **From:** [redacted]
> **Sent:** Wednesday, February 8, 2023 6:36 AM
> **To:** Hector Salgado <HSalgado@poway.org>
> **Cc:** David De Vries <DDeVries@poway.org>
> **Subject:** RE: Notice of Preparation for The Harmon Ranch Project in Poway

EXTERNAL EMAIL

Good morning , Hector. As a resident on Roca Grande Drive, how can I review the proposed Harmon Ranch Specific Plan? Part of Roca Grande is included in the project boundary, and I would like to understand how the re-zoning that area from RS-7 to PC might affect my street easement at the west end of the street and potentially along the entire street.

While I am pleased access to project no longer includes access via Roca Grande, the change in zoning request has raised some neighborhood concerns.

Thank you for providing additional information.

Kathy Wright
Resident, Roca Grande Dr.

From: Hector Salgado <HSalgado@poway.org>
Sent: Tuesday, January 31, 2023 8:38 AM
Cc: David De Vries <DDeVries@poway.org>
Subject: Notice of Preparation for The Harmon Ranch Project in Poway

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Hector Salgado
Associate Planner
Development Services
City of Poway | 13325 Civic Center Drive | Poway, CA 92064
Phone (858) 668-4656|Fax (858) 668-1211
hsalgado@poway.org

[redacted]

From: Chris Cruse [redacted]
Sent: Tuesday, February 28, 2023 4:41 PM
To: Hector Salgado
Subject: Article 8. Specific Plans California Government Code 2009 California Code California Code US Codes and Statutes U

[You don't often get email from [redacted]. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

EXTERNAL EMAIL

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There is a newer version of the Californ

2009 California Gov

Article 8. Specific P

GOVERNMENT CODE

SECTION 65450-65457

65450. After the legislative b

Erin Lucett

From: Chris Cruse [redacted]
Sent: Tuesday, February 28, 2023 4:40 PM
To: Hector Salgado
Subject: Chapter 3 GENERAL PLAN CONSISTENCY ANALYSIS

[You don't often get email from [redacted]. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

EXTERNAL EMAIL

A.2. General Plan Consistency Analys

California law requires a Specific Plan to be c
General Plan for any relevant goals and polici

California Government Code Section 65450-6
requires that Specific Plans must demonstrate
consistent with City of Coronado's General Pl
consistency with the Orange Avenue Corridor
to be amended.

This section analyzes the goals and policies c
applicable to the Specific Plan were not inclu

[redacted]

From: Chris Cruse [redacted] >
Sent: Tuesday, February 28, 2023 10:09 PM
To: Hector Salgado
Cc: Chris Cruse
Subject: Harmon Ranch Specific Plans- scoping EIR

EXTERNAL EMAIL

Harmon Ranch Specific Plans- EIR questions

California State Law requires that all specific plans be consistent with a city's General Plan.

Below are statements from Poway's General Plan, and questions about the Harmon Specific Plan's consistency or ability to meet the General Plan Goals.

Policy B- Subdivision Design
Subdivisions should be designed to ensure that future land development supports the goals of the General Plan.

Strategies
"New development should be of density and design compatible with surrounding existing development."

"Lot size and shape should allow for properly spaced buildings, provide areas for landscaping and reduce conflicts between incompatible uses."

The density of the Harmon Ranch does not match the general plan requirements for RS-7 zoning. The street size and sidewalk requirements do not match, nor do the front, side and rear setbacks meet the RS-7 requirements. The density of the Harmon Ranch specific plan is about 50% greater than the general plan specifications for RS-7 parcels that meet street width, sidewalk specifications and front, rear and side yard setback requirements.

There are 4 houses in the Harmon Ranch Specific Plan butted up to each parcel in the adjacent subdivision. How is this compatible with existing development or consistent with general plan specifications for RS-7 zoned parcels?

The specific plan does not state the actual number of houses that could be built on these parcels using the current RS-7 zoning requirement. It only states the number of units allowed by the specific plan which the Harmons and the developer made up. How many houses could be built on the parcels without a specific plan, by following the current Poway laws and general plan, including current density, street width, sidewalk requirements, back, front and sideyard setbacks?

Why should the city approve a specific plan that gives the developer more houses that are allowed by the general plan? This will force the city to also give any other developer the right to use greater density and different setbacks and street widths and sidewalks. In effect, this specific plan will gut Poway's general plan. What is the purpose of obliterating the general plan?

The EIR must take into account the greater density that would have to be approved for all RS-7 property owners if this plan is approved.

Policy C- Site Design
Attractive, efficient site design shall be required of all development.
“The layout of a site should consider the planning of adjoining parcels to ensure visual and functional compatibility of surrounding development.”

How will increasing the density so that it is greater than what is allowed under the General Plan make traffic more efficient on Oak Knoll Rd. Oak Knoll Rd probably has the highest residential density of anywhere in the city. What measures will mitigate the effect of so many driveways spilling traffic on to Oak Knoll Rd?

Will the residents be able to efficiently evacuate for a fire?

“Intermediate ridges and hilltops shall be preserved in a natural state to the maximum extent possible”

“Front yard setbacks should be varied to create greater solar access, to provide more useful private open space in side yards and avoid a monotonous pattern of houses.”

Is there any private space in the side yards?
Is the pattern of houses monotonous? Like sardines in a can?

“At least 25 percent of all lots within a subdivision shall provide sufficient side yard area and setbacks for recreational vehicle parking.”

Does the Harmon Specific Plan meet this criteria?

“Private open space should be provided adjacent to dwelling units.”
Does the Harmon Specific Plan meet this requirement?

Policy D- Grading
Necessary grading should be done so as to minimize the disturbance to the site and the environmental and aesthetic impacts.”

Will there be grade changes for this project? WIll the soil level be changed? Will there be cut and fill?

Will the natural contours of the land be changed?
Will the soil level be raised next to the creek, changing the flooding risk for other parcels?

Policy E- Interior Circulation and Parking
“Adequate, safe and efficient on-site circulation and parking areas should be provided for vehicles, which do not conflict with pedestrian areas or visually dominate the appearance of the development.”
Why should this development be built to the standards of a multi-family development in Poway? What is the reason to waive the full street widths and sidewalk requirements for RS-7 zoning? If the city does it for this project, it would mean they have to do it for all RS-7 projects. What would be the cumulative effect of changing RS-7 to muti-family street and sidewalk development criteria?

Why does the pedestrian trial end in the parking area of a car/tire business? There must be a better connection then having pedestrians have to walk through an unsafe parking lot.

The parking requirements are being met by garage parking and driveway parking, but residents can convert their garages to ADUs. Is there sufficient parking to accommodate garage conversions?

Policy F- Architechture

“All public and private buildings, except those in the South Poway industrial park shall be compatible with the City’s small town character and image.”

Residential areas should be comprised of custom homes or homes that simulate custom homes to every extent feasible. Tract subdivision construction shall conform with the following:

There shall be sufficient number of exterior architectural election designs and interior floor plans to promote and achieve housing variety and the objective of simulating custom home development. The number of designs and floor plans shall be commensurate with the total number of lots in the subdivision pursuant to the Zoning Ordinance;

Rooflines should vary in angle and height to provide a changing profile and should emphasize the natural land forms in the vicinity and help blend the structure into the natural environment.

The use of side entry or rear garages is encouraged.”

Do the Harmon Ranch houses meet these goals?

Floodplains and Floodways

“Land within the 100 yr floodplain should be designated for low density residential and open space uses. “

Development in the 100 year floodplain may be approved if the following conditions are met…..Information certifying that no upstream or downstream changes to the 100 yr floodplain will occur must be submitted by a qualified civil or hydrological engineer.”

Do you plain to build in the 100 yr floodplain?

Policy C-Land Use and Transportation
Ensure that the City’s transportation system does not become overburdened
“Avoid approving any development that will increase the traffic on a City roadway above the existing design capacity at Level of Service C unless traffic/roadway design mitigation is available and/or will be implemented to achieve the desired Level of Service.Or if no feasible alternatives are available, cumulative land use impacts on roadways should be assessed to ascertain the contribution of each new use being considered. “
“Prohibit development which will result in Level of Service E or F at any intersection unless no feasible alternative exists and an overriding public need can be demonstrated.”

What is the overriding public need that would allow you to increase density and development intensity for an RS-7 parcel? Is there really any overriding PUBLIC reason to increase density about 50% for all RS-7 zoning? It seems like the only reason to do so is personal profit. But the EIR must consider the cumulative effect of changing density and setbacks, street width and sidewalks in all RS-7 zones.

“Developments which will result in a concentration of people (such as multi-family residential developments) should be located in proximity to commercial services and along primary roadway corridors or in other locations of high transit potential or access. “

Are there plans for bus service on Oak Knoll? Maybe that should be a requirement before adding such a high density project with multi-family street and sidewalk and setback designations.

“Continue to develop neighborhood parks in proximity to residential areas to encourage pedestrian travel to recreation areas.”

Will the private parks be deed restricted so that they will always remain parks available to the public?

Will they be dedicated park space?

What happens if the homeowners in the HOA vote not to pay the maintenance fees of the park/ open space areas?

Is this going to be a passive park or will there be play equipment for children and/or adults?

Policy A- Parks
“A diversified, comprehensive park system should be provided for the residents of Poway, utilizing adopted standards, contemporary concepts and planning strategies.”

The city has built no new parks in the last 18 years There really are not enough dedicated parks to meet the needs of current residents, much less the number of new residents already planned for.

“Seek to ensure that every neighborhood is served within a one-half mile radius by an elementary school site or park. “
Is there sufficient space in a near by school?
“Neighborhood parks shall serve as the day-to-day recreational areas of the City. These facilities should include playgrounds, playing fields, and turf areas where local residents can enjoy the outdoors in a safe and refreshing environment. “

Are there enough parks to meet the needs of Harmon Ranch residents and other new residents?

“Maintain legislation under Quimby Act to require dedication of land, payment of in-lieu fees or a combination thereof, as a condition of residential development approval to the equivalent of five acres of land per 1,000 population anticipated in the proposed development.”

I think this is park space, not open space that is used for drainage requirements or is part of the creek or for parking. Is there sufficient park space in this project?

Policy C- Private Recreation Facilities
“Private recreational facilities can be used to reduce the total amount of land to be dedicated and/or fees paid in-lieu to 50 percent of the requirement per residential development proposal”

So is the Harmon Ranch park public or private?

“Adequate provision shall be made to ensure that the private recreational facilities remain available in perpetuity or the residents and the City shall be compensated accordingly. “

What provisions will be made to ensure the private parks will be available in perpetuity?

Policy B- Waterways
“The natural character of creeks and channels should be maintained or restored to the greatest extent possible with consideration for maintaining adequate flood protection. “

Strategies:
“Development, including roads, should be set back from riparian corridors a minimum distance of 50 ft., or a sufficient distance as determined by a qualified biologist to avoid any damage to these areas. These riparian

corridors and associated buffer areas should be designated as permanent natural open space easements and the buffer areas should be vegetated only with appropriate native species , as determined by a qualified biologist or native plant horticulturist.”

Are your houses going to be 50 ft from the riparian corridor?
Is there enough space to do a natural buffer and a park?
Are you going to seek the advice of a natural plant horticulturist?

“Pubic access to creeks, via trails, paths, and greenways shall be encouraged to the extent possible without negatively impacting riparian habitat value”

Is there a trail along the creek?

Is there any reason that the Harmon Ranch parcels cannot use the current zoning specifications for RS-7 parcels?

[redacted]

From: [redacted]
Sent: Wednesday, March 1, 2023 8:05 PM
To: Hector Salgado
Subject: Harmon Ranch specific plan -- I am opposed

Follow Up Flag: Flag for follow up
Flag Status: Flagged

EXTERNAL EMAIL

Dear Mr. Salgado:

Why are the developers of the Harmon Ranch project being allowed to write their own density plan and ignore the existing RS-7 zoning of the property? The "builder's remedy" to build denser than zoning only applies if 20% of the houses are deed restricted to low income buyers, and this project does not have this restriction in it. Thus, they are not eligible to disregard the Poway zoning.

Per California Government Code, Section 65454, planned community project plans must be compliant with the General Plan. The Harmon Ranch specific plan is much denser than RS-7, and ignores the setback requirements for RS-7 zoning.

California Codes > Gov't Code > Planning & Land Use > Planning & Zoning > Local Planning > Specific Plans > Sec. 65454: "No specific plan may be adopted or amended unless the proposed plan or amendment is consistent with the General Plan."

https://california.public.law/codes/ca_gov%27t_code_section_65454

We were told by the property owners after the scoping meeting that this is a good plan for us because "the State" wanted them to build much denser than they are planning, which is a straw man argument not supported by any evidence.

It is mind-boggling that this is happening. If this is approved by the City, no property zoning will be safe anywhere in Poway. It will establish a precedent that will be pushed by every developer, and if it is allowed for one project, it will be demanded to be allowable for all. Only those with the financial means, or inside influence, to push back would be able to resist it.

Sincerely,

Ann Tipps
[redacted]

[redacted]

From: Chris Cruse [redacted]
Sent: Thursday, March 2, 2023 9:56 AM
To: Hector Salgado
Cc: [redacted]
Subject: re: submissions for Harmon Ranch EIR

EXTERNAL EMAIL

Please include these questions in the Harmon Ranch EIR scoping.

1.) Who wrote the submission to CEQA?
2.) Was it fact checked by anyone in the City of Poway?
3.) Why did the document not state the number of houses that could be built using Poway's current codes?
4.) What is the number of houses that can be built on the Harmon Ranch parcels using current RS-7 zoning, street widths, sidewalks, and setback requirements?

5.) The Harmon Ranch proposal asks for a zoning change from RS-& to PC. All PC zoned property has an underlying zoning. Are you planning to change the underlying zoning from RS-7 to some other zone? If so, what is the new zone you plan to change it to?

6.) RS-7 lot size is requires a minimum net lot size of 4500 sq ft. Harmon Ranch proposal calls for lot sizes as small as 3690 sq ft. How is this allowed in RS-7 zone? How is it compatible with the Poway General Plan?

7.) RS-7 lots require a minimum 50 ft width. Harmon Ranch proposes 42 ft width. How is this consistent with Poway's General plan?

8.) RS-7 zones can have a density up to 8 houses per net acre after subtracting for full width streets and sidewalks on both sides. The CEQA document said that Harmon Ranch will be 8.8 houses per net acre, but that is not subtracting full width streets and sidewalks on both sides. What is the real number of buildable net acres using the city's requirements for streets and sidewalks in RS-7 zones?
9.) What is the real density of the Harmon Ranch parcels using RS-7 zoning requirements?

10.) RS-7 zones require a 18 ft front yard setback, 5/10 ft sideyard setback and 20 ft rear setback. What are the setbacks for Harmon Ranch? Do they meet RS-7 specifications?

11.) What reason is there for introducing new zones or changing the zoning requirements of current zones?
12.) Is there some reason a project cannot be built using the current zoning specifications?
13.) Is wanting more profit a justifiable reason to approve a specific plan that a developer wrote instead of Poway's current zoning requirements?

14.) Should every developer be able to write the rules for what they want to build?
15.) will there be any affordable housing built in this project?
16. Will families earning the median income in San Diego be able to purchase a house in this project?
17.) Is this project needed for Poway to meet RHNA goals for low, very low or moderate income housing?
18.) Does Michael Schlesinger have a financial interest in this project?
19.) Is Michael Schlesinger have any interest in the Lennar group that is planning this project?

[redacted]

From: Buzz Mann [redacted]
Sent: Friday, March 3, 2023 3:58 PM
To: Hector Salgado
Subject: Harmon Ranch project

You don't often get email from [redacted] Learn why this is important

EXTERNAL EMAIL

Hector,

Just a couple concerns we have.

The increased traffic on Oak Knoll road. The street is already lined with cars, afraid even tho they say the new housing area will have plenty of parking ,don't believe it really will. Set backs and space between homes are so small. Maybe a few less houses would be better.

The new construction on Poway Road has eight foot brick walls between properties. We think that would be more appropriate for between new construction and existing properties on La Vista Way, and Roca Grande. Rather than a six foot vinyl one. This would ensure no vehicle or foot traffic on these streets.

Also on a personal note if the grading on this project changes the flow of rain waters and causes flooding in any of the homes on La Vista way, there could be suits filed on builder and city for approving said project.

Thank you,

Buzz and Colleen Mann

Appendix B

Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Harmon Ranch Project

Air Quality and Greenhouse Gas Emissions Analysis Technical Report

Harmon Ranch
Poway, California

JUNE 2022

Prepared for:

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San Diego, CA 92127
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Prepared by:

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Printed on 30% post-consumer recycled material.

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
2050 RTP/SCS	2050 Regional Transportation Plan
AB	Assembly Bill
AERMOD	American Meteorological Society/EPA Regulatory Model
ATCM	Airborne Toxic Control Measure
CAA	federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALINE4	California LINE Source Dispersion Model
CARB	California Air Resources Board
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFC	chlorofluorocarbon
CH_4	methane
City	City of Poway
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2	carbon dioxide
County	County of San Diego
DPM	diesel particulate matter
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EV	electric vehicle
GHG	greenhouse gas
GWP	global warming potential
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
HRA	health risk assessment
IPCC	Intergovernmental Panel on Climate Change
LOS	level of service
MMT CO_2e	million metric tons of CO_2 equivalent
MT	metric tons
MT CO_2e	metric tons of CO_2 equivalent
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Traffic Safety Administration
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment

Acronym/Abbreviation	Definition
PDF	Project Design Feature
PFC	perfluorocarbon
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
ppm	parts per million
RAQS	Regional Air Quality Strategy
Regional Plan	San Diego Forward: The Regional Plan
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDG&E	San Diego Gas and Electric
SF_6	sulfur hexafluoride
SIP	State Implementation Plan
SLCP	short-lived climate pollutant
SO_2	Sulfur dioxide
SO_x	sulfur oxides
TAC	toxic air contaminant
VMT	vehicle miles traveled
VOC	volatile organic compound
ZEV	zero emissions vehicle

Executive Summary

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the Harmon Ranch Specific Plan (proposed project). This assessment utilizes the significance thresholds in Appendix G of the California Environmental Quality Act Guidelines (14 CCR 15000 et seq.).

Project Overview

The Harmon Ranch project entails the development of 63-single family dwelling units on a currently vacant site in the City of Poway. The Proposed Project is located north of Oak Knoll Road, south of Poway Road, and in between Pomerado Road and Carriage Road. Proposed amenities will include 20,000 square feet of open space for residents to utilize and a trail connecting to the existing commercial center north of the site. A total of 40 public parking spaces will be provided, including 24 parallel and 16 perpendicular spaces, in addition to the two car parking garages and driveways provided for each unit.

Air Quality

The air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the proposed project. Impacts were evaluated for their significance based on the San Diego Air Pollution Control District's (SDAPCD) mass daily criteria air pollutant thresholds of significance (SDAPCD 2016a). Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. Criteria air pollutants include ozone, nitrogen dioxide, carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated include volatile organic compounds (VOCs) (also referred to as reactive organic gases), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$. VOCs and NO_x are important because they are precursors to ozone.

Air Quality Plan Consistency

If a project proposes development that is greater than that anticipated in the local plan and the growth projections set by the San Diego Association of Governments (SANDAG), the project might be in conflict with the State Implementation Plan and Regional Air Quality Strategy, and therefore may contribute to a potentially significant cumulative impact on air quality. The proposed project was deemed to be consistent with the current air quality plan, because the anticipated growth associated with the project does not exceed that projected by SANDAG. In addition, the proposed project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations. Based on these considerations, impacts related to the proposed project's potential to conflict with or obstruct implementation of the applicable air quality plan would be less than significant.

Construction Criteria Air Pollutant Emissions

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Maximum daily construction emissions would not exceed the SDAPCD

significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during construction. The project would have a less than significant impact.

Operational Criteria Air Pollutant Emissions

Consistent with the Traffic Impact Analysis prepared for the project (Intersecting Metrics 2022a), the analysis herein assumed an operational year of 2026. Operation of the proposed project would generate operational criteria air pollutants from mobile sources (vehicles), area sources (consumer product use, architectural coatings, and landscape maintenance equipment), and energy (natural gas). Maximum operational emissions would not exceed the SDAPCD operational significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$.

Cumulative Impacts

The potential for the proposed project to result in a cumulatively considerable impact, per the SDAPCD guidance and thresholds, is based on the project's potential to exceed the project-specific daily thresholds. Because maximum construction and operational emissions would not exceed the SDAPCD significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$, the proposed project would not result in a cumulatively considerable increase in criteria air pollutants.

Exposure of Sensitive Receptors

Construction activities would not generate emissions in excess of the SDAPCD site-specific mass daily thresholds; therefore, site-specific construction impacts during construction of the proposed project would be less than significant. In addition, diesel equipment would also be subject to the California Air Resources Board Airborne Toxic Control Measures for in-use off-road diesel fleets, which would minimize diesel particulate matter emissions. The health risk assessment prepared for the proposed project (Appendix B) for construction showed cancer and non-cancer risks above levels of significance prior to mitigation. With implementation of mitigation measure MM-AQ-1, the cancer and non-cancer risks would be reduced to below levels of significance. No residual toxic air contaminant emissions and corresponding cancer risk are anticipated after construction, since no long-term sources of toxic air contaminant emissions are anticipated during operation of the proposed project. Therefore, impacts to sensitive receptors during construction would be less than significant.

The CO hotspot analysis prepared for the proposed project (Appendix C) showed that the intersections that operated at a Level of Service of E or worse would not exceed the 1-hour or 8-hour ambient air quality standard. As such, potential project-generated impacts associated with CO hotspots would be less than significant.

Other Emissions

Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Impacts associated with odors during construction would be less than significant. The proposed project would be a mixed-use development that would not include land uses with sources that have the potential to generate substantial odors, and impacts associated with odors during operation would be less than significant.

Greenhouse Gas Emissions

Global climate change is primarily considered a cumulative impact, but must also be evaluated on a project-level under the California Environmental Quality Act. A project participates in this potential impact through its incremental contribution

combined with the cumulative increase of all other sources of GHG emissions. GHGs are gases that absorb infrared radiation in the atmosphere. Principal GHGs regulated under state and federal law and regulations include carbon dioxide (CO_2), methane, and nitrous oxide. GHG emissions are measured in metric tons of CO_2 equivalent (MT CO_2e), which account for weighted global warming potential factors for methane and nitrous oxide.

Project-Generated Construction and Operational Greenhouse Gas Emissions

Construction of the proposed project would result in GHG emissions primarily associated with the use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. Total project-generated GHG emissions during construction were estimated to be 909 MT CO_2e, or 30 MT CO_2e per year when amortized over 30 years.

The proposed project would generate operational GHG emissions from area sources (landscape maintenance), energy sources (electricity consumption), mobile sources (vehicle trips), water supply and wastewater treatment, and solid waste. Estimated annual project-generated operational GHG emissions at buildout in 2026 would be approximately 732 MT CO_2e per year. Estimated annual project-generated operational emissions in 2026, plus amortized construction emissions, would be approximately 763 MT CO_2e per year.

The proposed project was evaluated against the California Air Pollution Control Officers Association (CAPCOA) 900 MT CO_2e per year. The project's estimated emissions would not exceed the significance threshold prior to mitigation. Therefore, the project would have a less than significant impact.

Consistency with Applicable Greenhouse Gas Reduction Plans

The proposed project was shown to be consistent with SANDAG's San Diego Forward: The Regional Plan, Senate Bill 32, and Executive Order S-3-05. The proposed project would not conflict with any plans adopted with the purpose of reducing GHG emissions; therefore, the proposed project's impacts on GHG emissions would be less than significant.

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1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the Harmon Ranch Specific Plan (proposed project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and is based on the emissions-based significance thresholds recommended by the San Diego Air Pollution Control District (SDAPCD) and other applicable thresholds of significance.

This introductory section provides a description of the proposed project and the project location (see Figure 1, Project Location). Section 2, Air Quality, describes the air quality-related environmental setting, regulatory setting, existing air quality conditions, thresholds of significance and analysis methodology, and also presents an air quality impact analysis per Appendix G of the CEQA Guidelines. Section 3, Greenhouse Gas Emissions, follows the same format as Section 2 and similarly describes the GHG emissions-related environmental setting, regulatory setting, existing climate change conditions, thresholds of significance and analysis methodology, and presents a GHG emissions impact analysis per Appendix G of the CEQA Guidelines. Section 4, References Cited, includes a list of the references cited. Section 5, List of Preparers, includes a list of those who prepared this technical report.

1.2 Project Description

The proposed Harmon Ranch Specific Plan and Tentative Map project site ("Project Site") is located within the southern area of City of Poway, south of Poway Road and east of Pomerado Road (Figure 1 Project Location). This Project Site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the Poway Comprehensive Plan: General Plan which permits single-family homes on a minimum of 4,500 square foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include mixed use retail land uses and the Kumeyaay Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south and east which are also designated RS-7 and an apartment community to the west.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was previously being used as a construction staging yard for an SDG&E gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic building will be retained in place outside of the Specific Plan Area. Because the historic home is currently within the legal parcel proposed as part of the Specific Plan, the Applicant and Property Owner will concurrently process a Lot Line Adjustment Plat with the Specific Plan and Tentative Map to separate the 0.25-acre historic home site from the Specific Plan Area boundary.

Lennar Homes of California, LLC ("Applicant"), is proposing a residential neighborhood on a 11.5-acre Project Site. The Project site is comprised of approximately 5.7 acres designated for residential development, 3.2 of open space areas, 1.9 acres for private streets and 0.5 acres of public right-of-way (Oak Knoll Road). The Proposed Project would include 63 single family detached homes. The Proposed Project density (8.8 units/acre) is slightly higher than the density permitted in the existing RS-7 designation. Primary access to the Project Site is planned via existing

Oak Knoll Road and emergency access is planned via the extension of existing Roca Grande Drive. Fifty-nine of the homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of a 63 single family homes. The Harmon Ranch Specific Plan will establish three land use districts within the Project Site: Residential Single Family (R-S); Open Space (OS); and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district.

The Proposed project is comprised of 63 single-family homes on lots 42-feet wide and 85- to 90-feet deep, with standard two-car garages, 20-foot-deep driveways to accommodate off-street parking within the private lots and private fenced rear yards. The Proposed Project also includes 40 guest parking spaces along the private streets, approximately 1.0 acres of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas and a segment of the General Plan Community trail (approximately 1,000 feet) connecting the Project Site to the adjacent retail area located to the north. The “Overlook” area located in the south portion of the Project Site is planned to provide public access and will be privately maintained.

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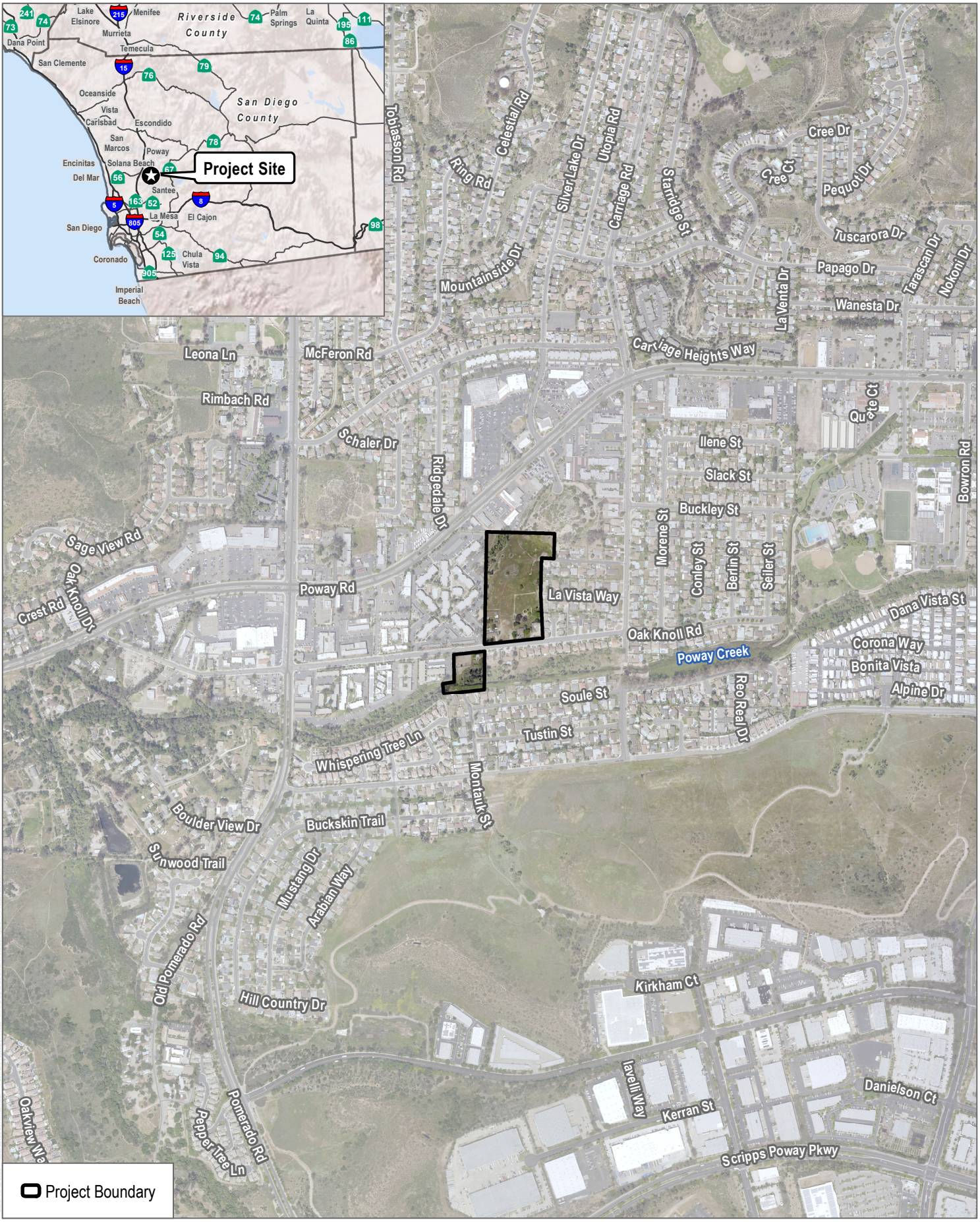

SOURCE: SAN GIS 2017

DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Harmon Ranch

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2 Air Quality

2.1 Environmental Setting

The project site is located within the San Diego Air Basin (SDAB) and is subject to the SDAPCD guidelines and regulations. The SDAB is one of 15 air basins that geographically divide the State of California. The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in °F) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April with infrequent (approximately 10 percent) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains to the east.

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east. Along with local meteorology, the topography influences the dispersal and movement of pollutants in the SDAB. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers as described in the next section.

The interaction of ocean, land, and the Pacific High Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

2.1.1 Meteorological and Topographical Conditions

The SDAB lies in the southwest corner of California, comprises the entire San Diego region (covering approximately 4,260 square miles), and is an area of high air pollution potential. The SDAB experiences warm summers, mild winters, infrequent rainfalls, light winds, and moderate humidity. This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The climate also drives the pollutant levels. The climate of San Diego is classified as Mediterranean, but it is incredibly diverse due to the topography. The climate is dominated by the Pacific High pressure system that results in mild, dry summers and mild, wet winters. The Pacific High drives the prevailing winds in the SDAB. The winds tend to blow onshore during the daytime and offshore at night. In the fall months, the SDAB is often impacted by Santa Ana winds. These winds are the result of a high pressure system over the Nevada–Utah region that overcomes the westerly wind pattern and forces hot, dry winds from the east to the Pacific Ocean (SDAPCD 2015a). The winds blow the air basin's pollutants out to sea. However, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase the San Diego ozone (O_3) concentrations. A strong Santa Ana also primes the vegetation for firestorm conditions.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. Another type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm.

The shallow inversion layer formed between these two air masses can also trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O_3, commonly known as smog.

Light daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to emissions of carbon monoxide (CO) and oxides of nitrogen (NO_x). CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is produced almost entirely from automobiles, the highest CO concentrations in the basin are associated with heavy traffic. Nitrogen dioxide (NO_2) levels are also generally higher during fall and winter days when O_3 concentrations are lower.

The local climate in the southern part of the County of San Diego (County) is characterized as semi-arid with consistently mild, warmer temperatures throughout the year. The average summertime high temperature in the region is approximately 86°F. The average wintertime low temperature is approximately 39°F. Average precipitation in the local area is approximately 13.2 inches per year, with the bulk of precipitation falling between November and March (WRCC 2017).

2.1.2 Pollutants and Effects

2.1.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O_3, NO_2, CO, sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.[1] In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

Ozone. O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly NO_x and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric ozone) and at the Earth's surface in the troposphere (ozone).[2] The O_3 that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is, thus, considered "bad" O_3. Stratospheric, or "good,"

1 The descriptions of each of the criteria air pollutants and associated health effects are based on the EPA's (2016a) Criteria Air Pollutants and the CARB (2016a) Glossary of Air Pollutant Terms.

2 The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about five miles at the poles and about 10 miles at the equator.

O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). These health problems are particularly acute in sensitive receptors such as the sick, the elderly, and young children.

Nitrogen Dioxide and Oxides of Nitrogen. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide, which is a colorless, odorless gas. NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016b).

NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources of NO_x are transportation and stationary fuel combustion sources, such as electric utility and industrial boilers.

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions.

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels.

SO_2 is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter, SO_2 can injure lung tissue and reduce visibility and the level of sunlight. SO_2 can also yellow plant leaves and erode iron and steel.

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from

industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) consists of particulate matter that is 10 microns or less in diameter (about 1/7 the thickness of a human hair). Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter ($PM_{2.5}$) consists of particulate matter that is 2.5 microns or less in diameter (roughly 1/28 the diameter of a human hair). $PM_{2.5}$ results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

People with influenza, people with chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death as a result of breathing particulate matter. People with bronchitis can expect aggravated symptoms from breathing in particulate matter. Children may experience a decline in lung function due to breathing in PM_{10} and $PM_{2.5}$ (EPA 2009).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95 percent. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the primary sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through

displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate health standards for VOCs as a group.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere. Sulfates can result in respiratory impairment and reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor that has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in the air can cause nervous system effects such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$, described above.

2.1.2.2 Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over five years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90 percent of DPM is less than one micrometer in diameter (about 1/70th the diameter of a human hair) and,

thus, is a subset of $PM_{2.5}$ (CARB 2016a). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2016a). CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines, including on-road diesel engines from trucks, buses, and cars; and off-road diesel engines from locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70 percent of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2016b). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and, overall, is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The fungus is very prevalent in the soils of California's San Joaquin Valley, particularly in Kern County. Kern County is considered a highly endemic county (i.e., more than 20 cases annually of Valley Fever per 100,000 people) based on the incidence rates reported through 2016 (California Department of Public Health 2017). The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

The County is not considered a highly endemic region for Valley Fever, as the latest report from the California Department of Public Health indicated the County has 4.4 cases per 100,000 people (California Department of Public Health 2017). Similarly, among the total reported incidents of Valley Fever from 2008 through 2017, only 0.8 percent of the cases reported in the County were in in the City's zip code (92064) (County of San Diego 2018).

2.1.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive

land uses) (CARB 2005). The SDAPCD identifies sensitive receptors as those who are especially susceptible to adverse health effects from exposure to TACs, such as children, the elderly, and the ill. Sensitive receptors include schools (grades Kindergarten through 12), day care centers, nursing homes, retirement homes, health clinics, and hospitals within two kilometers of the facility (SDAPCD 2015b). The closest sensitive receptors to the proposed project are residences adjacent to the property boundary.

2.2 Regulatory Setting

2.2.1 Federal Regulations

2.2.1.1 Criteria Air Pollutants

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The EPA is responsible for implementing most aspects of the CAA, including the setting of the National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant standards, approval of state attainment plans, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric O_3 protection, and enforcement provisions.

Under the CAA, NAAQS are established for the following criteria pollutants: O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead. The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires the EPA to reassess the NAAQS at least every five years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

2.2.1.2 Hazardous Air Pollutants

The 1977 federal CAA amendments required the EPA to identify national emission standards for hazardous air pollutants to protect public health and welfare. Hazardous air pollutants include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA amendments, which expanded the control program for hazardous air pollutants, 189 substances and chemical families were identified as hazardous air pollutants.

2.2.2 State Regulations

2.2.2.1 Criteria Air Pollutants

The federal CAA delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the CAA and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The CAAQS describe adverse conditions; that is, pollution levels must be below these standards before a basin can attain the standard. Air quality is considered "in attainment" if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, $PM_{2.5}$, and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. The NAAQS and CAAQS are presented in Table 1.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
O_3	1 hour	0.09 ppm (180 µg/m³)	—	Same as Primary Standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
SO_2[h]	1 hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m³	—	
$PM_{2.5}$[i]	24 hours	—	35 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m³	12.0 µg/m³	15.0 µg/m³
Lead[j,k]	30-day Average	1.5 µg/m³	—	—
	Calendar Quarter	—	1.5 µg/m³ (for certain areas)[k]	Same as Primary Standard
	Rolling 3-Month Average	—	0.15 µg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m³)	—	—
Vinyl chloride[j]	24 hours	0.01 ppm (26 µg/m³)	—	—
Sulfates	24 hours	25 µg/m³	—	—

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70 percent	—	—

Source: CARB 2016b; EPA 2016d.

Notes: O_3 = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

a California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

b National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

f On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm.

g To attain the national 1-hour standard, the three-year average of the annual 98th percentile of the one-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

h On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the three-year average of the annual 99th percentile of the one-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

i On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m³ to 12 µg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over three years.

j California Air Resources Board has identified lead and vinyl chloride as toxic air contaminants with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

k The national standard for lead was revised on October 15, 2008, to a rolling three-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

2.2.2.2 Toxic Air Contaminants

A TAC is defined by California law as an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health. Federal laws use the

hazardous air pollutants to refer to the same types of compounds that are referred to as TACs under state law. California regulates TACs primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588).

AB 1807 sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB can designate a substance as a TAC. Pursuant to AB 2588, existing facilities that emit air pollutants above specified levels were required to (1) prepare a TAC emission inventory plan and report; (2) prepare a risk assessment if TAC emissions were significant; (3) notify the public of significant risk levels; and (4) if health impacts were above specified levels, prepare and implement risk reduction measures.

The following regulatory measures pertain to the reduction of DPM and criteria pollutant emissions from off-road equipment and diesel-fueled vehicles.

Idling of Commercial Heavy Duty Trucks (13 CCR 2485)

In July 2004, CARB adopted an Airborne Toxic Control Measure (ATCM) to control emissions from idling trucks. The ATCM prohibits idling for more than five minutes for all commercial trucks with a gross vehicle weight rating over 10,000 pounds. The ATCM contains an exception that allows trucks to idle while queuing or involved in operational activities.

In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.)

In July 2007, CARB adopted an ATCM for in-use off-road diesel vehicles. This regulation requires that specific fleet average requirements are met for NO_x emissions and for particulate matter emissions. Where average requirements cannot be met, best available control technology requirements apply. The regulation also includes several recordkeeping and reporting requirements.

In response to AB 8 2X, the regulations were revised in July 2009 (effective December 3, 2009) to allow a partial postponement of the compliance schedule in 2011 and 2012 for existing fleets. On December 17, 2010, CARB adopted additional revisions to further delay the deadlines reflecting reductions in diesel emissions due to the poor economy and overestimates of diesel emissions in California. The revisions delayed the first compliance date until no earlier than January 1, 2014, for large fleets, with final compliance by January 1, 2023. The compliance dates for medium fleets were delayed until an initial date of January 1, 2017, and final compliance date of January 1, 2023. The compliance dates for small fleets were delayed until an initial date of January 1, 2019, and final compliance date of January 1, 2028. Correspondingly, the fleet average targets were made more stringent in future compliance years. The revisions also accelerated the phaseout of older equipment with newer equipment added to existing large and medium fleets over time, requiring the addition of Tier 2 or higher engines starting on March 1, 2011, with some exceptions: Tier 2 or higher engines on January 1, 2013, without exception; and Tier 3 or higher engines on January 1, 2018 (January 1, 2023, for small fleets).

On October 28, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulation. The amendments included revisions to the applicability section and additions and revisions to the definition. The initial date for requiring the addition of Tier 2 or higher engines for large and medium fleets, with some exceptions, was revised to January 1, 2012. New provisions also allow for the removal of emission control devices for safety or visibility purposes. The regulation also was amended to combine the particulate matter and NO_x fleet average targets under

one, instead of two, sections. The amended fleet average targets are based on the fleet's NO_x fleet average, and the previous section regarding particulate matter performance requirements was deleted completely. The best available control technology requirements, if a fleet cannot comply with the fleet average requirements, were restructured and clarified. Other amendments to the regulations included minor administrative changes to the regulatory text.

In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025)

On December 12, 2008, CARB adopted an ATCM to reduce NO_x and particulate matter emissions from most in-use on-road diesel trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. The original ATCM regulation required fleets of on-road trucks to limit their NO_x and particulate matter emissions through a combination of exhaust retrofit equipment and new vehicles. The regulation limited particulate matter emissions for most fleets by 2011, and limited NO_x emissions for most fleets by 2013. The regulation did not require any vehicle to be replaced before 2012 and never required all vehicles in a fleet be replaced.

In December 2009, the CARB Governing Board directed staff to evaluate amendments that would provide additional flexibility for fleets adversely affected by the struggling California economy. On December 17, 2010, CARB revised this ATCM to delay its implementation along with limited relaxation of its requirements. Starting on January 1, 2015, lighter trucks with a gross vehicle weight rating of 14,001 to 26,000 pounds with 20-year-old or older engines need to be replaced with newer trucks (2010 model year emissions equivalent as defined in the regulation). Trucks with a gross vehicle weight rating greater than 26,000 pounds with 1995 model year or older engines needed to be replaced as of January 1, 2015. Trucks with 1996 to 2006 model year engines must install a Level 3 (85 percent control) diesel particulate filter starting on January 1, 2012, to January 1, 2014, depending on the model year, and then must be replaced after eight years. Trucks with 2007 to 2009 model year engines have no requirements until 2023, at which time they must be replaced with 2010 model year emissions-equivalent engines, as defined in the regulation. Trucks with 2010 model year engines would meet the final compliance requirements. The ATCM provides a phase-in option under which a fleet operator would equip a percentage of trucks in the fleet with diesel particulate filters, starting at 30 percent as of January 1, 2012, with 100 percent by January 1, 2016. Under each option, delayed compliance is granted to fleet operators who have or will comply with requirements before the required deadlines.

On September 19, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulations, including revisions to the compliance schedule for vehicles with a gross vehicle weight rating of 26,000 pounds or less to clarify that *all* vehicles must be equipped with 2010 model year emissions equivalent engines by 2023. The amendments included revised and additional credits for fleets that have downsized; implement early particulate matter retrofits; incorporate hybrid vehicles, alternative-fueled vehicles, and vehicles with heavy-duty pilot ignition engines; and implement early addition of newer vehicles. The amendments included provisions for additional flexibility, such as for low-usage construction trucks, and revisions to previous exemptions, delays, and extensions. Other amendments to the regulations included minor administrative changes to the regulatory text, such as recordkeeping and reporting requirements related to other revisions.

California Health and Safety Code Section 41700

Section 41700 of the California Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of

any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

2.2.3 Local Regulations

2.2.3.1 San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The proposed project area is located within the SDAB and is subject to the guidelines and regulations of the SDAPCD.

In the County, O_3 and particulate matter are the pollutants of main concern, since exceedances of state ambient air quality standards for those pollutants have been observed in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM_{10}, $PM_{2.5}$, and O_3 standards. The SDAB is also a federal O_3 attainment (maintenance) area for 1997 8-hour O_3 standard, an O_3 nonattainment area for the 2008 8-hour O_3 standard, and a CO maintenance area (western and central part of the SDAB only, including the proposed project area).

Federal Attainment Plans

In December 2016, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County (2008 O_3 NAAQS), which indicated that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard (1997 O_3 NAAQS) by 2018 (SDAPCD 2016a). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS) to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

Currently, the County is designated as moderate nonattainment for the 2008 NAAQS and maintenance for the 1997 NAAQS. As documented in the 2016 8-Hour Ozone Attainment Plan for San Diego County, the County has a likely chance of obtaining attainment due to the transition to low-emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. The County will also continue emission control measures, including ongoing implementation of existing regulations in O_3 precursor reduction to stationary and area-wide sources, subsequent inspections of facilities and sources, and the adoption of laws requiring best available retrofit control technology for control of emissions (SDAPCD 2016a).

State Attainment Plans

Although CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project site is located within the SDAB and is subject to SDAPCD guidelines and regulations.

SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB.

The Regional Air Quality Strategy (RAQS) for the SDAB was initially adopted in 1991 and is updated every 3 years (most recently in 2020). The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O_3. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of development of their general plans.

The 8-Hour Ozone Attainment Plan for San Diego County indicated that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard by 2018 (SDAPCD 2016). In this plan, SDAPCD relied on the RAQS to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these contaminants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS. In response to court decisions, some elements in the 8-hour Ozone Attainment Plan for San Diego County required updates. CARB staff prepared the 2018 Updates to the California State Implementation Plan (SIP) to update SIP elements for nonattainment areas throughout the state. The applicable ozone attainment date for San Diego County is in 2032. The 2020 Ozone Attainment Plan this complies with the Severe Nonattainment Area classification planning requirements and includes demonstrations for attainment of the 75 ppb and 70 ppb ozone standards by 2026 and 2032, respectively. The 2020 Plan includes a regionwide inventory of O_3 forming emissions, a reasonably further progress demonstration showing emissions reductions during the years leading to the attainment dates; an assessment of Reasonably Available Control Technology (RACT) and Reasonably Available Control Measures (RACM); and contingency measures in the event the emissions controls fall short of achieving the needed reductions.

In December 2005, the SDAPCD also prepared a report titled "Measures to Reduce Particulate Matter in San Diego County" to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM_{10} and $PM_{2.5}$). In the report, the SDAPCD evaluates implementation of source-control measures that would reduce PM emissions associated with residential wood combustion (SDAPCD 2005).

SDAPCD Rules and Regulations

As stated above, the SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD and would apply to the proposed project.

SDAPCD Regulation II: Permits; Rule 20.2: New Source Review Non-Major Stationary Sources

This rule requires new or modified stationary source units (that are not major stationary sources) with the potential to emit 10 pounds per day or more of VOC, NO_x, SO_x, or PM_{10} to be equipped with best available control technology. For those units with a potential to emit above Air Quality Impact Assessments Trigger Levels, the units must

demonstrate that such emissions would not violate or interfere with the attainment of any national air quality standard (SDAPCD 2016b).

The proposed project does not propose specific stationary sources. If stationary sources were to be included as part of the proposed project, or at a later date, those sources would be subject to Rule 20.2 and would require appropriate operating permits from the SDAPCD. Because the SDAPCD has not adopted specific criteria air pollutant thresholds for CEQA analyses, the thresholds identified in Rule 20.2 are utilized in this analysis as screening-level thresholds to evaluate project-level impacts, as discussed in Section 2.4.1, Thresholds of Significance.

SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions

This rule prohibits discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes, which is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart (SDAPCD 1997).

Construction of the proposed project may result in visible emissions, primarily during earth-disturbing activities, which would be subject to SDAPCD Rule 50. Although visible emissions are less likely to occur during operation of the proposed project, compliance with SDAPCD Rule 50 would be required during both construction and operational phases.

SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance

This rule prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).

Any criteria air pollutant emissions, TAC emissions, or odors that would be generated during construction or operation of the proposed project would be subject to SDAPCD Rule 51. Violations can be reported to the SDAPCD in the form of an air quality complaint by telephone, email, and online form. Complaints are investigated by the SDAPCD as soon as possible.

SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust

This rule regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project area (SDAPCD 2009b).

Construction of the proposed project, primarily during earth-disturbing activities, may result in fugitive dust emissions that would be subject to SDAPCD Rule 55. Fugitive dust emissions are not anticipated during operation of the proposed project.

SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings

This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015b). Construction and operation of the proposed project would include application of

architectural coatings (e.g., paint and other finishes), which are subject to SDAPCD Rule 67.0.1. Architectural coatings used in the reapplication of coatings during operation of the proposed project would be subject to the VOC content limits identified in SDAPCD Rule 67.0.1, which applies to coatings manufactured, sold, or distributed within the County.

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1200: Toxic Air Contaminants – New Source Review

This rule requires new or modified stationary source units with the potential to emit TACs above rule threshold levels to either demonstrate that they will not increase the maximum incremental cancer risk above one in 1 million at every receptor location; demonstrate that toxics best available control technology will be employed if maximum incremental cancer risk is equal to or less than 10 in 1 million; or demonstrate compliance with the SDAPCD's protocol for those sources with an increase in maximum incremental cancer risk at any receptor location of greater than 10 in 1 million but less than 100 in 1 million (SDAPCD 2017a).

The proposed project does not currently include specific stationary sources that would generate TACs that are not commonly associated with residential and commercial development projects. If stationary sources with the potential to emit TACs were to be included as part of the proposed project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1200, and would be subject to new source review requirements.

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1210: Toxic Air Contaminant Public Health Risks –Public Notification and Risk Reduction

This rule requires each stationary source required to prepare a public risk assessment to provide written public notice of risks at or above the following levels: maximum incremental cancer risks equal to or greater than 10 in 1 million, cancer burden equal to or greater than 1.0, total acute non-cancer health hazard index equal to or greater than 1.0, or total chronic non-cancer health hazard index equal to or greater than 1.0 (SDAPCD 2017b).

The proposed project does not currently include specific stationary sources that would generate TACs. If stationary sources with the potential to emit TACs were to be included as part of the proposed project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1210 and would be subject to public notification and risk reduction requirements.

2.2.3.2 San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how the region will grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050.

In regards to air quality, the Regional Plan sets the policy context in which SANDAG participates in and responds to the air district's air quality plans and builds off the air district's air quality plan processes that are designed to meet

health-based criteria pollutant standards in several ways (SANDAG 2015). First, it complements air quality plans by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in air quality plans. Second, the Regional Plan emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On September 23, 2016, SANDAG's Board of Directors adopted the final 2016 Regional Transportation Improvement Program, which is a multi-billion dollar, multi-year program of proposed major transportation projects in the San Diego region. Transportation projects funded with federal, state, and TransNet (the San Diego transportation sales tax program) must be included in an approved Regional Transportation Improvement Program. The programming of locally funded projects also may be programmed at the discretion of the agency. The 2016 Regional Transportation Improvement Program covers five fiscal years and incrementally implements the Regional Plan (SANDAG 2016).

The 2021 Regional Plan, adopted by SANDAG on December 10, 2021, provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes a Sustainable Communities Strategy (SCS), as required by California Senate Bill 375 (Steinberg, 2008) (SB 375), for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then.

The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

2.2.3.3 Poway Comprehensive Plan: General Plan

The Poway Comprehensive Plan: General Plan (General Plan) includes the following policy and strategies to limit air pollution (City of Poway 1991):

Policy E – Air, Water and Soil Pollution: The City shall work locally and at the regional level to reduce air, water, and soil pollution within Poway.

Strategies

1. Work closely with regional agencies to help control all forms of pollution.
2. Seek to promote a development pattern that reduces daily trips for shopping, school, and recreation.
3. Encourage ridesharing, the use of transit and other transportation systems management programs to reduce the number of vehicle miles traveled and traffic congestion.
4. Consider the use of clean fuel systems for new local government fleet vehicles.

5. Implement plans and programs to phase-in energy conservation improvements.
6. Investigate incentives and regulations to reduce emissions from swimming pools, residential and commercial water heating and heaters.

2.3 Regional and Local Air Quality Conditions

2.3.1 San Diego Air Basin Attainment Designation

Pursuant to the 1990 federal CAA amendments, the EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable." The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on CAAQS rather than the NAAQS. Table 2 depicts the current attainment status of the SDAB with respect to the NAAQS and CAAQS.

Table 2. San Diego Air Basin Attainment Classification

Pollutant	Designation/Classification	
	Federal Standards	State Standards
Ozone (O_3) – 1 hour	Attainment	**Nonattainment**
O_3 – (8 hour)	**Nonattainment (moderate)**	**Nonattainment**
Nitrogen Dioxide (NO_2)	Unclassifiable/attainment	Attainment
Carbon Monoxide (CO)	Attainment (maintenance)	Attainment
Sulfur Dioxide (SO_2)	Unclassifiable/attainment	Attainment
Coarse Particulate Matter (PM_{10})	Unclassifiable/attainment	**Nonattainment**
Fine Particulate Matter ($PM_{2.5}$)	Unclassifiable/attainment	**Nonattainment**
Lead	Unclassifiable/attainment	Attainment
Hydrogen Sulfide	No federal standard	Attainment
Sulfates	No federal standard	Unclassified
Visibility-Reducing Particles	No federal standard	Unclassified
Vinyl Chloride	No federal standard	No designation

Sources: EPA 2016c (federal); CARB 2016c (state).
Notes:
Attainment = meets the standards; Attainment/maintenance = achieve the standards after a nonattainment designation; Nonattainment = does not meet the standards; Unclassified or Unclassifiable = insufficient data to classify; Unclassifiable/attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.
If nonattainment for federal standards, a clarifying classification will be provided indicating the severity of the nonattainment status.

In summary, the SDAB is designated as an attainment area for the 1997 8-hour O_3 NAAQS and as a nonattainment area for the 2008 8-hour O_3 NAAQS. The SDAB is designated as a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$ CAAQS.

The portion of the SDAB where the proposed project would be located is designated as attainment or unclassifiable/unclassified for all other criteria pollutants under the NAAQS and CAAQS.

2.3.2 Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. Local ambient air quality is monitored by the SDAPCD. The SDAPCD operates a network of ambient air monitoring stations throughout the County that measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The nearest SDAPCD-operated monitoring station to the proposed project is the Kearny Villa Road monitoring station, which is located approximately 13 miles south of the project site. This Kearny Villa Road monitoring station was used to show the background ambient air quality for O_3, PM_{10}, $PM_{2.5}$, and NO_2 for the project site. For 2019 and 2020, data for PM_{10} was not available from the Kearny Villa Road monitoring station; the next closest station to the site is the El Cajon monitoring station. The monitoring station located on Rancho Carmel Drive was the closest to the proposed project that monitored CO. For SO_2, the First Street monitoring station was the closest to the project site. Table 3 presents the most recent background ambient air quality data and number of days exceeding the ambient air quality standards from 2018 to 2020.

Table 3. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2018	2019	2020	2018	2019	2020
Ozone (O_3) – Kearney Villa Road									
Maximum 1-hour Concentration	ppm	State	0.09	0.102	0.083	0.123	1	0	2
Maximum 8-hour Concentration	ppm	State	0.070	0.077	0.076	0.102	5	1	12
		Federal	0.070	0.077	0.075	0.102	5	1	10
Nitrogen Dioxide (NO_2) – Kearney Villa Road									
Maximum 1-hour Concentration	ppm	State	0.18	0.045	0.046	0.052	0	0	0
		Federal	0.100	0.045	0.046	0.052	0	0	0
Annual Concentration	ppm	State	0.030	0.008	0.008	0.007	0	0	0
		Federal	0.053	0.008	0.008	0.007	0	0	0
Carbon Monoxide (CO) – Rancho Carmel									
Maximum 1-hour Concentration	ppm	State	20	1.9	4.1	3.3	0	0	0
		Federal	35	1.9	4.1	3.3	0	0	0
Maximum 8-hour Concentration	ppm	State	9.0	1.4	2.5	1.7	0	0	0
		Federal	9	1.4	2.5	1.7	0	0	0
Sulfur Dioxide (SO_2) – First Street									
Maximum 1-hour Concentration	ppm	Federal	0.075	0.004	0.0008	0.002	0	0	0
Maximum 24-hour Concentration	ppm	State	0.04	0.0004	0.0003	0.0004	0	0	0
	ppm	Federal	0.140	0.0004	0.0003	0.0004	0	0	0

Table 3. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2018	2019	2020	2018	2019	2020
Annual Concentration	ppm	Federal	0.030	0.0001	0.0001	0.0001	0	0	0
Coarse Particulate Matter (PM_{10})[a] – Kearney Villa Road (2018), El Cajon (2019, 2020)									
Maximum 24-hour Concentration	µg/m3	State	50	38	37	55	0.0 (0)	0.0 (0)	0.0 (0)
		Federal	150	38	37	55	0.0 (0)	0.0 (0)	0.0 (0)
Annual Concentration	µg/m3	State	20	18.4	—	—	0	—	—
Fine Particulate Matter ($PM_{2.5}$)[a] – Kearney Villa Road									
Maximum 24-hour Concentration	µg/m3	Federal	35	32.2	16.2	47.5	0.0 (0)	0.0 (0)	5.8 (2)
Annual Concentration	µg/m3	State	12	8.3	7.0	8.7	0	0	0
		Federal	12.0	8.3	7.0	8.7	0	0	0

Sources: CARB 2022; EPA 2022a.

Notes: ppm = parts per million; µg/m3 = micrograms per cubic meter; — = not available.

Data taken from CARB iADAM (http://www.arb.ca.gov/adam) and Environmental Protection Agency AirData (http://www.epa.gov/airdata/) represent the highest concentrations experienced over a given year.

Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O_3, annual PM_{10}, or 24-hour SO_2, nor is there a state 24-hour standard for $PM_{2.5}$.

[a] Measurements of PM_{10} and $PM_{2.5}$ are usually collected every six days and every one to three days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

2.4 Significance Criteria and Methodology

2.4.1 Thresholds of Significance

The significance criteria used to evaluate the project impacts to air quality is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this air quality analysis, a significant impact would occur if the project would (14 CCR 15000 et seq.):

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the project would have a significant impact on air quality.

As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources (SDAPCD 2016c). The SDAPCD sets forth quantitative emissions thresholds below which a stationary source would not have a significant impact on ambient air quality. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 4 are exceeded.

Table 4. San Diego Air Pollution Control District Air Quality Significance Thresholds

Construction Emissions			
Pollutant	Total Emissions (Pounds per Day)		
Respirable Particulate Matter (PM_{10})	100		
Fine Particulate Matter ($PM_{2.5}$)	55		
Oxides of Nitrogen (NO_x)	250		
Oxides of Sulfur (SO_x)	250		
Carbon Monoxide (CO)	550		
Volatile Organic Compounds (VOCs)	75[a]		
Operational Emissions			
	Total Emissions		
Pollutant	Pounds per Hour	Pounds per Day	Tons per Year
PM_{10}	—	100	15
$PM_{2.5}$	—	55	10
NO_x	25	250	40
SO_x	25	250	40
CO	100	550	100
Lead and Lead Compounds	—	3.2	0.6
VOCs	—	75[a]	13.7

Sources: SDAPCD 1995; SDAPCD 2016b.
Notes: — = not available.
[a] VOC threshold based on the threshold of significance for VOCs from the South Coast Air Quality Management District for the Coachella Valley as stated in the San Diego County Guidelines for Determining Significance.

The thresholds listed in Table 4 represent screening-level thresholds that can be used to evaluate whether project-related emissions could cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 4, the proposed project could have the potential to result in a cumulatively considerable net increase in these pollutants and, thus, could have a significant impact on the ambient air quality.

With respect to odors, SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments, provides guidance with which to perform health risk assessments (HRAs) within the SDAB. The current SDAPCD thresholds of significance for TAC emissions from the operations of both permitted and non-

permitted sources are combined and are less than 10 in 1 million for cancer and less than one for the chronic hazard index (SDAPCD 2015c).

2.4.2 Approach and Methodology

2.4.2.1 Construction

Emissions from the construction phase of the proposed project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0 (CAPCOA 2021).

As described in Section 1.2, Project Description, the proposed project would develop 63 single-family homes. For the purposes of modeling, it was assumed that construction of the proposed project would commence in February 2024[3] and would last approximately 29 months, ending in June 2026. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Demolition – two months
- Site Preparation – one month
- Grading – 6 months
- Paving – 3 months
- Building Construction – 18 months
- Architectural Coating – 15 months

The majority of the phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the project applicant. Detailed construction equipment modeling assumptions are provided in Appendix A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the proposed project is based on information provided by the project applicant and is shown in Table 5.

Table 5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition	16	4	40	Concrete/Industrial Saws	1	8
				Excavators	3	8
				Rubber Tired Dozers	2	8

[3] The analysis assumes a construction start date of February 2024, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site Preparation	18	4	0	Rubber Tired Dozers	3	8
				Tractors/Loaders/ Backhoes	4	8
Grading	20	4	0	Excavators	2	8
				Graders	1	8
				Rubber Tired Dozers	1	8
				Scrapers	2	8
				Tractors/Loaders/ Backhoes	2	8
Paving	16	4	0	Pavers	2	8
				Paving Equipment	2	8
				Rollers	2	8
Building Construction	46	16	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/ Backhoes	3	7
				Welders	1	8
Architectural Coating	10	4	0	Air Compressors	1	6

Note: See Appendix A for details.

For the analysis, it was assumed that heavy construction equipment would be operating five days per week (22 days per month) during proposed project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips.

There will be removal of three existing houses as represented in the demolition phase. Proposed project construction grading would be balanced on site and no import or export of soils would occur. It is anticipated that earth movement would be primarily, if not completely, accomplished using off-road equipment (e.g., scrapers and excavators); however, on-site truck trips were conservatively assumed in the event cut and fill would be transported via trucks within the site boundary.

Construction of proposed project components would be subject to SDAPCD Rule 55, Fugitive Dust Control, which requires that proposed construction include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009b). Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during proposed grading and construction activities.

A detailed depiction of the construction schedule—including information regarding subphases and equipment used during each subphase—is included in Appendix A of this report. The information contained in Appendix A was used as CalEEMod model inputs.

Health Risk Assessment

As a precautionary measure, an HRA was performed to assess the impact of construction on sensitive receptors proximate to the project site (provided as Appendix B). This report includes an HRA associated with emissions from construction of the proposed project based on the methodologies prescribed in the Office of Environmental Health Hazard Assessment (OEHHA) document, Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA Guidelines) (OEHHA 2015). To implement the OEHHA Guidelines based on proposed project information, the SDAPCD has developed a three-tiered approach where each successive tier is progressively more refined, with fewer conservative assumptions. The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (SDAPCD 2022), provides guidance with which to perform HRAs within the SDAB.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Additionally, some TACs increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. The SDAPCD recommends a Chronic Hazard Index significance threshold of one (project increment). The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment. The HRA for the proposed project evaluated the risk to future residents from diesel emissions from exhaust from on-site construction equipment and diesel haul and vendor trucks.

The dispersion modeling of DPM was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which is the model SDAPCD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain (EPA 2018). For the proposed project, AERMOD was run with all sources emitting unit emissions (one gram per second) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations were determined for construction emissions using AERMOD and the maximum concentrations determined for the one-hour and period-averaging periods. Principal parameters of this modeling are presented in Table 6.

Table 6. AERMOD Principal Parameters

Parameter	Details
Meteorological Data	The latest three-year meteorological data (2014–2016) for the Kearny Villa Road Station from SDAPCD were downloaded and then input to AERMOD.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. However, based on the SDAPCD guidelines, the rural dispersion option was selected due to the proposed project's proximity to the ocean.

Table 6. AERMOD Principal Parameters

Parameter	Details
Terrain Characteristics	The terrain in the vicinity of the modeled project site is generally flat. The elevation of the modeled site is about 450 to 600 feet above sea level. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.
Elevation Data	Digital elevation data were imported into AERMOD, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with a 10-meter resolution.
Emission Sources and Release Parameters	Air dispersion modeling of DPM from construction equipment was conducted using emissions estimated using the CalEEMod, assuming emissions would occur eight hours per day, five days per week. The proposed project area was modeled as a series of line-volume sources.
Source Release Characterizations	The source release height was assumed to be 3.4 meters with plume height of 6.8 meters and width of 8.6 meters per volume source (EPA 2018).
Discrete Receptors	A course uniform cartesian grid was placed over receptors around the project site. A fine cartesian grid of 20-meter spacing was placed over the most impacted area. Discrete receptors were placed on residential receptors outside of the cartesian grids.

Notes: AERMOD = American Meteorological Society/EPA Regulatory Model; SDAPCD = San Diego Air Pollution Control District; DPM = diesel particulate matter; CalEEMod = California Emissions Estimator Model.
See Appendix B for additional information.

Dispersion model plotfiles from AERMOD were then imported into CARB's Hotspots Analysis and Reporting Program Version 2 to determine health risk, which requires peak one-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. For the residential health risk, the HRA assumes exposure would start in the third trimester of pregnancy. The results of the HRA are provided in Section 2.5, Impact Analysis, and detailed results and methodology are provided in Appendix B.

2.4.2.2 Operation

Emissions from the operational phase of the proposed project were estimated using CalEEMod. Operational year 2026 was assumed as it would be the first year following completion of proposed construction.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The project would not include wood burning stoves or hearths. Natural gas was assumed for stoves and hearths.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2021). Consumer product VOC emissions for the buildings are estimated in CalEEMod based on the floor area of buildings and on the

default factor of pounds of VOC per building square foot per day. Consumer products associated with the parking lot and other asphalt surfaces include degreasers, which were estimated based on the square footage of the parking lot and the default factor of pounds of VOC per square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from the application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emissions factor is based on the VOC content of the surface coatings, and SDAPCD's Rule 67.0.1 (Architectural Coatings) governs the VOC content for interior and exterior coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015b). The proposed project would use architectural coatings that would not exceed 50 grams per liter for interior applications and 100 grams per liter for exterior applications consistent with SDAPCD Rule 67.0.1. The model default reapplication rate of 10 percent of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75 percent assumed for interior coating and 25 percent assumed for exterior surface coating (CAPCOA 2017).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

Mobile Sources

Following the completion of construction activities, the proposed project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the residents and patrons at the commercial uses of the proposed project. The maximum weekday trip rates were taken from the Transportation Impact Study prepared for the project (Intersecting Metrics 2022a). The estimated weekday vehicle miles traveled (VMT) for the proposed project were based off the Transportation Impact Study. The weekend trip rates were adjusted based on CalEEMod default trip rates. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within the CalEEMod. Emission factors representing the vehicle mix and emissions for 2026 were used to estimate emissions associated with vehicular sources.

2.5 Impact Analysis

Threshold AQ-1. Would the proposed project conflict with or obstruct implementation of the applicable air quality plan?

As mentioned in Section 2.2.3, Local Regulations, the SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the basin—specifically, the SIP and RAQS.[4] The federal O_3 maintenance plan, which is part of the SIP, was adopted in 2012. The most recent O_3 attainment plan was adopted in 2016. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated on a triennial basis (most recently in 2016). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O_3. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County as a whole and the cities in the County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans.

If a project proposes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality. The project site is designated as Residential Single Family 7 (RS-7) (City of Poway 1991). Therefore, the proposed project would be consistent with the land use zoning for the site.

Implementation of the proposed project would result in an increase in 63 residential units. SANDAG's 2021 Regional Plan, was adopted on December 10, 2021 and is the current growth forecast; it estimates that the City would have 17,092 units in 2025 and 18,017 units in 2035 (SANDAG 2021). This would equate to an additional 93 units per year from 2025 to 2035. The proposed project is expected to bring 63 units to market in 2026. Therefore, while the proposed project would be consistent with the current land use designation for the site, the proposed project would not conflict with SANDAG's regional growth forecast for the City, which accounts for residential growth in the City.

While the SDAPCD and City do not provide guidance regarding the analysis of impacts associated with air quality plan conformance, the County's Guidelines for Determining Significance and Report and Format and Content Requirements – Air Quality does discuss conformance with the RAQS (County of San Diego 2007). The guidance indicates that if a project, in conjunction with other projects, contributes to growth projections that would not exceed SANDAG's growth projections for the City, the project would not be in conflict with the RAQS (County of San Diego 2007). As previously discussed, the proposed project would not contribute to growth in the region that is not already accounted for. Therefore, impacts would be **less than significant**.

Mitigation Measures

No mitigation would be required.

[4] For the purpose of this discussion, the relevant federal air quality plan is the ozone maintenance plan (SDAPCD 2012). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

Level of Significance After Mitigation

The proposed project impacts would be less than significant prior to mitigation.

Threshold AQ-2. ***Would the proposed project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?***

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (worker vehicle trips). Construction emissions can vary substantially day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions.

Criteria air pollutant emissions associated with construction activity were quantified using CalEEMod. Default values provided by the program were used where detailed proposed project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.4.2.1, Construction. The information contained in Appendix A was used as CalEEMod inputs.

Implementation of the proposed project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, asphalt pavement application, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. The proposed project would be subject to SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the proposed project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities.

Exhaust from internal combustion engines used by construction equipment and worker vehicles would result in emissions of VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. The application of asphalt pavement and architectural coatings would also produce VOC emissions.

Table 7 shows the estimated maximum daily construction emissions associated with construction of the proposed project without mitigation. Complete details of the emissions calculations are provided in Appendix A.

Table 7. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
2024	4.83	45.30	48.39	0.10	6.44	3.62

Table 7. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
2025	4.38	20.04	29.17	0.05	1.51	0.98
2026	4.37	12.58	16.21	0.03	1.09	0.63
Maximum	**4.83**	**45.30**	**48.39**	**0.10**	**6.44**	**3.62**
SDAPCD Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SDAPCD = San Diego Air Pollution Control District; CalEEMod = California Emissions Estimator Model.
See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. Although not considered mitigation, these emissions reflect the CalEEMod "mitigated" output, which accounts for the required compliance with SDAPCD Rule 55 (Fugitive Dust) and Rule 67.0.1 (Architectural Coatings).

As shown in Table 7, daily construction emissions would not exceed the significance thresholds. Therefore, impacts during construction would be **less than significant**.

Operational Emissions

Operation of the proposed project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources (vehicle trips), area sources (consumer products, landscape maintenance equipment), and energy sources. As discussed in Section 2.4.2.2, Operation, pollutant emissions associated with long-term operations were quantified using CalEEMod. Project-generated mobile source emissions were estimated in CalEEMod based on project-specific trip rates and VMT. CalEEMod default values were used to estimate emissions from the proposed project area and energy sources.

Table 8 presents the maximum daily area, energy, and mobile source emissions associated with operation (Year 2026) of the proposed project. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emission calculations are provided in Appendix A.

Table 8. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
Area	2.97	1.10	5.64	0.01	0.11	0.11
Energy	0.04	0.34	0.15	0.00	0.03	0.03
Mobile	1.51	1.48	12.89	0.03	3.02	0.82
Total	**4.52**	**2.92**	**18.68**	**0.04**	**3.16**	**0.96**
SDAPCD Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM10 = coarse particulate matter; PM2.5 = fine particulate matter; SDAPCD = San Diego Air Pollution Control District; CalEEMod = California Emissions Estimator Model.
See Appendix A for complete results.

Negative values are presented in parentheses.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. These emissions reflect the CalEEMod "mitigated" output, which accounts for compliance with SDAPCD Rule 67.0.1 (Architectural Coatings).

As shown in Table 8, the combined daily area, energy, and mobile source emissions would not exceed the SDAPCD's operational thresholds for VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. The SDAB is a nonattainment area for O_3 under the NAAQS and CAAQS. The poor air quality in the SDAB is the result of cumulative emissions from motor vehicles, off-road equipment, commercial and industrial facilities, and other emission sources. Projects that emit these pollutants or their precursors (i.e., VOCs and NO_x for O_3) potentially contribute to poor air quality. In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less-than-significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, a project would only be considered to have a significant cumulative impact if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions in the basin to ensure the SDAB continues to make progress toward NAAQS- and CAAQS-attainment status. As such, cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents upon which the RAQS is based would have the potential to result in cumulative operational impacts if they represent development and population increases beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the basin. As discussed previously, the proposed project would not exceed significance thresholds during construction or operation.

Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and the County as part of the development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As stated previously, the proposed project would be consistent with the existing zoning and land use designation for the site and would not result in significant regional growth that is not accounted for within the RAQS. As a result, the proposed project would not result in a cumulatively considerable contribution to regional O_3 concentrations or other criteria pollutant emissions. Cumulative impacts would be **less than significant** during construction and operation.

Mitigation Measures

No mitigation would be required.

Level of Significance After Mitigation

The proposed project impacts would be less than significant prior to mitigation.

Threshold AQ-3. Would the proposed project expose sensitive receptors to substantial pollutant concentrations?

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts upon those persons termed "sensitive receptors" are the most serious hazards of existing air quality conditions in the area. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by CARB (2005), include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. As such, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes. The closest sensitive receptors to the proposed project are residences adjacent to the property boundaries. The proposed project would also introduce new on-site sensitive receptors (residences) to the area.

Health Impacts of Toxic Air Contaminants

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology (OEHHA 2015). In addition, some TACs have noncarcinogenic effects. TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB ATCMs to reduce DPM emissions. According to the OEHHA, HRAs should be based on a 30-year exposure duration based on typical residency period; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of proposed construction activities (approximately 29 months) would only constitute a small percentage of the total long-term exposure period and would not result in exposure of proximate sensitive receptors to substantial TACs. After proposed construction is completed, there would be no long-term source of TAC emissions during operation.

However, as a precautionary measure an HRA was performed to evaluate the risk from diesel exhaust emissions on existing sensitive receptors from construction activities. The HRA methodology was described in Section 2.4.2.1, and the detailed assessment is provided in Appendix B. Table 9 summarizes the results of the HRA for proposed project construction.

Table 9. Construction Activity Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	133.2	10.0	**Potentially Significant**
HIC	Not Applicable	0.08	1.0	Less than Significant

Source: Appendix B
Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results of the HRA demonstrate that the TAC exposure from construction diesel exhaust emissions would result in cancer risk on site above the 10 in 1 million threshold, as well as Chronic Hazard Index less than one. Therefore, TAC

emissions from operation of the proposed project may expose sensitive receptors to substantial pollutant concentrations and would result in a **potentially significant** impact.

Health Impacts of Carbon Monoxide

As described previously, exposure to high concentrations of CO can result in dizziness, fatigue, chest pain, headaches, and impairment of central nervous system functions. Mobile-source impacts, including those related to CO, occur on two scales. Regionally, project-related construction travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SDAB. Locally, construction traffic would be added to the roadway system in the vicinity of the project site. Although the SDAB is currently an attainment area for CO, there is a potential for the formation of microscale CO "hotspots" to occur immediately around points of congested traffic. Hotspots can form if such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and/or is operating on roadways already crowded with non-project traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing. The SDAB is a CO maintenance area (western and central part of the SDAB only).

The Governor's Office of Planning and Research and the California Natural Resources Agency have issued new CEQA Guidelines for analyzing transportation impacts. By July 1, 2020, all CEQA lead agencies must analyze a project's transportation impacts using vehicle-miles traveled (VMT). Vehicle-miles traveled measures the distances vehicles will travel to and from a project, rather than congestion levels at intersections (level of service (LOS), graded on a scale of A–F). To account for this shift from LOS to vehicle-miles traveled – such that vehicle congestion is no longer modeled and available – but to nonetheless evaluate the potential for CO hotspots for the hypothetical development scenario, this analysis utilizes CO modeling analyses performed by the South Coast Air Quality Management District (SCAQMD) relative to 1-hour and 8-hour concentrations as follows.

The SCAQMD conducted CO modeling for the 2003 Air Quality Management Plan (Appendix V of SCAQMD 2003) for the four worst-case intersections in the South Coast Air Basin: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 Air Quality Management Plan was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue.

A daily traffic volume of 100,000 vehicles (as considered in the SCAQMD modeling) as a result of the proposed project, would be at multiple times the traffic volumes of nearby intersections (Intersecting Metrics 2022b). However, if "peak" modeled 1-hour concentration from SCAQMD's analysis of 100,000 vehicle traffic volumes of the 4.6 ppm were added to the maximum 1-hour CO concentration from 2018 through 2020 at the San Diego – 11403 Rancho Carmel Drive monitoring station (see Table 3, Local Ambient Air Quality Data) of 4.1 ppm (in 2019), the 1-hour CO concentration in the project area would total 8.7 ppm. This "worst case scenario" – modeling at least double the traffic compared to that experienced in the proposed project area – would still result in 1-hour CO concentrations well below the CAAQS 1-hour CO threshold of 20 ppm.

Concerning 8-hour concentrations, SCAQMD modeled future year 8-hour CO concentrations at the Central Los Angeles monitoring site of 4.6 ppm in 2020. Adding the 4.6 ppm to the maximum 8-hour CO concentration from 2018 through 2020 at the San Diego – 11403 Rancho Carmel Drive monitoring station (see Table 3, Local Ambient Air Quality Data)

of 2.5 ppm (in 2019) would result in a total 8-hour CO concentration of 7.1 ppm. Again, this "worst case scenario" 8-hour CO concentration assuming traffic counts far above that experienced in the proposed project area would still be well below the CAAQS 8-hour threshold of 9.0 ppm.

Said another way, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would cause area traffic volumes to exceed 100,000 vehicles per day. The proposed project would not increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day (Intersecting Metrics 2022b). Therefore, the proposed project is not anticipated to create a CO hotspot. As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the project and hypothetical development scenario's contribution to cumulative traffic-related air quality impacts would be less than significant.

Health Impacts of Other Criteria Air Pollutants

Construction and operation of the proposed project would not result in emissions that exceed the SDAPCD's emission thresholds for any criteria air pollutants. Regarding VOCs, some VOCs are associated with motor vehicles and construction equipment, while others are associated with architectural coatings, the emissions of which would not result in the exceedances of the SDAPCD's thresholds. Generally, the VOCs in architectural coatings are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

In addition, VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by the EPA as an attainment area for the 1-hour O_3 NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O_3, as discussed in Section 2.1.2, Pollutants and Effects, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SDAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur, because exceedances of the O_3 ambient air quality standards tend to occur between April and October when solar radiation is highest.

The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, the VOC and NO_x emissions associated with proposed project construction and operations could minimally contribute to regional O_3 concentrations and the associated health impacts. Due to the minimal contribution during construction and operation, as well as the existing good air quality in Coastal San Diego areas, health impacts would be considered less than significant.

Regarding NO_2, according to the construction emissions analysis, construction of the proposed project would not contribute to exceedances of the NAAQS and CAAQS for NO_2. As described in Section 2.1.2, health impacts from exposure to NO_2 and NO_x are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term. Additionally, off-road construction equipment would operate at various portions of the site and would not be concentrated in one portion of the site at any one time. Construction of the proposed project would not require any stationary emission sources that would create substantial, localized NO_x impacts. Therefore, health impacts would be considered less than significant.

The VOC and NO_x emissions, as described previously, would minimally contribute to regional O_3 concentrations and its associated health effects. In addition to O_3, NO_x emissions would not contribute to potential exceedances of the NAAQS and CAAQS for NO_2. As shown in Table 3, Local Ambient Air Quality Data, the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Thus, it is not expected that the proposed project's operational NO_x emissions would result in exceedances of the NO_2 standards or contribute to the associated health effects. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to significant health effects associated with this pollutant. Likewise, PM_{10} and $PM_{2.5}$ would not contribute to potential exceedances of the NAAQS and CAAQS for particulate matter, would not obstruct the SDAB from coming into attainment for these pollutants, and would not contribute to significant health effects associated with particulates.

Based on the preceding considerations, health impacts associated with criteria air pollutants would be less than significant.

Mitigation Measures

The following mitigation measure is provided to reduce the emissions of DPM emissions during construction.

MM-AQ-1 During project construction, the City of Poway shall ensure that the project contractor adheres to the following measures to reduce diesel particulate emissions, including, but not limited to:

a. All construction equipment greater than 50 horsepower shall be equipped with Tier 4 Interim diesel engines or better. Engines less than 50 horsepower shall be powered by electricity or natural gas (or other alternative fuel).
b. The engine size of construction equipment shall be the minimum size suitable for the required job.
c. The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest number is operating at any one time.
d. Construction equipment shall be maintained in tune per the manufacturer's specifications.
e. The prime contractor will provide the City of Poway verification of equipment type used during construction.

Level of Significance After Mitigation

Construction of proposed project components would require use of heavy-duty construction equipment, which is subject to a CARB ATCM for in-use diesel construction equipment to reduce diesel particulate emissions, and would involve use of diesel trucks, which are also subject to an ATCM. The implementation of **MM-AQ-1** would reduce the emissions of DPM during construction. The results of the HRA during construction with mitigation are provided in Table 10.

Table 10. Construction Activity Health Risk Assessment Results – Mitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	9.9	10.0	Less than Significant
HIC	Not Applicable	0.006	1.0	Less than Significant

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results of the construction analysis demonstrate that the mitigated construction emissions exhibit cancer risk below the 10 in 1 million threshold and below the Chronic Hazard Index threshold. The project construction TACs impact from DPM emissions would be reduced to **less than significant** with mitigation.

Threshold AQ-4. Would the proposed project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Section 41700 of the California Health and Safety Code and SDAPCD Rule 51 (Public Nuisance), prohibit emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. Projects required to obtain permits from SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance.

SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective by the nature of odors themselves and due to the fact that their measurements are difficult to quantify. As a result, this guideline is qualitative and will focus on the existing and potential surrounding uses and location of sensitive receptors.

The occurrence and severity of potential odor impacts depends on numerous factors: the nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying, cause distress among the public, and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the proposed project. Potential odors produced during proposed construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant**.**

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project includes residential uses and would not include land uses associated with odors. Therefore, proposed project operations would result in an odor impact that would be less than significant.

Mitigation Measures

No mitigation would be required.

Level of Significance After Mitigation

The proposed project impacts would be less than significant prior to mitigation.

3 Greenhouse Gas Emissions

3.1 Environmental Setting

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate—such as temperature, precipitation, or wind patterns—lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the Sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017a).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: short-wave radiation emitted by the Sun is absorbed by the Earth; the Earth emits a portion of this energy in the form of long-wave radiation; and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-20th century and is the most significant driver of observed climate change (EPA 2017a; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system (as discussed further in Section 3.3.2, Potential Effects of Climate Change).

3.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. GHGs include, but are not limited to, CO_2, CH_4, nitrous oxide (N_2O), O_3, water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).[5] Some GHGs—such as CO_2, CH_4, and N_2O—occur naturally and are emitted to the atmosphere through natural processes and

[5] California Health and Safety Code 38505 identifies seven GHGs that CARB is responsible for monitoring and regulating to reduce emissions: CO_2, CH_4, N_2O, SF_6, HFCs, PFCs, and nitrogen trifluoride.

human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases (e.g., HFCs, HCFCs, PFCs, and SF_6), which are associated with certain industrial products and processes. A summary of the most common GHGs and their sources is included in the following text.[6] Also included is a discussion of other climate-forcing substances.

Carbon Dioxide. CO_2 is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are from the combustion of fuels (e.g., coal, oil, natural gas, and wood) and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. CH_4 is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers; manure management; industrial processes, such as in nitric acid production, nylon production, and fossil-fuel-fired power plants; vehicle emissions; and using N_2O as a propellant (such as in rockets, race cars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric O_3-depleting substances (e.g., chlorofluorocarbons [CFCs], HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to O_3-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as byproducts of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, along with HFCs, to O_3-depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF_6 is a colorless gas that is soluble in alcohol and ether and slightly soluble in water. SF_6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** Nitrogen trifluoride is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

[6] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (1995), IPCC Fourth Assessment Report (2007), CARB's Glossary of Terms Used in GHG Inventories (IPCC 2015), and the EPA's Glossary of Climate Change Terms (EPA 2016e).

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere), and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds with a structure very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter ($PM_{2.5}$), which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is short lived and varies spatially, which makes it difficult to quantify its global warming potential (GWP). DPM emissions are a major source of black carbon and are TACs that have been regulated and controlled in California for several decades to protect public health. In relation to declining DPM from CARB's regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70 percent between 1990 and 2010, with 95 percent control expected by 2020 (CARB 2014a).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, which is created by the interaction between solar ultraviolet radiation and molecular oxygen, plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2016e). The Intergovernmental Panel on Climate Change (IPCC) developed the GWP concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of one kilogram of a trace substance relative to that of one kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of carbon dioxide equivalent (CO_2e).

The current version of CalEEMod (Version 2020.4.0) assumes that the GWP for CH_4 is 25 (so emissions of one MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the proposed project.

3.2 Regulatory Setting

3.2.1 Federal Regulations

Infrastructure Investment and Jobs Act

On November 6, 2021, Congress passed the Bipartisan Infrastructure Deal (Infrastructure Investment and Jobs Act), a once-in-a-generation investment in our nation's infrastructure and competitiveness. This Bipartisan Infrastructure Deal will rebuild America's roads, bridges and rails, expand access to clean drinking water, ensure every American has access to high-speed internet, tackle the climate crisis, advance environmental justice, and invest in communities that have too often been left behind. The legislation will help ease inflationary pressures and strengthen supply chains by making long overdue improvements for our nation's ports, airports, rail, and roads. It will drive the creation of good-paying union jobs and grow the economy sustainably and equitably so that everyone gets ahead for decades to come. Combined with the President's Build Back Framework, it will add on average 1.5 million jobs per year for the next 10 years. It will improve transportation options for millions of Americans to reduce energy use and GHG emissions. It will increase investment in electric vehicle chargers and renewable energy production.

Executive Order on Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability. President Biden will sign an executive order that demonstrates how the United States will leverage its scale and procurement power to lead by example in tackling the climate crisis. The executive order will reduce emissions across federal operations, invest in American clean energy industries and manufacturing, and create clean, healthy, and resilient communities. The President's executive order directs the federal government to use its scale and procurement power to achieve five ambitious goals:

- 100 percent carbon pollution-free electricity (CFE) by 2030, at least half of which will be locally supplied clean energy to meet 24/7 demand;
- 100 percent zero-emission vehicle (ZEV) acquisitions by 2035, including 100 percent zero-emission light-duty vehicle acquisitions by 2027;
- Net-zero emissions from federal procurement no later than 2050, including a Buy Clean policy to promote use of construction materials with lower embodied emissions;
- A net-zero emissions building portfolio by 2045, including a 50 percent emissions reduction by 2032; and
- Net-zero emissions from overall federal operations by 2050, including a 65 percent emissions reduction by 2030.

Massachusetts v. EPA. In *Massachusetts v. Environmental Protection Agency (EPA)* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The Administrator found that elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations. This is the "endangerment finding."
- The Administrator further found the combined emissions of GHGs—CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions:

1. Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
2. Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
3. Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards.

In August 2016, EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018–2027 for certain trailers, and model years 2021–2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons (MT) and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

On September 27, 2019, the EPA and NHTSA also published their Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program (84 FR 51,310), which became effective November 26, 2019. The Part One Rule revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the EPA and NHTSA also issued Part Two of the SAFE Rule, which went into effect June 29, 2020 (85 FR 24174). The Part Two Rule set CO_2 emissions standards and corporate average fuel economy

standards for passenger vehicles and light duty trucks for model years 2021 through 2026. On January 20, 2021, President Joe Biden issued an Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, which includes review of the Part One Rule by April 2021 and review of the Part Two Rule by July 2021 (The White House 2021).On April 22, 2021, NHTSA issued a notice of proposed rulemaking that would repeal those portions of SAFE 1 (including the regulatory text and interpretive statements in the preamble) that found California's GHG and ZEV mandates preempted by EPCA. One day after NHTSA issued its notice, EPA announced its parallel action on SAFE 1. On December 21, 2021, after reviewing all the public comments submitted on NHTSA's April 2021 Notice of Proposed Rulemaking, NHTSA finalizes the CAFE Preemption rulemaking to withdraw its portions of the so-called SAFE I Rule.

3.2.2 State Regulations

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes executive orders, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

Executive Order S-3-05. Executive Order (EO) S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

Assembly Bill 32. In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

Executive Order B-55-18. EO B-55-18 (September 2018) establishes a statewide policy for the state to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the state's GHG emissions. CARB will work with relevant state agencies to ensure that future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

California Air Resources Board's Climate Change Scoping Plan. One specific requirement of AB 32 was for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emissions limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.

3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (17 CCR 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations, and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years, and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the IPCC, from 427 MMT CO_2e to 431 MMT CO_2e (CARB 2014).

In 2015, as directed by EO B-30-15 (discussed below), CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of SB 32.

In December 2017, CARB adopted California's 2017 Climate Change Scoping Plan (2017 Scoping Plan) for public review and comment (CARB 2017b). The 2017 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the state's climate change priorities to 2030 and beyond. The strategies' commitments include implementing renewable energy and energy efficiency strategies (including the mandates of SB 350), increasing stringency of the Low Carbon Fuel Standard, implementing measures identified in the Mobile Source and Freight Strategies, implementing measures identified in the

proposed Short-Lived Climate Pollutant Reduction Strategy, and increasing stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program.

For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15% reduction goal with a recommendation to aim for a community-wide goal of no more than 6 MT CO_2e per capita by 2030, and no more than 2 MT CO_2e per capita by 2050, which are consistent with the state's long-term goals. These goals are also consistent with the Under 2 Memorandum of Understanding (Under 2 2016) and the Paris Agreement, which are developed around the scientifically based levels necessary to limit global warming to below 2°C. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through CAPs) and provided more information regarding tools CARB is working on to support those efforts. It also recognized the CEQA streamlining provisions for project-level review where there is a legally adequate CAP.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32, SB 32, and the executive orders, and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. A project is considered consistent with the statutes and executive orders if it meets the general policies in reducing GHG emissions to facilitate the achievement of the state's goals and does not impede attainment of those goals. A project would be consistent if it will further the objectives and not obstruct their attainment.

CARB presently is preparing the *2022 Scoping Plan Update*, which will assess progress towards achievement of the state's 2030 reduction target and lay out a path for the state's achievement of carbon neutrality by 2045. CARB has held a number of public workshops to provide information on the plan update and solicit feedback from stakeholders. A draft plan has not yet been released for public review and comment.

Executive Order B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 specifically set an interim target goal of reducing statewide GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. To facilitate achievement of this goal, EO B-30-15 called for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO_2e. The executive order also called for state agencies to continue to develop and implement GHG emissions reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016. EO B-30-15 did not require local agencies to take any action to meet the new interim GHG reduction target.

Senate Bill 32 and Assembly Bill 197. SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction targets, made changes to CARB's membership and increased legislative oversight of CARB's climate change-based activities, and expanded dissemination of GHG and other air-quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

Senate Bill 605 and Senate Bill 1383. SB 605 (2014) required CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) required CARB to approve and implement that strategy by January 1, 2018. SB 1383 also established specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH_4 and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provided direction for reductions from dairy and livestock operations and landfills. The Short-Lived Climate Pollutants Reduction Strategy was approved by CARB in March 2017, and lays out a range of options to reduce short-lived climate pollutant emissions in California, including regulations, incentives, and other market-supporting activities.

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Although not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and CEC, and revised if necessary (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry and the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to prior standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018). The project is subject to the nonresidential standards due to the number of stories. The project's apartments and affordable flats are subject to the nonresidential standards while the rowhomes and villas are subject to the residential standards.

On August 11, 2021, the CEC adopted the 2022 Energy Code. In December 2021, it was approved by the California Building Standards Commission for inclusion into the California Building Standards Code. The 2022 Energy Code encourages efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, strengthens ventilation standards, and more. Buildings whose permit applications are applied for on or after January 1, 2023, must comply with the 2022 Energy Code.

Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California's Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and

state-owned buildings, schools, and hospitals. The CALGreen 2019 standards, which are the current standards, became effective January 1, 2020.

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Assembly Bill 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

SB 1. SB 1 (Murray) (August 2006) established a $3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed “Go Solar California,” was previously titled “Million Solar Roofs.”

California AB 1470 (Solar Water Heating). This bill established the Solar Water Heating and Efficiency Act of 2007. AB 1470 makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. AB 1470 defines several terms for purposes of the act. The bill required a commission to evaluate the data available from a specified pilot program, and to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

Renewable Energy and Energy Procurement. SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities. Initially, the RPS required utilities to obtain 20% of their power from renewable sources by 2010. SB X1-2 (2011) subsequently expanded the RPS by establishing that 33% of the total electricity sold to retail customers in California per year by December 31, 2020, and in subsequent years, be secured from qualifying renewable energy sources. SB 350 (2015) further expanded the RPS by establishing that 50% of the total electricity sold to retail customers in California per year by December 31, 2030, be secured from qualifying renewable energy sources. And SB 100 (2018) further accelerated the RPS, requiring achievement of a 50% RPS by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new state policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100% of electricity retail sales and 100% of electricity procured to serve all state agencies by December 31, 2045.

Under the program, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

Mobile Sources

CARB's Mobile Source Strategy. On May 16, 2016, CARB released the 2016 Mobile Source Strategy that demonstrates how the state can simultaneously meet air quality standards, achieve GHG emission reduction targets, decrease health risk from transportation emissions, and reduce petroleum consumption over the next fifteen years. The actions contained in the 2016 Mobile Source Strategy will deliver broad environmental and public health benefits, as well as support much needed efforts to modernize and upgrade transportation infrastructure, enhance system-wide efficiency and mobility options, and promote clean economic growth in the mobile sector. The 2016 Mobile Source Strategy would also result in a 45 percent reduction in GHG emissions, and a 50 percent reduction in the consumption of petroleum-based fuels (CARB 2016).

On October 28, 2021, CARB received and heard the 2020 Mobile Source Strategy, which continues and builds upon the foundation established by the 2016 Mobile Source Strategy. The 2020 Mobile Source Strategy, if implemented, would achieve a 76 percent reduction in GHG emissions from 2020 levels from mobile sources by 2045, as largely attributable to transitioning towards a zero-emissions fleet. Moving forward, CARB anticipates that the programs and concepts in the 2020 Mobile Source Strategy will be incorporated into other aspects of CARB's regulatory and planning frameworks.

State Vehicle Standards. AB 1493 (July 2002) was enacted in response to the transportation sector accounting for more than one-half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. AB 1493 required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004.

As explained under the "Federal Vehicle Standards" description above, the EPA and NHTSA approved the SAFE Vehicles Rule Part One and Two, which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. Because the EPA rule is the subject of pending legal challenges, and because President Biden issued an executive order to review Part One and Part Two, this analysis used the best available information at this time, as set forth in EMFAC and assumed in CalEEMod.

The Advanced Clean Cars program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that by 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2012. To reduce GHG emissions, CARB, in conjunction with the EPA and NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The zero-emissions vehicle (ZEV) program will act as the focused technology of the Advanced Clean Cars program by requiring

manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

Executive Order S-1-07. Issued on January 18, 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The initial target of the Low Carbon Fuel Standard was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020. The Low Carbon Fuel Standard was subsequently amended in 2018 to require a 20% reduction in carbon intensity by 2030. This new requirement aligns with the California's overall 2030 target of reducing climate changing emissions to 40% below 1990 levels by 2030, set by SB 32. CARB has adopted implementing regulations for both the 10% and 20% carbon intensity reduction targets.

Senate Bill 375. SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan (RTP). The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible, the GHG reduction targets. If an SCS is unable to achieve the GHG reduction target, a metropolitan planning organization must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), an SCS does not regulate the use of land; supersede the land use authority of cities and counties; or require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets adopted for SANDAG in 2010 are a 7% reduction in per-capita passenger-vehicle GHG emissions by 2020 and a 13% reduction by 2035, measured relative to 2005 GHG emissions. In 2018, CARB adopted the second round of SB 375 reduction targets, and increased SANDAG's 2020 target to a 15% reduction in per-capita passenger-vehicle GHG emissions, and the 2035 target to a 19% reduction using the same 2005 baseline.

Senate Bill 350. In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code, Section 740.12).

AB 1236. AB 1236 (October 2015) (Chiu) required a city, county, or city and county to approve an application for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. AB 1236 provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is a matter of statewide concern. The bill required electric vehicle charging stations to meet specified standards. AB 1236 required a city,

county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric vehicle charging stations. The bill also required a city, county, or city and county with a population of fewer than 200,000 residents to adopt this ordinance by September 30, 2017.

Executive Order B-16-12. EO B-16-12 (2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution ZEVs. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this executive order, the Governor convened an Interagency Working Group on ZEVs that has published multiple reports regarding the progress. It ordered CARB, CEC, the California Public Utilities Commission, and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve goals by 2015, 2020, and 2025. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

Executive Order N-79-20. EO N-79-20 (2020) sets the goal for the State that 100 percent of in-state sales of new passenger cars and trucks will be zero-emission by 2035. EO-N-79-20 also sets goals for transition to 100 percent zero emission all medium- and heavy-duty vehicles by 2045, zero emission drayage trucks by 2035, and zero emission off-road vehicles and equipment by 2035, where feasible. Among other directives to further this executive order, for passenger cars and trucks, the Governor directed CARB to develop and propose regulations requiring increasing volumes of new zero-emission vehicles sold in the State towards the target of 100 percent of in-state sales by 2035. The Governor also directed the Governor's Office of Business and Economic Development to develop a Zero-Emissions Vehicle Market Development Strategy, which was completed in February 2021[7]. The executive order also directs updates and assessments to ensure zero-emission vehicle infrastructure is in place to support the levels of electric vehicle adoption required by the order.

Small Offroad Engines

The CARB approved a measure on December 9, 2021 that will require most newly manufactured small off-road engines such as those found in leaf blowers, lawn mowers and other equipment be zero emission starting in 2024. Portable generators, including those in recreational vehicles, would be required to meet more stringent standards in 2024 and meet zero-emission standards starting in 2028.

Solid Waste

AB 939 and AB 341. In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed of where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by 2000.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops, and in August 2015

[7] https://static.business.ca.gov/wp-content/uploads/2021/02/ZEV_Strategy_Feb2021.pdf

published a discussion document titled AB 341 Report to the Legislature, which identified five priority strategies that CalRecycle believed would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2012).

SB 1383. Beginning in 2022, SB 1383 requires every jurisdiction to provide organic waste collection services to all residents and businesses. Jurisdictions can select from a variety of organic waste collection services to match their unique communities and local infrastructure, while producing clean streams of organic feedstock that can be recycled into high-quality, marketable recycled products, including compost, renewable natural gas, electricity, and paper. Jurisdictions will educate all residents and businesses about collection requirements, including what materials to put in curbside bins. Education to residents and businesses may vary by jurisdiction and educational content may be provided electronically, through hard copy materials, or through direct outreach.

Water

Executive Order B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the executive order extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The executive order includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increased the requirements for landscape water use efficiency and broadened its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The State Water Resources Control Board also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The State Water Resources Control Board and Department of Water Resources will develop new, permanent water use targets that build on the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the State Water Resources Control Board permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in fountains and other decorative water features; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

Other State Regulations and Goals

SB 97. SB 97 (Dutton) (August 2007) directed the Governor's Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. The California Natural Resources Agency (CNRA) then adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010. The CEQA Guidelines were subsequently amended in 2018, which changes became effective on December 28, 2018.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines provide that a lead agency should also consider the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional,

or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features; off-site measures, including offsets that are not otherwise required; measures in an existing plan or mitigation program; measures that sequester GHGs; etc. (14 CRR 15126.4[c]). The adopted amendments do not establish a GHG emissions threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts (14 CCR 15064.7). The CEQA Guidelines also permit using environmental standards – i.e., an applicable and relevant quantitative, qualitative or performance requirement found in an ordinance, resolution, rule, regulation, order, plan or other environmental requirement that has been adopted for the purpose of environmental protection – as a threshold of significance to promote consistency in significance determinations (14 CCR 15064.7 [d]).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either quantifying the emissions resulting from a project or by relying on "qualitative analysis or other performance-based standards" (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should focus on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. The analysis should consider a timeframe appropriate for the project, and must reasonably reflect evolving scientific knowledge and state regulatory schemes (14 CCR 15064.4[b]).

Section 15183.5 of the CEQA Guidelines allows agencies to tier from qualified GHG reduction plans developed in accordance with subsection (b). Specifically, the GHG reduction plan must quantify greenhouse gas emissions, both existing and projected over a specified time period, resulting from activities within a defined geographic area; establish a level, based on substantial evidence, below which the contribution to greenhouse gas emissions from activities covered by the plan would not be cumulatively considerable; identify and analyze the greenhouse gas emissions resulting from specific actions or categories of actions anticipated within the geographic area; specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level; establish a mechanism to monitor the plan's progress toward achieving the level and to require amendment if the plan is not achieving specified levels; and be adopted in a public process following environmental review.

Executive Order S-13-08. EO Order S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the executive order directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014) as well as in 2018, Safeguarding California Plan: 2018 Update California's Climate Adaptation Strategy (CNRA 2018). The draft 2021 California Climate Adaptation Strategy was released for public comment on October 18, 2021 and closed on November 17, 2021. To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water.

3.2.3 Local Regulations

3.2.3.1 San Diego Air Pollution Control District

The SDAPCD does not have established GHG rules, regulations, or policies.

3.2.3.2 SANDAG RTP/SCS

SANDAG completed and adopted its 2050 RTP/SCS in October 2011. In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

In October 2015, SANDAG adopted San Diego Forward: The Regional Plan (SANDAG 2015). Like the 2050 RTP/SCS, San Diego Forward: Regional Plan meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

The 2021 Regional Plan, adopted by SANDAG on December 10, 2021, provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements, address traffic congestion, and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes a Sustainable Communities Strategy (SCS), as required by California Senate Bill 375 (Steinberg, 2008) (SB 375), for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then.

The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

3.2.3.2 City of Poway

General Plan

The City's General Plan includes air quality policies that also have direct impacts to GHG emissions. For a complete list refer to Section 2.2.3.3, Poway Comprehensive Plan: General Plan.

3.3 Greenhouse Gas Inventories and Climate Change Conditions

3.3.1 Sources of Greenhouse Gas Emissions

Global Inventory

Anthropogenic GHG emissions worldwide in 2019 (the most recent year for which data is available) totaled approximately 52.4 million metric tons (MMT) of CO_2e, excluding land use change and forestry (PBL 2020). Six countries—China, the United States, the Russian Federation, India, Japan, and Brazil—and the European community accounted for approximately 62% of the total global emissions, or approximately 32.5 MMT CO_2e (PBL 2020).

National and State Inventories

Per the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2020, total United States GHG emissions were approximately 5,981.4 MMT CO_2e in 2020 (EPA 2022b). Overall, from 1990 to 2020, total emissions of CO_2 decreased by 7.3%. Emissions decreased from 2019 to 2020 by 9.0 percent (590.4 MMT CO_2e). Net emissions (including sinks) were 5,222.4 MMT CO_2e in 2020. Overall, net emissions decreased 10.6 percent from 2019 to 2020 and decreased 21.4 percent from 2005 levels.

According to California's 2000–2019 GHG emissions inventory (2021 edition), California emitted 418.2 MMT CO_2e in 2019, including emissions resulting from out-of-state electrical generation (CARB 2021). The sources of GHG emissions in California include transportation, industrial uses, electric power production from both in-state and out-of-state sources, commercial and residential uses, agriculture, high-GWP substances, and recycling and waste. The California GHG emission source categories and their relative contributions in 2019 are shown in Table 11.

Table 11. GHG Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total*
Transportation	166.1	40%
Industrial uses	88.2	21%
Electricity generation[b]	58.8	14%
Residential and commercial uses	43.8	10%
Agriculture	31.8	8%
High global warming potential substances	20.6	5%
Recycling and waste	8.9	2%
Total	418.2	100%

Source: CARB 2021.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent.
* Column may not add due to rounding.

3.3.2 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 Intergovernmental Panel on Climate Change Synthesis Report indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, and rising sea levels (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, and electricity demand and supply (CCCC 2006). The primary effect of global climate change has been a 0.2°C rise in average global tropospheric temperature per decade, determined from meteorological measurements worldwide between 1990 and 2005. Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the 21st century than were observed during the 20th century. A warming of about 0.2°C [0.36°F]) per decade is projected, and there are identifiable signs that global warming could be taking place.

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The average temperatures in California have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

An increase in annual average temperature is a reasonably foreseeable effect of climate change. Observed changes over the last several decades across the Western United States reveal clear signals of climate change. Statewide average temperatures increased by about 1.7°F from 1895 to 2011, and warming has been the greatest in the Sierra Nevada (CCCC 2012). By 2050, California is projected to warm by approximately 2.7°F above 2000 averages, a threefold increase in the rate of warming over the last century. By 2100, average temperatures could increase by 4.1°F to 8.6°F, depending on emissions levels. Springtime warming—a critical influence on snowmelt—will be particularly pronounced. Summer temperatures will rise more than winter temperatures, and the increases will be greater in inland California, compared to the coast. Heat waves will be more frequent, hotter, and longer. There will be fewer extremely cold nights (CCCC 2012). It is predicted that the Sierra snowpack, which accounts for approximately half of the surface water storage in California and much of the state's water supply, will decline by 30 percent to as much as 90 percent over the next 100 years (CAT 2006).

Model projections for precipitation over California continue to show the Mediterranean pattern of wet winters and dry summers with seasonal, year-to-year, and decade-to-decade variability. For the first time, however, several of the improved climate models shift toward drier conditions by the mid-to-late 21st century in central and, most notably, Southern California. By late-century, all projections show drying, and half of them suggest 30-year average precipitation will decline by more than 10 percent below the historical average (CCCC 2012).

A summary of current and future climate change impacts to resource areas in California, as discussed in Safeguarding California: Reducing Climate Risk (CNRA 2014), is provided below.

Agriculture. The impacts of climate change on the agricultural sector are far more severe than the typical variability in weather and precipitation patterns that occur year to year. The agriculture sector and farmers face some specific

challenges that include more drastic and unpredictable precipitation and weather patterns; extreme weather events that range from severe flooding and extreme drought to destructive storm events; significant shifts in water availably and water quality; changes in pollinator lifecycles; temperature fluctuations, including extreme heat stress and decreased chill hours; increased risks from invasive species and weeds, agricultural pests, and plant diseases; and disruptions to the transportation and energy infrastructure supporting agricultural production. These challenges and associated short-term and long-term impacts can have both positive and negative effects on agricultural production. Nonetheless, it is predicted that current crop and livestock production will suffer long-term negative effects resulting in a substantial decrease in the agricultural sector if not managed or mitigated.

Biodiversity and Habitat. The state's extensive biodiversity stems from its varied climate and assorted landscapes, which have resulted in numerous habitats where species have evolved and adapted over time. Specific climate change challenges to biodiversity and habitat include species migration in response to climatic changes, range shift and novel combinations of species; pathogens, parasites, and disease; invasive species; extinction risks; changes in the timing of seasonal life-cycle events; food web disruptions; and threshold effects (i.e., a change in the ecosystem that results in a "tipping point" beyond which irreversible damage or loss has occurs). Habitat restoration, conservation, and resource management across California and through collaborative efforts among public, private, and nonprofit agencies has assisted in the effort to fight climate change impacts on biodiversity and habitat. One of the key measures in these efforts is ensuring species' ability to relocate as temperature and water availability fluctuate as a result of climate change based on geographic region.

Energy. The energy sector provides California residents with a supply of reliable and affordable energy through a complex integrated system. Specific climate change challenges for the energy sector include temperature, fluctuating precipitation patterns, increasing extreme weather events, and sea-level rise. Increasing temperatures and reduced snowpack negatively impact the availability of a steady flow of snowmelt to hydroelectric reservoirs. Higher temperatures also reduce the capacity of thermal power plants, since power plant cooling is less efficient at higher ambient temperatures. Increased temperatures will also increase electricity demand associated with air conditioning. Natural gas infrastructure in coastal California is threatened by sea-level rise and extreme storm events.

Forestry. Forests occupy approximately 33 percent of California's 100 million acres and provide key benefits, such as wildlife habitat, absorption of CO_2, renewable energy, and building materials. The most significant climate change-related risks to forests are accelerated risk of wildfire and more frequent and severe droughts. Droughts have resulted in more large-scale mortalities and, combined with increasing temperatures, have led to an overall increase in wildfire risks. Increased wildfire intensity subsequently increases public safety risks, property damage, fire suppression and emergency response costs, watershed and water quality impacts, and vegetation conversions. These factors contribute to decreased forest growth, geographic shifts in tree distribution, loss of fish and wildlife habitat, and decreased carbon absorption. Climate change may result in increased establishment of non-native species, particularly in rangelands where invasive species are already a problem. Invasive species may be able to exploit temperature or precipitation changes or quickly occupy areas denuded by fire, insect mortality, or other climate change effects on vegetation.

Ocean and Coastal Ecosystems and Resources. Sea-level rise, changing ocean conditions, and other climate change stressors are likely to exacerbate long-standing challenges related to ocean and coastal ecosystems in addition to threatening people and infrastructure located along the California coastline and in coastal communities. Sea-level rise, in addition to more frequent and severe coastal storms and erosion, are threatening vital infrastructure, such as roads, bridges, power plants, ports and airports, gasoline pipes, and emergency facilities, as well as negatively impacting the coastal recreational assets, such as beaches and tidal wetlands. Water quality

and ocean acidification threaten the abundance of seafood and other plant and wildlife habitats throughout California and globally.

Public Health. Climate change can impact public health through various environmental changes and is the largest threat to human health in the 21st century. Changes in precipitation patterns affect public health primarily through potential for altered water supplies, and extreme events, such as heat, floods, droughts, and wildfires. Increased frequency, intensity, and duration of extreme heat and heat waves is likely to increase the risk of mortality due to heat-related illness, as well as exacerbate existing chronic health conditions. Other extreme weather events are likely to negatively impact air quality and increase or intensify respiratory illness, such as asthma and allergies. Additional health impacts that may be impacted by climate change include cardiovascular disease, vector-borne diseases, mental health impacts, and malnutrition injuries. Increased frequency of these ailments is likely to subsequently increase the direct risk of injury and/or mortality.

Transportation. Residents of California rely on airports, seaports, public transportation, and an extensive roadway network to gain access to destinations, goods, and services. While the transportation industry is a source of GHG emissions, it is also vulnerable to climate change risks. Particularly, sea-level rise and erosion threaten many coastal California roadways, airports, seaports, transit systems, bridge supports, and energy and fueling infrastructure. Increasing temperatures and extended periods of extreme heat threaten the integrity of the roadways and rail lines. High temperatures cause the road surfaces to expand, which leads to increased pressure and pavement buckling. High temperatures can also cause rail breakages, which could lead to train derailment. Other forms of extreme weather events, such as extreme storm events, can negatively impact infrastructure, which can impair movement of peoples and goods, or potentially block evacuation routes and emergency access roads. Increased wildfires, flooding, erosion risks, landslides, mudslides, and rockslides can all profoundly impact the transportation system and pose a serious risk to public safety.

Water. Water resources in California support residences, plants, wildlife, farmland, landscapes, and ecosystems and bring trillions of dollars in economic activity. Climate change could seriously impact the timing, form, amount of precipitation, runoff patterns, and frequency and severity of precipitation events. Higher temperatures reduce the amount of snowpack and lead to earlier snowmelt, which can impact water supply availability, natural ecosystems, and winter recreation. Water supply availability during the intense dry summer months is heavily dependent on the snowpack accumulated during the winter. Increased risk of flooding has a variety of public health concerns, including water quality, public safety, property damage, displacement, and post-disaster mental health problems. Prolonged and intensified droughts can also negatively affect groundwater reserves and result in increased overdraft and subsidence. Droughts can also negatively impact agriculture and farmland throughout the state. The higher risk of wildfires can lead to increased erosion, which can negatively impact watersheds and result in poor water quality. Water temperatures are also prone to increase, which can negatively impact wildlife that rely on a specific range of temperatures for suitable habitat.

In May 2017, the CNRA released the draft Safeguarding California Plan: 2017 Update, which is a survey of current programmatic responses for climate change and contains recommendations for further actions (CNRA 2017).

3.4 Significance Criteria and Methodology

3.4.1 Thresholds of Significance

The significance criteria used to evaluate the project's GHG emissions impacts is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the proposed project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

The Appendix G thresholds for GHG's do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009a). Additional guidance regarding assessment of GHG's is discussed below.

CEQA Guidelines

With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's greenhouse gas emissions or rely on a "qualitative analysis or other performance based standards" (14 CCR 15064.4[b]). A lead agency may use a "model or methodology" to estimate greenhouse gas emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

Governor's Office of Planning and Research Guidance

The Governor's Office of Planning and Research technical advisory titled, CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review, states that "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be

disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2008). Furthermore, the advisory document indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008).

Cumulative Nature of Climate Change

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project in the SDAB, such as the proposed project, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change.

While the proposed project would result in emissions of GHGs during construction and operation, no guidance exists to indicate what level of GHG emissions would be considered substantial enough to result in a significant adverse impact on global climate. However, it is generally believed that an individual project is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory as scientific uncertainty regarding the significance a project's individual and cumulative effects on global climate change remains.

Thus, GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective (CAPCOA 2008). This approach is consistent with that recommended by the CNRA, which noted in its Public Notice for the proposed CEQA amendments (pursuant to SB97) that the evidence before it indicates that in most cases, the impact of GHG emissions should be considered in the context of a cumulative impact, rather than a project-level impact (CNRA 2009a). Similarly, the Final Statement of Reasons for Regulatory Action on the CEQA Amendments confirm that an environmental impact report or other environmental document must analyze the incremental contribution of a project to GHG levels and determine whether those emissions are cumulatively considerable (CNRA 2009b).

The analysis for compliance with regulatory programs only applies to the individual area addressed by the regulatory program. If the proposed project is determined to have GHG emissions less than 900 MT CO_2e per year, then the project's cumulative contribution of GHG emissions would be considered less than significant. Conversely, if the proposed project is determined to exceed the 900 MT CO_2e per year threshold, then the project's cumulative contribution of GHG emissions would be considered significant, and feasible mitigation measures would be required.

A numerical bright-line value for City projects does not yet exist. Moreover, no bright-line threshold has been formally adopted by an air district or other lead agencies for use in the San Diego region. The California Air Pollution Control Officers Association (CAPCOA) recommended an interim 900 MT CO_2e screening level as a theoretical approach to identify projects that require further analysis and potential mitigation (CAPCOA 2008). The 900 MT CO_2e per year screening threshold was developed by CAPCOA based on data collection on various development applications submitted among four diverse cities, including the Cities of Los Angeles, Pleasanton, Dublin, and Livermore. Following the review of numerous pending applications within these four cities, an analysis was conducted to determine the threshold that would capture 90% or more of applications that would be required to conduct a full GHG analysis and implement GHG emission reduction measures as part of final project design. Following CAPCOA's analysis of development applications in various cities, it was determined that the threshold of 900 MT CO_2e per year would achieve the objective of 90% capture and ensure that new development projects would keep the State of California on track to meet the goals of Assembly Bill (AB) 32. This 900 MT CO_2e screening level

threshold is considered appropriate for small maritime projects or other land use types, but was not devised to include emissions associated with the larger goods movement (e.g., oceangoing vessels, freight rail) projects or larger industrial processes that are typically associated with marine terminals. Consequently, the interim screening level recommended by CAPCOA would be appropriate for the proposed project. The 900 MT CO_2e threshold is applied to evaluate whether the project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

Lead agencies can set thresholds on a project-by-project basis, or they can informally or formally adopt thresholds to be consistently applied to all projects (OPR 2008). For the lead agency, having clearly established thresholds promotes predictability and consistency (over time and across reviewers) in the environmental review process, can bolster the defensibility of significance determinations in the lead agency's documents, and can focus the analysis on impacts expected to be significant rather than impacts that are simply controversial (AEP 2016). However, CEQA does not require that a lead agency use the same significance threshold for different CEQA documents (AEP 2016).

Lead agencies are encouraged in the State CEQA Guidelines (14 CCR 15064.7(a)) to develop and formally adopt thresholds of significance, though most do not do so (AEP 2016). Thresholds established for general use by a lead agency must be: adopted by ordinance, resolution, rule, or regulation; be subjected to public review; and be supported by substantial evidence (State CEQA Guidelines Section 15064.7(b)). Thresholds used only for a specific project are not required to be adopted by ordinance or other formal means (AEP 2016).

Thresholds of significance must be backed by substantial evidence, which is defined in the CEQA statute to mean "facts, reasonable assumptions predicated on facts, and expert opinion supported by facts" (14 CCR 15384(b)).[8] Substantial evidence can be in the form of technical studies, agency staff reports or opinions, expert opinions supported by facts, and prior CEQA assessments and planning documents. The 900 MT CO_2e per year threshold is supported by expert opinion (i.e., CAPCOA 2008), agency guidance (e.g., County of San Diego 2015), and prior environmental impact reports (e.g., San Diego Unified Port District 2016, at a minimum).

The significance of a project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b) by considering whether the project complies with applicable plans, policies, regulations, and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. As a land use development project, the most directly applicable adopted regulatory plan to reduce the proposed project's GHG emissions is SANDAG's Regional Plan, which is designed to achieve regional GHG reductions from the land use and transportation sectors as required by SB 375 and the state's long-term climate goals. This analysis also considers consistency with regulations or requirements adopted by the 2008 Climate Change Scoping Plan and subsequent updates.

[8] 14 CCR 15384 provides the following discussion: "Substantial evidence" as used in the Guidelines is the same as the standard of review used by courts in reviewing agency decisions. Some cases suggest that a higher standard, the so called "fair argument standard" applies when a court is reviewing an agency's decision whether or not to prepare an EIR. Public Resources Code section 21082.2 was amended in 1993 (Chapter 1131) to provide that substantial evidence shall include "facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts." The statute further provides that "argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence."

3.4.2 Approach and Methodology

As discussed in Section 3.1.3, Global Warming Potential, this analysis assumes that the GWP for CH_4 is 25 and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007).

3.4.2.1 Construction

CalEEMod Version 2020.4.0 was used to estimate potential project-generated GHG emissions during construction. Construction of the proposed project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. All details for construction criteria air pollutants discussed in Section 2.4.2.1 are also applicable for the estimation of construction-related GHG emissions. As such, see Section 2.4.2.1 for a discussion of construction emissions calculation methodology and assumptions.

3.4.2.2 Operation

CalEEMod Version 2020.4.0 was used to estimate potential project-generated operational GHG emissions from area sources (landscape maintenance), energy sources (natural gas and electricity), mobile sources, solid waste, and water supply and wastewater treatment. Emissions from each category are discussed in the following text with respect to the proposed project. For additional details, see Section 2.4.2.2 for a discussion of operational emission calculation methodology and assumptions, specifically for area, energy (natural gas), and mobile sources. Operational year 2026 was assumed consistent with the proposed project's traffic impact analysis (Intersecting Metrics 2022a).

Energy Sources

As represented in CalEEMod, energy sources include GHG emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to GHGs, since GHG emissions occur at the site of the power plant, which is typically off site. Emissions were calculated by multiplying the energy use by the utility's carbon intensity (pounds of GHGs per megawatt-hour for electricity or 1,000 British thermal units for natural gas) for CO_2 and other GHGs. Annual natural gas (non-hearth) and electricity emissions were estimated in CalEEMod using the emissions factors for SDG&E, which would be the energy source provider for the proposed project. CalEEMod default emission factors for SDG&E were assumed.

CalEEMod default values for energy consumption for each land use were applied for analysis of the proposed project. The energy use from residential land uses is calculated in CalEEMod based on the California Residential End-Use Survey database. The program uses data collected during the Residential Appliance Saturation Survey to develop energy intensity values (electricity and natural gas usage per square foot per year) for residential buildings. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning system; water heating system; and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The most recent amendments to Title 24, Part 6, referred to as the 2019 standards, became effective on January 1, 2020. The 2022 Title 24 standards will take effect on January 1, 2023. Therefore, the proposed project would be

subject to the 2022 Title 24 standards. However, CalEEMod only accounts for the 2019 Title 24 standards and no adjustments were made to account for the 2022 Title 24 standards.

Solid Waste

The proposed project would generate solid waste and would, therefore, result in CO_2 and CH_4 emissions associated with landfill off-gassing. Solid waste generation was derived from the CalEEMod default rates for each land use type. Emission estimates associated with solid waste were estimated using CalEEMod.

Water Supply and Wastewater

Water supplied to the proposed project would require the use of electricity. Accordingly, the supply, conveyance, treatment, and distribution of water would indirectly result in GHG emissions through use of electricity. Annual water use for the proposed project and GHG emissions associated with the electricity used for water supply were calculated based upon default water use estimates for each land use type, as estimated by CalEEMod and SDG&E factors. It was assumed that the proposed project would not include on-site septic systems and would be connected to municipal sewer.

3.5 Impact Analysis

Threshold GHG-1. ***Would the proposed project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?***

Construction Emissions

Construction of the proposed project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. GHG emissions associated with temporary construction activity were quantified using CalEEMod. A detailed depiction of the construction schedule—including information regarding phasing, equipment utilized during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.4.2.1 of this report.

Table 12 shows the estimated annual GHG construction emissions associated with the proposed project, as well as the amortized construction emissions over a 30-year project life.

Table 12. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2024	345.66	0.10	0.00	348.82
2025	397.65	0.07	0.01	401.81
2026	156.68	0.02	0.00	158.32
			Total	**908.95**
			Amortized Emissions	**30.30**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for complete results.

Total construction emissions for the proposed project were estimated to be 909 MT CO_2e. Estimated amortized project-generated construction emissions over 30 years would be approximately 30 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the proposed project would be short-term in nature, lasting only for the duration of the construction period for each phase, and would not represent a long-term source of GHG emissions.

Operational Emissions

Operation of the proposed project would generate GHG emissions through motor vehicle trips to and from the project site; landscape maintenance equipment operation; energy use (natural gas and generation of electricity consumed by the proposed project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution, as well as wastewater treatment. CalEEMod was used to calculate the annual GHG emissions based on the operational assumptions described in Section 3.4.2.2, Operation.

Table 13 shows the estimated operational (year 2026) project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation.

Table 13. Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Area	50.39	0.00	0.00	50.70
Energy	193.44	0.01	0.00	194.33
Mobile	434.81	0.03	0.02	441.80
Solid waste	14.98	0.89	0.00	37.11
Water supply and wastewater	21.43	0.14	0.00	25.80
			Total	**749.73**
			Amortized Construction Emissions	*30.30*
			Operation + Amortized Construction Total	**780.03**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for detailed results.
These emissions reflect California Emissions Estimator Model "mitigated" output and operational year 2025.

As shown in Table 13, estimated annual project-generated GHG emissions in 2026 would be approximately 750 MT CO_2e per year as a result of proposed project operations. Estimated annual project-generated emissions in 2026 from area, energy, mobile, solid waste, and water/wastewater sources and amortized project-generated construction emissions would be approximately 780 MT CO_2e per year. As discussed in Section 3.4.1, the significance threshold for this project would be 900 MT CO_2e per year. Therefore, impacts would be considered **less than significant**.

Mitigation Measures

No mitigation would be required.

Level of Significance After Mitigation

The proposed project impacts would be less than significant prior to mitigation.

Threshold GHG-2. Would the proposed project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with Applicable Plans and Policies

Consistency with SANDAG's San Diego Forward: The Regional Plan

At the regional level, SANDAG's RTP/SCS has been adopted for the purpose of reducing GHG emissions attributable to passenger vehicles in the San Diego region. In December 2021, SANDAG adopted its RTP/SCS (The 2021 Regional Plan), which shows the San Diego region reduced per capita CO_2 emissions by 17.9% in 2020 compared to 2005 baseline, which exceeds the 2020 target set for SANDAG of 15% reduction. Implementation of the RTP/SCS is estimated to result in a 20% CO_2 emissions reduction for cars and light-duty trucks by 2035, exceeding the 19% target from 2005 levels set by CARB. The RTP/SCS does not regulate land use or supersede the exercise of land use authority by SANDAG's member jurisdictions, but it is a relevant regional reference document for purposes of evaluating the intersection of land use and transportation patterns and the corresponding GHG emissions.

SANDAG's Regional Plan is a regional growth-management strategy that targets per-capita GHG reduction from passenger vehicles and light-duty trucks in the San Diego region. The Regional Plan will integrate land use and transportation strategies to meet GHG emissions reduction targets that are forecasted to achieve the state's 2035 and 2050 GHG reduction goals. The Regional Plan incorporates local land use projections and circulation networks in city and county general plans. Typically, a project would be consistent with the Regional Plan if it does not exceed the underlying growth assumptions within the Regional Plan.

Implementation of the proposed project would result in an increase in 63 residential units. SANDAG's 2021 Regional Plan, was adopted on December 10, 2021 and is the current growth forecast; it estimates that the City would have 17,092 units in 2025 and 18,017 units in 2035 (SANDAG 2021). This would equate to an additional 93 units per year from 2025 to 2035. The proposed project is expected to bring 63 units to market in 2026. Therefore, while the proposed project would be consistent with the current land use designation for the site, the proposed project would not conflict with SANDAG's regional growth forecast for the City, which accounts for residential growth in the City.

The Regional Plan includes the following daily VMT totals for the San Diego region as a whole: a daily 26 total VMT per capita for the 2005 base year; a daily 21.83 total VMT per capita for the 2020 plan year; 20.48 total VMT per capita for the 2035 plan year; and 19.9 total VMT per capita for the 2050 plan year. To analyze the consistency of the proposed project with the Regional Plan for informational purposes, the proposed project's total daily VMT was divided by the proposed project's service population to arrive at the per capita total daily VMT estimates. The proposed project daily VMT in 2026 is estimated to be 19.3 (Intersecting Metrics 2022a). Therefore, the proposed project's VMT per capita in 2026 would be 19.3, which would be less than the overall SANDAG region's daily 20.48 VMT per capita for the 2035 plan year and 19.9 daily VMT per capita for the 2050 plan year. Therefore, the proposed project would be consistent with the total VMT per capita, growth projections, and GHG reductions assumed within the Regional Plan.

Table 14 illustrates the proposed project's consistency with all applicable goals and policies of SANDAG's Regional Plan (SANDAG 2015).

Table 14. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
1. Land Use and Habitat	The 2021 Regional Plan vision for land use focuses on development and growth in Mobility Hub areas to preserve the region's habitat and open space while supporting transportation investments and reducing vehicle miles traveled (VMT). Mobility Hubs are the opportunity areas to provide housing to address the Regional Housing Needs Assessment	Consistent. The Project is located on an infill site that is in close proximity to multi-modal transportation options. Further, the Project would provide needed residential opportunities in the City, helping to improve the jobs/housing ratio and reduce the trip lengths traveled by persons employed in the City.
2. Housing	The 2021 Regional Plan addresses the housing crisis through Mobility Hubs, bringing locations where people live and work closer together and providing more housing options for more San Diegans through increased density. SANDAG will rely on building stronger partnerships with local jurisdictions to increase housing in the region, especially housing available to low-income residents.	Consistent. The Project is located on an infill site that is in close proximity to multi-modal transportation options. Further, the Project would provide needed residential opportunities in the City, helping to improve the jobs/housing ratio and reduce the trip lengths traveled by persons employed in the City.
3. Climate Action Planning	To help reach regional and state greenhouse gas (GHG) emissions–reduction targets, the 2021 Regional Plan focuses heavily on the conversion to clean transportation and a shift from personal vehicle dependency through the 5 Big Moves. To help local jurisdictions make this transition and achieve broader reductions in GHG emissions, SANDAG will provide technical assistance, guidance resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their climate action plans (CAP) and plan for more well-connected,	Not appliable. The Project will not prevent SANDAG from providing technical assistance, guidance resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their climate action plans (CAP) and plan for more well-connected, sustainable, healthy communities that are accessible to all.

Table 14. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	sustainable, healthy communities that are accessible to all.	
4. Climate Adaptation and Resilience	The 2021 Regional Plan aims to better prepare San Diego communities and habitats for these climate change impacts by considering evacuation and rapid mobility needs in our transit corridors, evaluating and considering climate vulnerabilities to the region's transportation infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts. SANDAG will establish a coordinated effort across agencies and local jurisdictions for a more holistic, comprehensive, equitable, sustainable, and resilient region.	Not appliable. The Project will not prevent SANDAG from considering evacuation and rapid mobility needs in our transit corridors, evaluating and considering climate vulnerabilities to the region's transportation infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts.
5. Electric Vehicles	Electrification is included in the 2021 Regional Plan as a way to reach regional greenhouse gas (GHG) emission–reduction targets. Electric vehicles (EVs) are zero-emission vehicles that include plug-in battery EVs and hydrogen fuel cell EVs. SANDAG aims to incentivize and encourage the incorporation of all types of EVs into Flexible Fleets, Transit Leap, and goods movement and to support funding programs that increase the number of EVs and charging stations throughout the region and within Mobility Hubs and as part of the Complete Corridor strategy.	Consistent. The Project would include electric vehicle capable parking spaces in accordance with the Title 24 and CalGreen requirements.
6. Parking and Curb Management	Proactively managing parking and curb space enables more people to access places within our communities using alternatives to driving.	Not appliable. The Project will not prevent SANDAG from managing parking and curb space enables more people to access places

Table 14. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	Effective parking-management policies contribute to the region's ability to meet the California Senate Bill 375 (Steinberg, 2008) greenhouse gas emissions–reduction target t by applying parking pricing and reduced parking supply assumptions, which are included in the travel demand model (reference Appendix D: Sustainable Communities Strategy Documentation and Related Information).	within our communities using alternatives to driving.
7. Transportation Demand Management.	Transportation Demand Management (TDM) innovations have the potential to transform the way people travel within and between communities. Managing demands on the existing transportation system is a vital strategy for making the overall system more effective in reducing drive-alone commute trips. SANDAG will continue to administer and monitor the iCommute program by providing regional rideshare, employer outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.	Not appliable. The Project will not prevent SANDAG from efforts to continue to administer and monitor the iCommute program by providing regional rideshare, employer outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.
8. Vision Zero	Vision Zero is a national campaign to eliminate all traffic-related deaths and serious injuries by focusing on policies and the redesign of streets to create a transportation system that is safe for everyone. In adopting Vision Zero, SANDAG will work toward Zero by collecting and analyzing crash data to identify safety issues and recommend solutions; developing a	Not appliable. The Project will not prevent SANDAG from supporting the Vision Zero campaign in the County.

Table 14. SANDAG 2021 Regional Plan Consistency Analysis

Programs, Planning, and Policies	Implementation Actions	Consistency Analysis
	regional safety policy; continuing to construct the Regional Bike Network; working with local jurisdictions to conduct outreach for and build out their complete streets networks; and funding educational programs, including opportunities to collaborate with tribal nations	
9. Fix It First	To optimize investments in the region's transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving upon existing roads, rails, and sidewalks. The Fix It First strategy aims to repair existing roads and create a system for sustained maintenance in the future, creating a safe and efficient transportation network for all users.	Not appliable. The Project will not prevent SANDAG from optimizing investments in the region's transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving upon existing roads, rails, and sidewalks.
10. Transportation System Management and Operations	Transportation System Management and Operations (TSMO) employs a series of intelligent transportation system strategies designed to maximize the capacity and efficiency of the existing and future transportation system. H	Not appliable. The Project will not prevent SANDAG from Transportation System Management and Operations (TSMO).

Source: SANDAG 2021.
Notes: City = City of Poway; proposed project = Harmon Ranch; VMT = vehicle miles traveled; SANDAG = San Diego Association of Governments; EV = electric vehicle.

As shown in Table 14, the proposed project would be consistent with all applicable Regional Plan policy objectives or strategies. SANDAG worked with the local jurisdictions to identify Regional Housing Needs Assessment allocation options that meet the four goals of housing element law (Government Code Section 65484[d][1]–[4]) within the Regional Plan. The second of the four objectives of the SANDAG Regional Housing Needs Assessment is to promote infill development and socioeconomic equity, the protection of environmental and agricultural resources, and the encouragement of efficient development patterns. Also, one of the key achievements projected for the Regional Plan is for nearly three-quarters of multi-family housing to be built on redevelopment or infill sites. The proposed project would be consistent with that goal as it would be developed on an infill site.

In summary, the proposed project promotes a pedestrian experience for its residents and visitors that would facilitate non-vehicular travel, consistent with SB 375 and SANDAG's Regional Plan. As shown in Table 14, the proposed project would be consistent with policy objectives of SANDAG's Regional Plan. Impacts would be **less than significant**.

Consistency with CARB's Scoping Plan

The Scoping Plan, approved by CARB on December 12, 2008, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. As such, the Scoping Plan is not directly applicable to specific projects. Relatedly, in the Final Statement of Reasons for the Amendments to the CEQA Guidelines, the CNRA observed that "[t]he [Scoping Plan] may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009a). Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., low-carbon fuel standard), among others. The proposed project would comply with all applicable regulations adopted in furtherance of the Scoping Plan to the extent required by law.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 15 highlights measures that have been developed under the Scoping Plan and the proposed project's consistency with those measures. The table also includes measures proposed in the 2017 Scoping Plan Update. To the extent that these regulations are applicable to the proposed project, its inhabitants, or uses, the proposed project would comply with all applicable regulations adopted in furtherance of the Scoping Plan.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Transportation Sector		
Advanced Clean Cars	T-1	The proposed project's residents would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
1.5 million zero-emission and plug-in hybrid light-duty electric vehicles by 2025 (4.2 million Zero-Emissions Vehicles by 2030)	N/A	The proposed project includes EV charging stations.
Low Carbon Fuel Standard	T-2	Motor vehicles driven by the proposed project's residents would use compliant fuels.
Low Carbon Fuel Standard (18 percent reduction in carbon intensity by 2030)	N/A	Motor vehicles driven by the proposed project's residents would use compliant fuels.
Regional Transportation-Related GHG Targets	T-3	The proposed project would encourage use of alternative forms of transportation.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Advanced Clean Transit	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Last Mile Delivery	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Reduction in Vehicle Miles Traveled	N/A	The proposed project is located on an infill site, which promotes compact walkable communities with an emphasis on proximity and accessibility.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Ship Electrification at Ports (Shore Power)	T-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
California Sustainable Freight Action Plan	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Heavy-Duty Vehicle GHG Emission Reduction 1. Tractor-Trailer GHG Regulation 2. Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I)	T-7	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Project	T-8	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Medium and Heavy-Duty GHG Phase 2	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
High-Speed Rail	T-9	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	The proposed project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Energy Efficiency (Natural Gas)	CR-1	The proposed project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	The proposed project would not employ solar water heating as part of the design.
Combined Heat and Power	E-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Renewable Portfolios Standard (33 percent by 2020)	E-3	The proposed project would use energy supplied by San Diego Gas and Electric, which is in compliance with the Renewable Portfolio Standard.
Renewable Portfolios Standard (50 percent by 2050)	N/A	The proposed project would use energy supplied by San Diego Gas and Electric, which is in compliance with the Renewable Portfolio Standard.
Senate Bill 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	The proposed project would include solar roofs installations, in compliance with the 2019 Title 24 standards.
Water Sector		
Water Use Efficiency	W-1	The proposed project is going to utilize water saving features including low-flow fixtures.
Water Recycling	W-2	Recycled water will not be used on site.
Water System Energy Efficiency	W-3	This is applicable for the transmission and treatment of water, but it is not applicable for the proposed project.
Reuse Urban Runoff	W-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Renewable Energy Production	W-5	Applicable for wastewater treatment systems. Not applicable for the proposed project.
Green Buildings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	The proposed project would be required to be constructed in compliance with state or local green building standards in effect at the time of building construction.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-2	The proposed project's buildings would meet green building standards that are in effect at the time of construction.
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-3	The proposed project would be required to be constructed in compliance with local green building standards in effect at the time of building construction.
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Industry Sector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Oil and Gas Extraction GHG Emission Reduction	I-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Reduce GHG Emissions by 20 percent in Oil Refinery Sector	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Refinery Flare Recovery Process Improvements	I-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Work with the local air districts to evaluate amendments to their existing leak detection and repair rules for industrial facilities to include methane leaks	I-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Recycling and Waste Management Sector		
Landfill Methane Control Measure	RW-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Increasing the Efficiency of Landfill Methane Capture	RW-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Mandatory Commercial Recycling	RW-3	During both construction and operation of the proposed project, the proposed project would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended. During construction, all wastes would be recycled to the maximum extent possible.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Increase Production and Markets for Compost and Other Organics	RW-4	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Anaerobic/Aerobic Digestion	RW-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Extended Producer Responsibility	RW-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Environmentally Preferable Purchasing	RW-7	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Forests Sector		
Sustainable Forest Target	F-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
High Global Warming Potential Gases Sector		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
SF_6 Limits in Non-Utility and Non-Semiconductor Applications	H-2	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Reduction of Perfluorocarbons in Semiconductor Manufacturing	H-3	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Limit High Global Warming Potential Use in Consumer Products	H-4	The proposed project's residents would use consumer products that would comply with the regulations that are in effect at the time of manufacture.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
SF_6 Leak Reduction Gas Insulated Switchgear	H-6	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Table 15. Project Consistency with Scoping Plan GHG Emission-Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
40 percent reduction in methane and hydrofluorocarbon emissions	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
50 percent reduction in black carbon emissions	N/A	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.
Agriculture Sector		
Methane Capture at Large Dairies	A-1	This measure does not apply to the proposed project. The proposed project would not inhibit CARB from implementing this Scoping Plan Measure.

Source: CARB 2008, 2017.
Notes: GHG = greenhouse gas; proposed project = Harmon Ranch; CARB = California Air Resources Board; EV = electric vehicle; SF_6 = sulfur hexafluoride.

Based on the analysis in Table 15, the proposed project would be consistent with the applicable strategies and measures in the Scoping Plan.

In addition to the measures outlined in the Table 15, the Scoping Plan also highlights, in several areas, the goals and importance of infill projects. Specifically, the Scoping Plan calls out an ongoing and proposed measure to streamline CEQA compliance and other barriers to infill development. The plan encourages infill projects and sees them as crucial to achieving the State's long-term climate goals. The plan encourages accelerating equitable and affordable infill development through enhanced financing and policy incentives and mechanisms.

The state will complete an Integrated Natural and Working Lands Climate Change Action Plan (Action Plan) by 2018, which will consider aggregation of eco-regional plans and efforts to achieve net sequestration goals. The Action Plan will include goals and plans to promote and provide incentives for infill development through community revitalization and urban greening and promote the adoption of regional transportation and development plans, such as SB 375 SCS and Climate Action Plans, which prioritize infill and compact development and also consider the climate change impacts of land use and management.

The following strategies were outlined to expand infill development within the Scoping Plan:

- Encouraging regional transfer of development rights programs to allow owners of natural and working lands to sell their development rights to developers who can use those rights to add additional density to development projects in preferred infill areas.
- Promoting regional transit-oriented development funds that leverage public resources with private-sector investment capital to provide flexible capital for transit-oriented development projects.
- Rebates for low-VMT/location-efficient housing, similar to programs that use rebates to encourage adoption of energy-efficient appliances, ZEVs, water-efficient yards, or renewable energy installation. For example, the rebate could reimburse residents for a portion of the down payment for purchasing or renting a qualified home in exchange for a minimum term of residence.

- Promotion of cross-subsidizing multi-station financing districts along transit corridors to leverage revenues from development in strong-market station areas in order to seed needed infrastructure and development in weaker-market station areas.
- Abatement of residential property tax increases in exchange for property-based improvements in distressed infill areas.
- Ways to promote reduced parking in areas where viable transportation alternatives are present.
- Additional creative financing mechanisms to enhance the viability of priority infill projects.
- Ways to promote and strengthen urban growth boundaries to promote infill development and conservation of natural and working lands by defining and limiting developable land within a metropolitan area according to projected growth needs.

In summary, the proposed project would be consistent with the measures and policy goals as shown in Table 15, Project Consistency with Scoping Plan GHG Emission-Reduction Strategies. The proposed project would also be consistent with the various efforts the Scoping Plan established to encourage infill development projects. Therefore, the proposed project would be consistent with CARB's Scoping Plan.

Finally, the SDAPCD has not adopted GHG reduction measures that would apply to the GHG emissions associated with the proposed project. Therefore, this impact would be **less than significant**.

Mitigation Measures

No mitigation would be required.

Level of Significance After Mitigation

The proposed project's impact would be less than significant prior to mitigation.

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Appendix A
CalEEMod Output Files

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Oak Knoll Project - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Oak Knoll Project

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	52.81	1000sqft	1.21	52,811.00	0
Single Family Housing	64.00	Dwelling Unit	20.78	115,200.00	183

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2026
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on project description.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - CalEEMod defaults. Odd trips were rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Oak Knoll Project - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Based on existing land uses onsite.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - Based on Transportation Impact Study for project.

Woodstoves - Natural gas hearth only.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SDAPCD Rule 55.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	321.00
tblConstructionPhase	NumDays	370.00	391.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	35.00	125.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	23.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberGas	35.20	64.00
tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	22.40	0.00
tblLandUse	LandUseSquareFeet	52,810.00	52,811.00
tblTripsAndVMT	HaulingTripNumber	39.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	15.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	5.79
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.00
tblVehicleTrips	SU_TR	8.55	10.00
tblVehicleTrips	WD_TR	9.44	10.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2011	1.9617	1.8247	3.9200e-003	0.8299	0.0826	0.9125	0.3518	0.0762	0.4280	0.0000	345.6561	345.6561	0.0990	2.3200e-003	348.8249
2025	0.5083	1.7159	2.2475	4.5300e-003	0.0752	0.0684	0.1437	0.0204	0.0648	0.0852	0.0000	397.6485	397.6485	0.0674	8.3000e-003	401.8068
2026	0.2354	0.6788	0.8726	1.7800e-003	0.0314	0.0267	0.0582	8.5100e-003	0.0254	0.0339	0.0000	156.6822	156.6822	0.0248	3.4100e-003	158.3180
Maximum	**0.5083**	**1.9617**	**2.2475**	**4.5300e-003**	**0.8299**	**0.0826**	**0.9125**	**0.3518**	**0.0762**	**0.4280**	**0.0000**	**397.6485**	**397.6485**	**0.0990**	**8.3000e-003**	**401.8068**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2011	1.9617	1.8247	3.9200e-003	0.3868	0.0826	0.4694	0.1619	0.0762	0.2381	0.0000	345.6558	345.6558	0.0990	2.3200e-003	348.8245
2025	0.5083	1.7159	2.2475	4.5300e-003	0.0752	0.0684	0.1437	0.0204	0.0648	0.0852	0.0000	397.6481	397.6481	0.0674	8.3000e-003	401.8064
2026	0.2354	0.6788	0.8726	1.7800e-003	0.0314	0.0267	0.0582	8.5100e-003	0.0254	0.0339	0.0000	156.6820	156.6820	0.0248	3.4100e-003	158.3178
Maximum	**0.5083**	**1.9617**	**2.2475**	**4.5300e-003**	**0.3868**	**0.0826**	**0.4694**	**0.1619**	**0.0762**	**0.2381**	**0.0000**	**397.6481**	**397.6481**	**0.0990**	**8.3000e-003**	**401.8064**

Oak Knoll Project - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.31**	**0.00**	**39.76**	**49.88**	**0.00**	**34.70**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-6-2024**	**5-5-2024**	0.1676	0.1676
2	**5-6-2024**	**8-5-2024**	0.4862	0.4862
3	**8-6-2024**	**11-5-2024**	0.8483	0.8483
4	**11-6-2024**	**2-5-2025**	0.9365	0.9365
5	**2-6-2025**	**5-5-2025**	0.4915	0.4915
6	**5-6-2025**	**8-5-2025**	0.5559	0.5559
7	**8-6-2025**	**11-5-2025**	0.5566	0.5566
8	**11-6-2025**	**2-5-2026**	0.5574	0.5574
9	**2-6-2026**	**5-5-2026**	0.5381	0.5381
10	**5-6-2026**	**8-5-2026**	0.1629	0.1629
		Highest	0.9365	0.9365

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Energy	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	196.5145	196.5145	8.9200e-003	2.2600e-003	197.4112
Mobile	0.2563	0.2571	2.2104	4.4600e-003	0.5042	3.5000e-003	0.5077	0.1346	3.2600e-003	0.1378	0.0000	412.7686	412.7686	0.0321	0.0200	419.5239
Waste						0.0000	0.0000		0.0000	0.0000	15.2304	0.0000	15.2304	0.9001	0.0000	37.7327
Water						0.0000	0.0000		0.0000	0.0000	1.3229	20.4522	21.7751	0.1371	3.3600e-003	26.2044
Total	**0.7826**	**0.3697**	**2.7313**	**5.1700e-003**	**0.5042**	**0.0148**	**0.5190**	**0.1346**	**0.0146**	**0.1491**	**16.5533**	**680.9220**	**697.4753**	**1.0799**	**0.0265**	**732.3772**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Energy	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	196.5145	196.5145	8.9200e-003	2.2600e-003	197.4112
Mobile	0.2563	0.2571	2.2104	4.4600e-003	0.5042	3.5000e-003	0.5077	0.1346	3.2600e-003	0.1378	0.0000	412.7686	412.7686	0.0321	0.0200	419.5239
Waste						0.0000	0.0000		0.0000	0.0000	15.2304	0.0000	15.2304	0.9001	0.0000	37.7327
Water						0.0000	0.0000		0.0000	0.0000	1.3229	20.4522	21.7751	0.1371	3.3600e-003	26.2044
Total	**0.7826**	**0.3697**	**2.7313**	**5.1700e-003**	**0.5042**	**0.0148**	**0.5190**	**0.1346**	**0.0146**	**0.1491**	**16.5533**	**680.9220**	**697.4753**	**1.0799**	**0.0265**	**732.3772**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/6/2024	3/18/2024	5	30	
2	Site Preparation	Site Preparation	4/15/2024	5/15/2024	5	23	
3	Grading	Grading	6/18/2024	12/9/2024	5	125	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	11/12/2024	2/3/2025	5	60	
5	Building Construction	Building Construction	12/1/2024	6/1/2026	5	391	
6	Architectural Coating	Architectural Coating	3/8/2025	6/1/2026	5	321	

Acres of Grading (Site Preparation Phase): 34.5

Acres of Grading (Grading Phase): 375

Acres of Paving: 1.21

Residential Indoor: 233,280; Residential Outdoor: 77,760; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,169 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	4.00	40.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	46.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3100e-003	0.0000	4.3100e-003	6.5000e-004	0.0000	6.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5600e-003	0.0790	0.1373	2.2000e-004		3.6900e-003	3.6900e-003		3.5300e-003	3.5300e-003	0.0000	18.9787	18.9787	3.9100e-003	0.0000	19.0765
Total	**9.5600e-003**	**0.0790**	**0.1373**	**2.2000e-004**	**4.3100e-003**	**3.6900e-003**	**8.0000e-003**	**6.5000e-004**	**3.5300e-003**	**4.1800e-003**	**0.0000**	**18.9787**	**18.9787**	**3.9100e-003**	**0.0000**	**19.0765**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.6900e-003	7.3000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.2000e-004	0.0000	1.1792	1.1792	6.0000e-005	1.9000e-004	1.2367
Vendor	7.0000e-005	2.6500e-003	9.2000e-004	1.0000e-005	4.0000e-004	2.0000e-005	4.1000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	4.0000e-005	1.7000e-004	1.2349
Worker	6.1000e-004	4.0000e-004	5.1100e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4731	1.4731	4.0000e-005	4.0000e-005	1.4859
Total	**7.2000e-004**	**5.7400e-003**	**6.7600e-003**	**4.0000e-005**	**2.6600e-003**	**5.0000e-005**	**2.7000e-003**	**7.2000e-004**	**5.0000e-005**	**7.7000e-004**	**0.0000**	**3.8352**	**3.8352**	**1.4000e-004**	**4.0000e-004**	**3.9575**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9400e-003	0.0000	1.9400e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5600e-003	0.0790	0.1373	2.2000e-004		3.6900e-003	3.6900e-003		3.5300e-003	3.5300e-003	0.0000	18.9787	18.9787	3.9100e-003	0.0000	19.0765
Total	**9.5600e-003**	**0.0790**	**0.1373**	**2.2000e-004**	**1.9400e-003**	**3.6900e-003**	**5.6300e-003**	**2.9000e-004**	**3.5300e-003**	**3.8200e-003**	**0.0000**	**18.9787**	**18.9787**	**3.9100e-003**	**0.0000**	**19.0765**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.6900e-003	7.3000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.2000e-004	0.0000	1.1792	1.1792	6.0000e-005	1.9000e-004	1.2367
Vendor	7.0000e-005	2.6500e-003	9.2000e-004	1.0000e-005	4.0000e-004	2.0000e-005	4.1000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	4.0000e-005	1.7000e-004	1.2349
Worker	6.1000e-004	4.0000e-004	5.1100e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4731	1.4731	4.0000e-005	4.0000e-005	1.4859
Total	**7.2000e-004**	**5.7400e-003**	**6.7600e-003**	**4.0000e-005**	**2.6600e-003**	**5.0000e-005**	**2.7000e-003**	**7.2000e-004**	**5.0000e-005**	**7.7000e-004**	**0.0000**	**3.8352**	**3.8352**	**1.4000e-004**	**4.0000e-004**	**3.9575**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2261	0.0000	0.2261	0.1162	0.0000	0.1162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6500e-003	0.0986	0.0617	1.3000e-004		4.4600e-003	4.4600e-003		4.1000e-003	4.1000e-003	0.0000	11.7758	11.7758	3.8100e-003	0.0000	11.8710
Total	**9.6500e-003**	**0.0986**	**0.0617**	**1.3000e-004**	**0.2261**	**4.4600e-003**	**0.2305**	**0.1162**	**4.1000e-003**	**0.1203**	**0.0000**	**11.7758**	**11.7758**	**3.8100e-003**	**0.0000**	**11.8710**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.0300e-003	7.0000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9069	0.9069	3.0000e-005	1.3000e-004	0.9468
Worker	5.3000e-004	3.5000e-004	4.4100e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2705	1.2705	4.0000e-005	3.0000e-005	1.2816
Total	**5.8000e-004**	**2.3800e-003**	**5.1100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.3000e-004**	**2.0000e-005**	**5.5000e-004**	**0.0000**	**2.1774**	**2.1774**	**7.0000e-005**	**1.6000e-004**	**2.2284**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1017	0.0000	0.1017	0.0523	0.0000	0.0523	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6500e-003	0.0986	0.0617	1.3000e-004		4.4600e-003	4.4600e-003		4.1000e-003	4.1000e-003	0.0000	11.7758	11.7758	3.8100e-003	0.0000	11.8710
Total	**9.6500e-003**	**0.0986**	**0.0617**	**1.3000e-004**	**0.1017**	**4.4600e-003**	**0.1062**	**0.0523**	**4.1000e-003**	**0.0564**	**0.0000**	**11.7758**	**11.7758**	**3.8100e-003**	**0.0000**	**11.8710**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.0300e-003	7.0000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9069	0.9069	3.0000e-005	1.3000e-004	0.9468
Worker	5.3000e-004	3.5000e-004	4.4100e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2705	1.2705	4.0000e-005	3.0000e-005	1.2816
Total	**5.8000e-004**	**2.3800e-003**	**5.1100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.3000e-004**	**2.0000e-005**	**5.5000e-004**	**0.0000**	**2.1774**	**2.1774**	**7.0000e-005**	**1.6000e-004**	**2.2284**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5752	0.0000	0.5752	0.2284	0.0000	0.2284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4549	1.1557	2.6100e-003		0.0601	0.0601		0.0553	0.0553	0.0000	229.0860	229.0860	0.0741	0.0000	230.9383
Total	**0.1424**	**1.4549**	**1.1557**	**2.6100e-003**	**0.5752**	**0.0601**	**0.6354**	**0.2284**	**0.0553**	**0.2837**	**0.0000**	**229.0860**	**229.0860**	**0.0741**	**0.0000**	**230.9383**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0110	3.8200e-003	5.0000e-005	1.6600e-003	7.0000e-005	1.7300e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	4.9289	4.9289	1.6000e-004	7.1000e-004	5.1456
Worker	3.1800e-003	2.1000e-003	0.0266	8.0000e-005	0.0100	5.0000e-005	0.0101	2.6600e-003	5.0000e-005	2.7100e-003	0.0000	7.6722	7.6722	2.1000e-004	2.1000e-004	7.7392
Total	**3.4600e-003**	**0.0131**	**0.0304**	**1.3000e-004**	**0.0117**	**1.2000e-004**	**0.0118**	**3.1400e-003**	**1.1000e-004**	**3.2500e-003**	**0.0000**	**12.6011**	**12.6011**	**3.7000e-004**	**9.2000e-004**	**12.8848**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2589	0.0000	0.2589	0.1028	0.0000	0.1028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4549	1.1557	2.6100e-003		0.0601	0.0601		0.0553	0.0553	0.0000	229.0857	229.0857	0.0741	0.0000	230.9380
Total	**0.1424**	**1.4549**	**1.1557**	**2.6100e-003**	**0.2589**	**0.0601**	**0.3190**	**0.1028**	**0.0553**	**0.1581**	**0.0000**	**229.0857**	**229.0857**	**0.0741**	**0.0000**	**230.9380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0110	3.8200e-003	5.0000e-005	1.6600e-003	7.0000e-005	1.7300e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	4.9289	4.9289	1.6000e-004	7.1000e-004	5.1456
Worker	3.1800e-003	2.1000e-003	0.0266	8.0000e-005	0.0100	5.0000e-005	0.0101	2.6600e-003	5.0000e-005	2.7100e-003	0.0000	7.6722	7.6722	2.1000e-004	2.1000e-004	7.7392
Total	**3.4600e-003**	**0.0131**	**0.0304**	**1.3000e-004**	**0.0117**	**1.2000e-004**	**0.0118**	**3.1400e-003**	**1.1000e-004**	**3.2500e-003**	**0.0000**	**12.6011**	**12.6011**	**3.7000e-004**	**9.2000e-004**	**12.8848**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1714	0.2633	4.1000e-004		8.4300e-003	8.4300e-003		7.7600e-003	7.7600e-003	0.0000	36.0478	36.0478	0.0117	0.0000	36.3392
Paving	9.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0187**	**0.1714**	**0.2633**	**4.1000e-004**		**8.4300e-003**	**8.4300e-003**		**7.7600e-003**	**7.7600e-003**	**0.0000**	**36.0478**	**36.0478**	**0.0117**	**0.0000**	**36.3392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.1700e-003	1.1000e-003	1.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.4195	1.4195	4.0000e-005	2.1000e-004	1.4819
Worker	7.3000e-004	4.8000e-004	6.1300e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7677	1.7677	5.0000e-005	5.0000e-005	1.7831
Total	**8.1000e-004**	**3.6500e-003**	**7.2300e-003**	**3.0000e-005**	**2.7900e-003**	**3.0000e-005**	**2.8200e-003**	**7.5000e-004**	**3.0000e-005**	**7.8000e-004**	**0.0000**	**3.1872**	**3.1872**	**9.0000e-005**	**2.6000e-004**	**3.2650**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1714	0.2633	4.1000e-004		8.4300e-003	8.4300e-003		7.7600e-003	7.7600e-003	0.0000	36.0477	36.0477	0.0117	0.0000	36.3392
Paving	9.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0187**	**0.1714**	**0.2633**	**4.1000e-004**		**8.4300e-003**	**8.4300e-003**		**7.7600e-003**	**7.7600e-003**	**0.0000**	**36.0477**	**36.0477**	**0.0117**	**0.0000**	**36.3392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.1700e-003	1.1000e-003	1.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.4195	1.4195	4.0000e-005	2.1000e-004	1.4819
Worker	7.3000e-004	4.8000e-004	6.1300e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7677	1.7677	5.0000e-005	5.0000e-005	1.7831
Total	**8.1000e-004**	**3.6500e-003**	**7.2300e-003**	**3.0000e-005**	**2.7900e-003**	**3.0000e-005**	**2.8200e-003**	**7.5000e-004**	**3.0000e-005**	**7.8000e-004**	**0.0000**	**3.1872**	**3.1872**	**9.0000e-005**	**2.6000e-004**	**3.2650**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1030	0.1749	2.7000e-004		5.0200e-003	5.0200e-003		4.6200e-003	4.6200e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2174
Paving	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0116**	**0.1030**	**0.1749**	**2.7000e-004**		**5.0200e-003**	**5.0200e-003**		**4.6200e-003**	**4.6200e-003**	**0.0000**	**24.0231**	**24.0231**	**7.7700e-003**	**0.0000**	**24.2174**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1000e-003	7.2000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9283	0.9283	3.0000e-005	1.3000e-004	0.9691
Worker	4.6000e-004	2.9000e-004	3.8300e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1384	1.1384	3.0000e-005	3.0000e-005	1.1480
Total	**5.1000e-004**	**2.3900e-003**	**4.5500e-003**	**2.0000e-005**	**1.8600e-003**	**2.0000e-005**	**1.8800e-003**	**5.0000e-004**	**2.0000e-005**	**5.2000e-004**	**0.0000**	**2.0667**	**2.0667**	**6.0000e-005**	**1.6000e-004**	**2.1171**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1030	0.1749	2.7000e-004		5.0200e-003	5.0200e-003		4.6200e-003	4.6200e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2173
Paving	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0116**	**0.1030**	**0.1749**	**2.7000e-004**		**5.0200e-003**	**5.0200e-003**		**4.6200e-003**	**4.6200e-003**	**0.0000**	**24.0231**	**24.0231**	**7.7700e-003**	**0.0000**	**24.2173**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1000e-003	7.2000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9283	0.9283	3.0000e-005	1.3000e-004	0.9691
Worker	4.6000e-004	2.9000e-004	3.8300e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1384	1.1384	3.0000e-005	3.0000e-005	1.1480
Total	**5.1000e-004**	**2.3900e-003**	**4.5500e-003**	**2.0000e-005**	**1.8600e-003**	**2.0000e-005**	**1.8800e-003**	**5.0000e-004**	**2.0000e-005**	**5.2000e-004**	**0.0000**	**2.0667**	**2.0667**	**6.0000e-005**	**1.6000e-004**	**2.1171**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0138	0.1242	0.1438	2.5000e-004		5.5500e-003	5.5500e-003		5.2400e-003	5.2400e-003	0.0000	21.3913	21.3913	4.7000e-003	0.0000	21.5088
Total	**0.0138**	**0.1242**	**0.1438**	**2.5000e-004**		**5.5500e-003**	**5.5500e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**21.3913**	**21.3913**	**4.7000e-003**	**0.0000**	**21.5088**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-004	7.7600e-003	2.6900e-003	4.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	4.0000e-005	3.8000e-004	0.0000	3.4699	3.4699	1.1000e-004	5.0000e-004	3.6225
Worker	1.2900e-003	8.5000e-004	0.0108	3.0000e-005	4.0600e-003	2.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1057	3.1057	9.0000e-005	8.0000e-005	3.1328
Total	**1.4900e-003**	**8.6100e-003**	**0.0135**	**7.0000e-005**	**5.2300e-003**	**7.0000e-005**	**5.3000e-003**	**1.4200e-003**	**6.0000e-005**	**1.4800e-003**	**0.0000**	**6.5757**	**6.5757**	**2.0000e-004**	**5.8000e-004**	**6.7553**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0138	0.1242	0.1438	2.5000e-004		5.5500e-003	5.5500e-003		5.2400e-003	5.2400e-003	0.0000	21.3913	21.3913	4.7000e-003	0.0000	21.5088
Total	**0.0138**	**0.1242**	**0.1438**	**2.5000e-004**		**5.5500e-003**	**5.5500e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**21.3913**	**21.3913**	**4.7000e-003**	**0.0000**	**21.5088**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-004	7.7600e-003	2.6900e-003	4.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	4.0000e-005	3.8000e-004	0.0000	3.4699	3.4699	1.1000e-004	5.0000e-004	3.6225
Worker	1.2900e-003	8.5000e-004	0.0108	3.0000e-005	4.0600e-003	2.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1057	3.1057	9.0000e-005	8.0000e-005	3.1328
Total	**1.4900e-003**	**8.6100e-003**	**0.0135**	**7.0000e-005**	**5.2300e-003**	**7.0000e-005**	**5.3000e-003**	**1.4200e-003**	**6.0000e-005**	**1.4800e-003**	**0.0000**	**6.5757**	**6.5757**	**2.0000e-004**	**5.8000e-004**	**6.7553**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	1.3680	1.6965	2.9600e-003		0.0570	0.0570		0.0538	0.0538	0.0000	253.8402	253.8402	0.0554	0.0000	255.2241
Total	**0.1520**	**1.3680**	**1.6965**	**2.9600e-003**		**0.0570**	**0.0570**		**0.0538**	**0.0538**	**0.0000**	**253.8402**	**253.8402**	**0.0554**	**0.0000**	**255.2241**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2800e-003	0.0912	0.0314	4.1000e-004	0.0139	5.5000e-004	0.0144	4.0000e-003	5.2000e-004	4.5300e-003	0.0000	40.3814	40.3814	1.3300e-003	5.8500e-003	42.1571
Worker	0.0144	9.1400e-003	0.1198	3.9000e-004	0.0481	2.4000e-004	0.0484	0.0128	2.2000e-004	0.0130	0.0000	35.5919	35.5919	9.4000e-004	9.3000e-004	35.8931
Total	**0.0167**	**0.1003**	**0.1512**	**8.0000e-004**	**0.0620**	**7.9000e-004**	**0.0628**	**0.0168**	**7.4000e-004**	**0.0175**	**0.0000**	**75.9732**	**75.9732**	**2.2700e-003**	**6.7800e-003**	**78.0501**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	1.3680	1.6965	2.9600e-003		0.0570	0.0570		0.0538	0.0538	0.0000	253.8399	253.8399	0.0554	0.0000	255.2238
Total	**0.1520**	**1.3680**	**1.6965**	**2.9600e-003**		**0.0570**	**0.0570**		**0.0538**	**0.0538**	**0.0000**	**253.8399**	**253.8399**	**0.0554**	**0.0000**	**255.2238**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2800e-003	0.0912	0.0314	4.1000e-004	0.0139	5.5000e-004	0.0144	4.0000e-003	5.2000e-004	4.5300e-003	0.0000	40.3814	40.3814	1.3300e-003	5.8500e-003	42.1571
Worker	0.0144	9.1400e-003	0.1198	3.9000e-004	0.0481	2.4000e-004	0.0484	0.0128	2.2000e-004	0.0130	0.0000	35.5919	35.5919	9.4000e-004	9.3000e-004	35.8931
Total	**0.0167**	**0.1003**	**0.1512**	**8.0000e-004**	**0.0620**	**7.9000e-004**	**0.0628**	**0.0168**	**7.4000e-004**	**0.0175**	**0.0000**	**75.9732**	**75.9732**	**2.2700e-003**	**6.7800e-003**	**78.0501**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0629	0.5661	0.7020	1.2300e-003		0.0236	0.0236		0.0223	0.0223	0.0000	105.0373	105.0373	0.0229	0.0000	105.6100
Total	**0.0629**	**0.5661**	**0.7020**	**1.2300e-003**		**0.0236**	**0.0236**		**0.0223**	**0.0223**	**0.0000**	**105.0373**	**105.0373**	**0.0229**	**0.0000**	**105.6100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0373	0.0128	1.7000e-004	5.7400e-003	2.2000e-004	5.9600e-003	1.6600e-003	2.1000e-004	1.8700e-003	0.0000	16.3905	16.3905	5.6000e-004	2.3700e-003	17.1116
Worker	5.6200e-003	3.4500e-003	0.0467	1.6000e-004	0.0199	9.0000e-005	0.0200	5.2900e-003	9.0000e-005	5.3800e-003	0.0000	14.2675	14.2675	3.6000e-004	3.6000e-004	14.3850
Total	**6.5400e-003**	**0.0408**	**0.0596**	**3.3000e-004**	**0.0257**	**3.1000e-004**	**0.0260**	**6.9500e-003**	**3.0000e-004**	**7.2500e-003**	**0.0000**	**30.6580**	**30.6580**	**9.2000e-004**	**2.7300e-003**	**31.4966**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0629	0.5661	0.7020	1.2300e-003		0.0236	0.0236		0.0223	0.0223	0.0000	105.0372	105.0372	0.0229	0.0000	105.6098
Total	**0.0629**	**0.5661**	**0.7020**	**1.2300e-003**		**0.0236**	**0.0236**		**0.0223**	**0.0223**	**0.0000**	**105.0372**	**105.0372**	**0.0229**	**0.0000**	**105.6098**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0373	0.0128	1.7000e-004	5.7400e-003	2.2000e-004	5.9600e-003	1.6600e-003	2.1000e-004	1.8700e-003	0.0000	16.3905	16.3905	5.6000e-004	2.3700e-003	17.1116
Worker	5.6200e-003	3.4500e-003	0.0467	1.6000e-004	0.0199	9.0000e-005	0.0200	5.2900e-003	9.0000e-005	5.3800e-003	0.0000	14.2675	14.2675	3.6000e-004	3.6000e-004	14.3850
Total	**6.5400e-003**	**0.0408**	**0.0596**	**3.3000e-004**	**0.0257**	**3.1000e-004**	**0.0260**	**6.9500e-003**	**3.0000e-004**	**7.2500e-003**	**0.0000**	**30.6580**	**30.6580**	**9.2000e-004**	**2.7300e-003**	**31.4966**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1220	0.1927	3.2000e-004		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	27.1922	27.1922	1.4800e-003	0.0000	27.2292
Total	**0.3245**	**0.1220**	**0.1927**	**3.2000e-004**		**5.4900e-003**	**5.4900e-003**		**5.4900e-003**	**5.4900e-003**	**0.0000**	**27.1922**	**27.1922**	**1.4800e-003**	**0.0000**	**27.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7000e-004	0.0186	6.4100e-003	8.0000e-005	2.8300e-003	1.1000e-004	2.9400e-003	8.2000e-004	1.1000e-004	9.2000e-004	0.0000	8.2387	8.2387	2.7000e-004	1.1900e-003	8.6010
Worker	2.5500e-003	1.6200e-003	0.0213	7.0000e-005	8.5400e-003	4.0000e-005	8.5800e-003	2.2700e-003	4.0000e-005	2.3100e-003	0.0000	6.3144	6.3144	1.7000e-004	1.7000e-004	6.3678
Total	**3.0200e-003**	**0.0202**	**0.0277**	**1.5000e-004**	**0.0114**	**1.5000e-004**	**0.0115**	**3.0900e-003**	**1.5000e-004**	**3.2300e-003**	**0.0000**	**14.5531**	**14.5531**	**4.4000e-004**	**1.3600e-003**	**14.9688**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1220	0.1927	3.2000e-004		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	27.1921	27.1921	1.4800e-003	0.0000	27.2292
Total	**0.3245**	**0.1220**	**0.1927**	**3.2000e-004**		**5.4900e-003**	**5.4900e-003**		**5.4900e-003**	**5.4900e-003**	**0.0000**	**27.1921**	**27.1921**	**1.4800e-003**	**0.0000**	**27.2292**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7000e-004	0.0186	6.4100e-003	8.0000e-005	2.8300e-003	1.1000e-004	2.9400e-003	8.2000e-004	1.1000e-004	9.2000e-004	0.0000	8.2387	8.2387	2.7000e-004	1.1900e-003	8.6010
Worker	2.5500e-003	1.6200e-003	0.0213	7.0000e-005	8.5400e-003	4.0000e-005	8.5800e-003	2.2700e-003	4.0000e-005	2.3100e-003	0.0000	6.3144	6.3144	1.7000e-004	1.7000e-004	6.3678
Total	**3.0200e-003**	**0.0202**	**0.0277**	**1.5000e-004**	**0.0114**	**1.5000e-004**	**0.0115**	**3.0900e-003**	**1.5000e-004**	**3.2300e-003**	**0.0000**	**14.5531**	**14.5531**	**4.4000e-004**	**1.3600e-003**	**14.9688**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2300e-003	0.0619	0.0977	1.6000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.1645**	**0.0619**	**0.0977**	**1.6000e-004**		**2.7800e-003**	**2.7800e-003**		**2.7800e-003**	**2.7800e-003**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	9.3300e-003	3.2100e-003	4.0000e-005	1.4300e-003	6.0000e-005	1.4900e-003	4.1000e-004	5.0000e-005	4.7000e-004	0.0000	4.0976	4.0976	1.4000e-004	5.9000e-004	4.2779
Worker	1.2200e-003	7.5000e-004	0.0102	3.0000e-005	4.3300e-003	2.0000e-005	4.3500e-003	1.1500e-003	2.0000e-005	1.1700e-003	0.0000	3.1016	3.1016	8.0000e-005	8.0000e-005	3.1272
Total	**1.4500e-003**	**0.0101**	**0.0134**	**7.0000e-005**	**5.7600e-003**	**8.0000e-005**	**5.8400e-003**	**1.5600e-003**	**7.0000e-005**	**1.6400e-003**	**0.0000**	**7.1993**	**7.1993**	**2.2000e-004**	**6.7000e-004**	**7.4051**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2300e-003	0.0619	0.0977	1.6000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.1645**	**0.0619**	**0.0977**	**1.6000e-004**		**2.7800e-003**	**2.7800e-003**		**2.7800e-003**	**2.7800e-003**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	9.3300e-003	3.2100e-003	4.0000e-005	1.4300e-003	6.0000e-005	1.4900e-003	4.1000e-004	5.0000e-005	4.7000e-004	0.0000	4.0976	4.0976	1.4000e-004	5.9000e-004	4.2779
Worker	1.2200e-003	7.5000e-004	0.0102	3.0000e-005	4.3300e-003	2.0000e-005	4.3500e-003	1.1500e-003	2.0000e-005	1.1700e-003	0.0000	3.1016	3.1016	8.0000e-005	8.0000e-005	3.1272
Total	**1.4500e-003**	**0.0101**	**0.0134**	**7.0000e-005**	**5.7600e-003**	**8.0000e-005**	**5.8400e-003**	**1.5600e-003**	**7.0000e-005**	**1.6400e-003**	**0.0000**	**7.1993**	**7.1993**	**2.2000e-004**	**6.7000e-004**	**7.4051**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2563	0.2571	2.2104	4.4600e-003	0.5042	3.5000e-003	0.5077	0.1346	3.2600e-003	0.1378	0.0000	412.7686	412.7686	0.0321	0.0200	419.5239
Unmitigated	0.2563	0.2571	2.2104	4.4600e-003	0.5042	3.5000e-003	0.5077	0.1346	3.2600e-003	0.1378	0.0000	412.7686	412.7686	0.0321	0.0200	419.5239

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	640.00	640.00	640.00	1,348,036	1,348,036
Total	640.00	640.00	640.00	1,348,036	1,348,036

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.79	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559
Single Family Housing	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.8076	122.8076	7.5100e-003	9.1000e-004	123.2663
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.8076	122.8076	7.5100e-003	9.1000e-004	123.2663
NaturalGas Mitigated	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
NaturalGas Unmitigated	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.38121e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
Total		**7.4500e-003**	**0.0636**	**0.0271**	**4.1000e-004**		**5.1500e-003**	**5.1500e-003**		**5.1500e-003**	**5.1500e-003**	**0.0000**	**73.7068**	**73.7068**	**1.4100e-003**	**1.3500e-003**	**74.1449**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.38121e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
Total		**7.4500e-003**	**0.0636**	**0.0271**	**4.1000e-004**		**5.1500e-003**	**5.1500e-003**		**5.1500e-003**	**5.1500e-003**	**0.0000**	**73.7068**	**73.7068**	**1.4100e-003**	**1.3500e-003**	**74.1449**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	501397	122.8076	7.5100e-003	9.1000e-004	123.2663
Total		**122.8076**	**7.5100e-003**	**9.1000e-004**	**123.2663**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	501397	122.8076	7.5100e-003	9.1000e-004	123.2663
Total		**122.8076**	**7.5100e-003**	**9.1000e-004**	**123.2663**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Unmitigated	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0900e-003	0.0435	0.0185	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	50.4096	50.4096	9.7000e-004	9.2000e-004	50.7092
Landscaping	0.0143	5.4700e-003	0.4752	3.0000e-005		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	0.7772	0.7772	7.5000e-004	0.0000	0.7958
Total	**0.5189**	**0.0490**	**0.4938**	**3.1000e-004**		**6.1600e-003**	**6.1600e-003**		**6.1600e-003**	**6.1600e-003**	**0.0000**	**51.1868**	**51.1868**	**1.7200e-003**	**9.2000e-004**	**51.5050**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0900e-003	0.0435	0.0185	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	50.4096	50.4096	9.7000e-004	9.2000e-004	50.7092
Landscaping	0.0143	5.4700e-003	0.4752	3.0000e-005		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	0.7772	0.7772	7.5000e-004	0.0000	0.7958
Total	**0.5189**	**0.0490**	**0.4938**	**3.1000e-004**		**6.1600e-003**	**6.1600e-003**		**6.1600e-003**	**6.1600e-003**	**0.0000**	**51.1868**	**51.1868**	**1.7200e-003**	**9.2000e-004**	**51.5050**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.7751	0.1371	3.3600e-003	26.2044
Unmitigated	21.7751	0.1371	3.3600e-003	26.2044

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.16986 / 2.62882	21.7751	0.1371	3.3600e-003	26.2044
Total		**21.7751**	**0.1371**	**3.3600e-003**	**26.2044**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.16986 / 2.62882	21.7751	0.1371	3.3600e-003	26.2044
Total		**21.7751**	**0.1371**	**3.3600e-003**	**26.2044**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.2304	0.9001	0.0000	37.7327
Unmitigated	15.2304	0.9001	0.0000	37.7327

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	75.03	15.2304	0.9001	0.0000	37.7327
Total		**15.2304**	**0.9001**	**0.0000**	**37.7327**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	75.03	15.2304	0.9001	0.0000	37.7327
Total		**15.2304**	**0.9001**	**0.0000**	**37.7327**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Oak Knoll Project - San Diego County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Oak Knoll Project

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	52.81	1000sqft	1.21	52,811.00	0
Single Family Housing	64.00	Dwelling Unit	20.78	115,200.00	183

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2026
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on project description.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - CalEEMod defaults. Odd trips were rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Oak Knoll Project - San Diego County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Based on existing land uses onsite.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - Based on Transportation Impact Study for project.

Woodstoves - Natural gas hearth only.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SDAPCD Rule 55.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	321.00
tblConstructionPhase	NumDays	370.00	391.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	35.00	125.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	23.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

Oak Knoll Project - San Diego County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberGas	35.20	64.00
tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	22.40	0.00
tblLandUse	LandUseSquareFeet	52,810.00	52,811.00
tblTripsAndVMT	HaulingTripNumber	39.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	15.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	5.79
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.00
tblVehicleTrips	SU_TR	8.55	10.00
tblVehicleTrips	WD_TR	9.44	10.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.8083	45.2430	48.3859	0.0978	19.8320	1.9445	20.2214	10.1495	1.8018	10.5078	0.0000	9,494.6562	9,494.6562	2.5231	0.0895	9,584.3997
2025	4.3690	19.9933	29.1741	0.0536	0.6448	0.8626	1.5074	0.1741	0.8047	0.9788	0.0000	5,201.9109	5,201.9109	1.2056	0.0716	5,253.3896
2026	4.3609	12.5331	16.2078	0.0332	0.5955	0.4952	1.0907	0.1610	0.4708	0.6318	0.0000	3,215.3344	3,215.3344	0.5058	0.0690	3,248.5268
Maximum	**4.8083**	**45.2430**	**48.3859**	**0.0978**	**19.8320**	**1.9445**	**20.2214**	**10.1495**	**1.8018**	**10.5078**	**0.0000**	**9,494.6562**	**9,494.6562**	**2.5231**	**0.0895**	**9,584.3997**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.8083	45.2430	48.3859	0.0978	9.0206	1.9445	9.4100	4.5931	1.8018	4.9514	0.0000	9,494.6562	9,494.6562	2.5231	0.0895	9,584.3996
2025	4.3690	19.9933	29.1741	0.0536	0.6448	0.8626	1.5074	0.1741	0.8047	0.9788	0.0000	5,201.9109	5,201.9109	1.2056	0.0716	5,253.3896
2026	4.3609	12.5331	16.2078	0.0332	0.5955	0.4952	1.0907	0.1610	0.4708	0.6318	0.0000	3,215.3344	3,215.3344	0.5058	0.0690	3,248.5268
Maximum	**4.8083**	**45.2430**	**48.3859**	**0.0978**	**9.0206**	**1.9445**	**9.4100**	**4.5931**	**1.8018**	**4.9514**	**0.0000**	**9,494.6562**	**9,494.6562**	**2.5231**	**0.0895**	**9,584.3996**

Oak Knoll Project - San Diego County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.31	0.00	47.38	53.00	0.00	45.85	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Energy	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Mobile	1.4841	1.3192	11.9402	0.0255	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,597.0092	2,597.0092	0.1863	0.1160	2,636.2338
Total	**4.5450**	**2.7904**	**17.8208**	**0.0348**	**2.8376**	**0.1626**	**3.0001**	**0.7559**	**0.1613**	**0.9171**	**0.0000**	**4,407.0161**	**4,407.0161**	**0.2299**	**0.1490**	**4,457.1685**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Energy	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Mobile	1.4841	1.3192	11.9402	0.0255	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,597.0092	2,597.0092	0.1863	0.1160	2,636.2338
Total	**4.5450**	**2.7904**	**17.8208**	**0.0348**	**2.8376**	**0.1626**	**3.0001**	**0.7559**	**0.1613**	**0.9171**	**0.0000**	**4,407.0161**	**4,407.0161**	**0.2299**	**0.1490**	**4,457.1685**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/6/2024	3/18/2024	5	30	
2	Site Preparation	Site Preparation	4/15/2024	5/15/2024	5	23	
3	Grading	Grading	6/18/2024	12/9/2024	5	125	
4	Paving	Paving	11/12/2024	2/3/2025	5	60	
5	Building Construction	Building Construction	12/1/2024	6/1/2026	5	391	
6	Architectural Coating	Architectural Coating	3/8/2025	6/1/2026	5	321	

Acres of Grading (Site Preparation Phase): 34.5

Acres of Grading (Grading Phase): 375

Acres of Paving: 1.21

Residential Indoor: 233,280; Residential Outdoor: 77,760; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,169 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	4.00	40.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	46.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2874	0.0000	0.2874	0.0435	0.0000	0.0435			0.0000			0.0000
Off-Road	0.6370	5.2654	9.1507	0.0145		0.2461	0.2461		0.2353	0.2353		1,394.6968	1,394.6968	0.2876		1,401.8855
Total	**0.6370**	**5.2654**	**9.1507**	**0.0145**	**0.2874**	**0.2461**	**0.5335**	**0.0435**	**0.2353**	**0.2788**		**1,394.6968**	**1,394.6968**	**0.2876**		**1,401.8855**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9800e-003	0.1729	0.0486	7.8000e-004	0.0233	1.4900e-003	0.0248	6.3900e-003	1.4200e-003	7.8200e-003		86.6182	86.6182	4.5800e-003	0.0138	90.8405
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0411	0.0244	0.3582	1.1200e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		113.5294	113.5294	2.9000e-003	2.7300e-003	114.4167
Total	**0.0486**	**0.3676**	**0.4672**	**2.7000e-003**	**0.1819**	**3.2100e-003**	**0.1851**	**0.0491**	**3.0400e-003**	**0.0521**		**287.0248**	**287.0248**	**0.0102**	**0.0291**	**295.9514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1293	0.0000	0.1293	0.0196	0.0000	0.0196			0.0000			0.0000
Off-Road	0.6370	5.2654	9.1507	0.0145		0.2461	0.2461		0.2353	0.2353	0.0000	1,394.6968	1,394.6968	0.2876		1,401.8855
Total	**0.6370**	**5.2654**	**9.1507**	**0.0145**	**0.1293**	**0.2461**	**0.3754**	**0.0196**	**0.2353**	**0.2548**	**0.0000**	**1,394.6968**	**1,394.6968**	**0.2876**		**1,401.8855**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9800e-003	0.1729	0.0486	7.8000e-004	0.0233	1.4900e-003	0.0248	6.3900e-003	1.4200e-003	7.8200e-003		86.6182	86.6182	4.5800e-003	0.0138	90.8405
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0411	0.0244	0.3582	1.1200e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		113.5294	113.5294	2.9000e-003	2.7300e-003	114.4167
Total	**0.0486**	**0.3676**	**0.4672**	**2.7000e-003**	**0.1819**	**3.2100e-003**	**0.1851**	**0.0491**	**3.0400e-003**	**0.0521**		**287.0248**	**287.0248**	**0.0102**	**0.0291**	**295.9514**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	0.8390	8.5759	5.3667	0.0117		0.3876	0.3876		0.3566	0.3566		1,128.7477	1,128.7477	0.3651		1,137.8742
Total	**0.8390**	**8.5759**	**5.3667**	**0.0117**	**19.6570**	**0.3876**	**20.0446**	**10.1025**	**0.3566**	**10.4591**		**1,128.7477**	**1,128.7477**	**0.3651**		**1,137.8742**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0462	0.0275	0.4030	1.2600e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		127.7206	127.7206	3.2600e-003	3.0800e-003	128.7188
Total	**0.0508**	**0.1978**	**0.4634**	**2.0600e-003**	**0.1750**	**1.8000e-003**	**0.1768**	**0.0470**	**1.6900e-003**	**0.0487**		**214.5978**	**214.5978**	**6.0000e-003**	**0.0157**	**219.4129**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.8390	8.5759	5.3667	0.0117		0.3876	0.3876		0.3566	0.3566	0.0000	1,128.7477	1,128.7477	0.3651		1,137.8742
Total	**0.8390**	**8.5759**	**5.3667**	**0.0117**	**8.8457**	**0.3876**	**9.2333**	**4.5461**	**0.3566**	**4.9027**	**0.0000**	**1,128.7477**	**1,128.7477**	**0.3651**		**1,137.8742**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0462	0.0275	0.4030	1.2600e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		127.7206	127.7206	3.2600e-003	3.0800e-003	128.7188
Total	**0.0508**	**0.1978**	**0.4634**	**2.0600e-003**	**0.1750**	**1.8000e-003**	**0.1768**	**0.0470**	**1.6900e-003**	**0.0487**		**214.5978**	**214.5978**	**6.0000e-003**	**0.0157**	**219.4129**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.2778	23.2784	18.4908	0.0417		0.9621	0.9621		0.8852	0.8852		4,040.3853	4,040.3853	1.3067		4,073.0539
Total	**2.2778**	**23.2784**	**18.4908**	**0.0417**	**9.2036**	**0.9621**	**10.1657**	**3.6538**	**0.8852**	**4.5389**		**4,040.3853**	**4,040.3853**	**1.3067**		**4,073.0539**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0513	0.0305	0.4478	1.4000e-003	0.1643	8.4000e-004	0.1651	0.0436	7.7000e-004	0.0444		141.9117	141.9117	3.6200e-003	3.4200e-003	143.0209
Total	**0.0559**	**0.2008**	**0.5081**	**2.2000e-003**	**0.1914**	**1.8900e-003**	**0.1933**	**0.0514**	**1.7700e-003**	**0.0532**		**228.7890**	**228.7890**	**6.3600e-003**	**0.0160**	**233.7150**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	2.2778	23.2784	18.4908	0.0417		0.9621	0.9621		0.8852	0.8852	0.0000	4,040.3853	4,040.3853	1.3067		4,073.0539
Total	**2.2778**	**23.2784**	**18.4908**	**0.0417**	**4.1416**	**0.9621**	**5.1037**	**1.6442**	**0.8852**	**2.5294**	**0.0000**	**4,040.3853**	**4,040.3853**	**1.3067**		**4,073.0539**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0513	0.0305	0.4478	1.4000e-003	0.1643	8.4000e-004	0.1651	0.0436	7.7000e-004	0.0444		141.9117	141.9117	3.6200e-003	3.4200e-003	143.0209
Total	**0.0559**	**0.2008**	**0.5081**	**2.2000e-003**	**0.1914**	**1.8900e-003**	**0.1933**	**0.0514**	**1.7700e-003**	**0.0532**		**228.7890**	**228.7890**	**6.3600e-003**	**0.0160**	**233.7150**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0410**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0411	0.0244	0.3582	1.1200e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		113.5294	113.5294	2.9000e-003	2.7300e-003	114.4167
Total	**0.0457**	**0.1947**	**0.4186**	**1.9200e-003**	**0.1585**	**1.7200e-003**	**0.1603**	**0.0427**	**1.6200e-003**	**0.0443**		**200.4066**	**200.4066**	**5.6400e-003**	**0.0153**	**205.1108**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0410**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-003	0.1703	0.0604	8.0000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		86.8772	86.8772	2.7400e-003	0.0126	90.6941
Worker	0.0411	0.0244	0.3582	1.1200e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		113.5294	113.5294	2.9000e-003	2.7300e-003	114.4167
Total	**0.0457**	**0.1947**	**0.4186**	**1.9200e-003**	**0.1585**	**1.7200e-003**	**0.1603**	**0.0427**	**1.6200e-003**	**0.0443**		**200.4066**	**200.4066**	**5.6400e-003**	**0.0153**	**205.1108**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9680**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Oak Knoll Project - San Diego County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1686	0.0593	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		85.2199	85.2199	2.8100e-003	0.0123	88.9652
Worker	0.0387	0.0221	0.3354	1.0800e-003	0.1314	6.4000e-004	0.1321	0.0349	5.9000e-004	0.0355		109.6571	109.6571	2.6400e-003	2.5700e-003	110.4881
Total	**0.0431**	**0.1907**	**0.3947**	**1.8700e-003**	**0.1585**	**1.6900e-003**	**0.1602**	**0.0427**	**1.5900e-003**	**0.0443**		**194.8771**	**194.8771**	**5.4500e-003**	**0.0149**	**199.4533**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9680**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1686	0.0593	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		85.2199	85.2199	2.8100e-003	0.0123	88.9652
Worker	0.0387	0.0221	0.3354	1.0800e-003	0.1314	6.4000e-004	0.1321	0.0349	5.9000e-004	0.0355		109.6571	109.6571	2.6400e-003	2.5700e-003	110.4881
Total	**0.0431**	**0.1907**	**0.3947**	**1.8700e-003**	**0.1585**	**1.6900e-003**	**0.1602**	**0.0427**	**1.5900e-003**	**0.0443**		**194.8771**	**194.8771**	**5.4500e-003**	**0.0149**	**199.4533**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2514	11.2930	13.0714	0.0227		0.5041	0.5041		0.4765	0.4765		2,143.6222	2,143.6222	0.4711		2,155.3991
Total	**1.2514**	**11.2930**	**13.0714**	**0.0227**		**0.5041**	**0.5041**		**0.4765**	**0.4765**		**2,143.6222**	**2,143.6222**	**0.4711**		**2,155.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0184	0.6812	0.2414	3.2100e-003	0.1084	4.2000e-003	0.1126	0.0312	4.0200e-003	0.0352		347.5089	347.5089	0.0110	0.0503	362.7765
Worker	0.1180	0.0702	1.0299	3.2300e-003	0.3779	1.9300e-003	0.3798	0.1002	1.7800e-003	0.1020		326.3970	326.3970	8.3300e-003	7.8600e-003	328.9480
Total	**0.1364**	**0.7514**	**1.2713**	**6.4400e-003**	**0.4862**	**6.1300e-003**	**0.4924**	**0.1314**	**5.8000e-003**	**0.1372**		**673.9059**	**673.9059**	**0.0193**	**0.0582**	**691.7245**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2514	11.2930	13.0714	0.0227		0.5041	0.5041		0.4765	0.4765	0.0000	2,143.6222	2,143.6222	0.4711		2,155.3991
Total	**1.2514**	**11.2930**	**13.0714**	**0.0227**		**0.5041**	**0.5041**		**0.4765**	**0.4765**	**0.0000**	**2,143.6222**	**2,143.6222**	**0.4711**		**2,155.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0184	0.6812	0.2414	3.2100e-003	0.1084	4.2000e-003	0.1126	0.0312	4.0200e-003	0.0352		347.5089	347.5089	0.0110	0.0503	362.7765
Worker	0.1180	0.0702	1.0299	3.2300e-003	0.3779	1.9300e-003	0.3798	0.1002	1.7800e-003	0.1020		326.3970	326.3970	8.3300e-003	7.8600e-003	328.9480
Total	**0.1364**	**0.7514**	**1.2713**	**6.4400e-003**	**0.4862**	**6.1300e-003**	**0.4924**	**0.1314**	**5.8000e-003**	**0.1372**		**673.9059**	**673.9059**	**0.0193**	**0.0582**	**691.7245**

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124		2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**		**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.6745	0.2374	3.1500e-003	0.1084	4.1900e-003	0.1126	0.0312	4.0000e-003	0.0352		340.8797	340.8797	0.0112	0.0493	355.8608
Worker	0.1112	0.0635	0.9641	3.1200e-003	0.3779	1.8400e-003	0.3797	0.1002	1.7000e-003	0.1019		315.2643	315.2643	7.5800e-003	7.3800e-003	317.6532
Total	**0.1290**	**0.7380**	**1.2015**	**6.2700e-003**	**0.4862**	**6.0300e-003**	**0.4923**	**0.1314**	**5.7000e-003**	**0.1371**		**656.1440**	**656.1440**	**0.0188**	**0.0567**	**673.5140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124	0.0000	2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**	**0.0000**	**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.6745	0.2374	3.1500e-003	0.1084	4.1900e-003	0.1126	0.0312	4.0000e-003	0.0352		340.8797	340.8797	0.0112	0.0493	355.8608
Worker	0.1112	0.0635	0.9641	3.1200e-003	0.3779	1.8400e-003	0.3797	0.1002	1.7000e-003	0.1019		315.2643	315.2643	7.5800e-003	7.3800e-003	317.6532
Total	**0.1290**	**0.7380**	**1.2015**	**6.2700e-003**	**0.4862**	**6.0300e-003**	**0.4923**	**0.1314**	**5.7000e-003**	**0.1371**		**656.1440**	**656.1440**	**0.0188**	**0.0567**	**673.5140**

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124		2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**		**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0174	0.6673	0.2344	3.0800e-003	0.1084	4.1500e-003	0.1125	0.0312	3.9700e-003	0.0352		334.3675	334.3675	0.0115	0.0484	349.0687
Worker	0.1050	0.0580	0.9082	3.0200e-003	0.3779	1.7500e-003	0.3796	0.1002	1.6100e-003	0.1018		305.3926	305.3926	6.9400e-003	6.9800e-003	307.6452
Total	**0.1224**	**0.7252**	**1.1426**	**6.1000e-003**	**0.4863**	**5.9000e-003**	**0.4922**	**0.1314**	**5.5800e-003**	**0.1370**		**639.7601**	**639.7601**	**0.0185**	**0.0554**	**656.7139**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124	0.0000	2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**	**0.0000**	**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0174	0.6673	0.2344	3.0800e-003	0.1084	4.1500e-003	0.1125	0.0312	3.9700e-003	0.0352		334.3675	334.3675	0.0115	0.0484	349.0687
Worker	0.1050	0.0580	0.9082	3.0200e-003	0.3779	1.7500e-003	0.3796	0.1002	1.6100e-003	0.1018		305.3926	305.3926	6.9400e-003	6.9800e-003	307.6452
Total	**0.1224**	**0.7252**	**1.1426**	**6.1000e-003**	**0.4863**	**5.9000e-003**	**0.4922**	**0.1314**	**5.5800e-003**	**0.1370**		**639.7601**	**639.7601**	**0.0185**	**0.0554**	**656.7139**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1686	0.0593	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		85.2199	85.2199	2.8100e-003	0.0123	88.9652
Worker	0.0242	0.0138	0.2096	6.8000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		68.5357	68.5357	1.6500e-003	1.6000e-003	69.0551
Total	**0.0286**	**0.1824**	**0.2689**	**1.4700e-003**	**0.1092**	**1.4500e-003**	**0.1107**	**0.0296**	**1.3700e-003**	**0.0310**		**153.7556**	**153.7556**	**4.4600e-003**	**0.0139**	**158.0203**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1686	0.0593	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		85.2199	85.2199	2.8100e-003	0.0123	88.9652
Worker	0.0242	0.0138	0.2096	6.8000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		68.5357	68.5357	1.6500e-003	1.6000e-003	69.0551
Total	**0.0286**	**0.1824**	**0.2689**	**1.4700e-003**	**0.1092**	**1.4500e-003**	**0.1107**	**0.0296**	**1.3700e-003**	**0.0310**		**153.7556**	**153.7556**	**4.4600e-003**	**0.0139**	**158.0203**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3400e-003	0.1668	0.0586	7.7000e-004	0.0271	1.0400e-003	0.0281	7.8000e-003	9.9000e-004	8.7900e-003		83.5919	83.5919	2.8800e-003	0.0121	87.2672
Worker	0.0228	0.0126	0.1974	6.6000e-004	0.0822	3.8000e-004	0.0825	0.0218	3.5000e-004	0.0221		66.3897	66.3897	1.5100e-003	1.5200e-003	66.8794
Total	**0.0272**	**0.1794**	**0.2560**	**1.4300e-003**	**0.1092**	**1.4200e-003**	**0.1107**	**0.0296**	**1.3400e-003**	**0.0309**		**149.9816**	**149.9816**	**4.3900e-003**	**0.0136**	**154.1466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3400e-003	0.1668	0.0586	7.7000e-004	0.0271	1.0400e-003	0.0281	7.8000e-003	9.9000e-004	8.7900e-003		83.5919	83.5919	2.8800e-003	0.0121	87.2672
Worker	0.0228	0.0126	0.1974	6.6000e-004	0.0822	3.8000e-004	0.0825	0.0218	3.5000e-004	0.0221		66.3897	66.3897	1.5100e-003	1.5200e-003	66.8794
Total	**0.0272**	**0.1794**	**0.2560**	**1.4300e-003**	**0.1092**	**1.4200e-003**	**0.1107**	**0.0296**	**1.3400e-003**	**0.0309**		**149.9816**	**149.9816**	**4.3900e-003**	**0.0136**	**154.1466**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4841	1.3192	11.9402	0.0255	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,597.0092	2,597.0092	0.1863	0.1160	2,636.2338
Unmitigated	1.4841	1.3192	11.9402	0.0255	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,597.0092	2,597.0092	0.1863	0.1160	2,636.2338

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	640.00	640.00	640.00	1,348,036	1,348,036
Total	640.00	640.00	640.00	1,348,036	1,348,036

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.79	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559
Single Family Housing	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559

5.0 Energy Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
NaturalGas Unmitigated	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3784.15	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Total		**0.0408**	**0.3487**	**0.1484**	**2.2300e-003**		**0.0282**	**0.0282**		**0.0282**	**0.0282**		**445.1939**	**445.1939**	**8.5300e-003**	**8.1600e-003**	**447.8395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.78415	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Total		**0.0408**	**0.3487**	**0.1484**	**2.2300e-003**		**0.0282**	**0.0282**		**0.0282**	**0.0282**		**445.1939**	**445.1939**	**8.5300e-003**	**8.1600e-003**	**447.8395**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Unmitigated	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1242	1.0617	0.4518	6.7800e-003		0.0858	0.0858		0.0858	0.0858	0.0000	1,355.2941	1,355.2941	0.0260	0.0249	1,363.3480
Landscaping	0.1589	0.0608	5.2805	2.8000e-004		0.0293	0.0293		0.0293	0.0293		9.5189	9.5189	9.1300e-003		9.7473
Total	**3.0200**	**1.1225**	**5.7322**	**7.0600e-003**		**0.1151**	**0.1151**		**0.1151**	**0.1151**	**0.0000**	**1,364.8130**	**1,364.8130**	**0.0351**	**0.0249**	**1,373.0952**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1242	1.0617	0.4518	6.7800e-003		0.0858	0.0858		0.0858	0.0858	0.0000	1,355.2941	1,355.2941	0.0260	0.0249	1,363.3480
Landscaping	0.1589	0.0608	5.2805	2.8000e-004		0.0293	0.0293		0.0293	0.0293		9.5189	9.5189	9.1300e-003		9.7473
Total	**3.0200**	**1.1225**	**5.7322**	**7.0600e-003**		**0.1151**	**0.1151**		**0.1151**	**0.1151**	**0.0000**	**1,364.8130**	**1,364.8130**	**0.0351**	**0.0249**	**1,373.0952**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Oak Knoll Project - San Diego County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Oak Knoll Project

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	52.81	1000sqft	1.21	52,811.00	0
Single Family Housing	64.00	Dwelling Unit	20.78	115,200.00	183

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2026
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on project description.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - CalEEMod defaults. Odd trips were rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Oak Knoll Project - San Diego County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Based on existing land uses onsite.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - Based on Transportation Impact Study for project.

Woodstoves - Natural gas hearth only.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SDAPCD Rule 55.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	321.00
tblConstructionPhase	NumDays	370.00	391.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	35.00	125.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	23.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

Oak Knoll Project - San Diego County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberGas	35.20	64.00
tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	22.40	0.00
tblLandUse	LandUseSquareFeet	52,810.00	52,811.00
tblTripsAndVMT	HaulingTripNumber	39.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	15.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	5.79
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.00
tblVehicleTrips	SU_TR	8.55	10.00
tblVehicleTrips	WD_TR	9.44	10.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.8258	45.3016	48.3091	0.0975	19.8320	1.9445	20.2214	10.1495	1.8019	10.5078	0.0000	9,463.5110	9,463.5110	2.5240	0.0908	9,553.6692
2025	4.3804	20.0397	29.1230	0.0534	0.6448	0.8627	1.5074	0.1741	0.8048	0.9788	0.0000	5,179.2926	5,179.2926	1.2062	0.0726	5,231.0702
2026	4.3719	12.5773	16.1668	0.0330	0.5955	0.4953	1.0907	0.1610	0.4709	0.6319	0.0000	3,195.6542	3,195.6542	0.5063	0.0698	3,229.1063
Maximum	**4.8258**	**45.3016**	**48.3091**	**0.0975**	**19.8320**	**1.9445**	**20.2214**	**10.1495**	**1.8019**	**10.5078**	**0.0000**	**9,463.5110**	**9,463.5110**	**2.5240**	**0.0908**	**9,553.6692**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.8258	45.3016	48.3091	0.0975	9.0206	1.9445	9.4101	4.5931	1.8019	4.9515	0.0000	9,463.5110	9,463.5110	2.5240	0.0908	9,553.6692
2025	4.3804	20.0397	29.1230	0.0534	0.6448	0.8627	1.5074	0.1741	0.8048	0.9788	0.0000	5,179.2926	5,179.2926	1.2062	0.0726	5,231.0702
2026	4.3719	12.5773	16.1668	0.0330	0.5955	0.4953	1.0907	0.1610	0.4709	0.6319	0.0000	3,195.6542	3,195.6542	0.5063	0.0698	3,229.1063
Maximum	**4.8258**	**45.3016**	**48.3091**	**0.0975**	**9.0206**	**1.9445**	**9.4101**	**4.5931**	**1.8019**	**4.9515**	**0.0000**	**9,463.5110**	**9,463.5110**	**2.5240**	**0.0908**	**9,553.6692**

Oak Knoll Project - San Diego County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.31	0.00	47.38	53.00	0.00	45.85	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Energy	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Mobile	1.4350	1.4306	12.4365	0.0244	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,486.5008	2,486.5008	0.1985	0.1224	2,527.9223
Total	**4.4958**	**2.9018**	**18.3171**	**0.0337**	**2.8376**	**0.1626**	**3.0002**	**0.7559**	**0.1613**	**0.9171**	**0.0000**	**4,296.5077**	**4,296.5077**	**0.2422**	**0.1554**	**4,348.8570**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Energy	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Mobile	1.4350	1.4306	12.4365	0.0244	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,486.5008	2,486.5008	0.1985	0.1224	2,527.9223
Total	**4.4958**	**2.9018**	**18.3171**	**0.0337**	**2.8376**	**0.1626**	**3.0002**	**0.7559**	**0.1613**	**0.9171**	**0.0000**	**4,296.5077**	**4,296.5077**	**0.2422**	**0.1554**	**4,348.8570**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/6/2024	3/18/2024	5	30	
2	Site Preparation	Site Preparation	4/15/2024	5/15/2024	5	23	
3	Grading	Grading	6/18/2024	12/9/2024	5	125	
4	Paving	Paving	11/12/2024	2/3/2025	5	60	
5	Building Construction	Building Construction	12/1/2024	6/1/2026	5	391	
6	Architectural Coating	Architectural Coating	3/8/2025	6/1/2026	5	321	

Acres of Grading (Site Preparation Phase): 34.5

Acres of Grading (Grading Phase): 375

Acres of Paving: 1.21

Residential Indoor: 233,280; Residential Outdoor: 77,760; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,169 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	4.00	40.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	46.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2874	0.0000	0.2874	0.0435	0.0000	0.0435			0.0000			0.0000
Off-Road	0.6370	5.2654	9.1507	0.0145		0.2461	0.2461		0.2353	0.2353		1,394.6968	1,394.6968	0.2876		1,401.8855
Total	**0.6370**	**5.2654**	**9.1507**	**0.0145**	**0.2874**	**0.2461**	**0.5335**	**0.0435**	**0.2353**	**0.2788**		**1,394.6968**	**1,394.6968**	**0.2876**		**1,401.8855**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1799	0.0492	7.8000e-004	0.0233	1.4900e-003	0.0248	6.3900e-003	1.4300e-003	7.8200e-003		86.7039	86.7039	4.5700e-003	0.0138	90.9302
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0446	0.0275	0.3411	1.0600e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		107.3036	107.3036	3.0900e-003	2.9600e-003	108.2620
Total	**0.0519**	**0.3848**	**0.4525**	**2.6400e-003**	**0.1819**	**3.2100e-003**	**0.1851**	**0.0491**	**3.0600e-003**	**0.0521**		**281.0117**	**281.0117**	**0.0104**	**0.0294**	**290.0217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1293	0.0000	0.1293	0.0196	0.0000	0.0196			0.0000			0.0000
Off-Road	0.6370	5.2654	9.1507	0.0145		0.2461	0.2461		0.2353	0.2353	0.0000	1,394.6968	1,394.6968	0.2876		1,401.8855
Total	**0.6370**	**5.2654**	**9.1507**	**0.0145**	**0.1293**	**0.2461**	**0.3754**	**0.0196**	**0.2353**	**0.2548**	**0.0000**	**1,394.6968**	**1,394.6968**	**0.2876**		**1,401.8855**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1799	0.0492	7.8000e-004	0.0233	1.4900e-003	0.0248	6.3900e-003	1.4300e-003	7.8200e-003		86.7039	86.7039	4.5700e-003	0.0138	90.9302
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0446	0.0275	0.3411	1.0600e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		107.3036	107.3036	3.0900e-003	2.9600e-003	108.2620
Total	**0.0519**	**0.3848**	**0.4525**	**2.6400e-003**	**0.1819**	**3.2100e-003**	**0.1851**	**0.0491**	**3.0600e-003**	**0.0521**		**281.0117**	**281.0117**	**0.0104**	**0.0294**	**290.0217**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	0.8390	8.5759	5.3667	0.0117		0.3876	0.3876		0.3566	0.3566		1,128.7477	1,128.7477	0.3651		1,137.8742
Total	**0.8390**	**8.5759**	**5.3667**	**0.0117**	**19.6570**	**0.3876**	**20.0446**	**10.1025**	**0.3566**	**10.4591**		**1,128.7477**	**1,128.7477**	**0.3651**		**1,137.8742**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0502	0.0309	0.3837	1.1900e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		120.7165	120.7165	3.4800e-003	3.3300e-003	121.7947
Total	**0.0547**	**0.2084**	**0.4459**	**1.9900e-003**	**0.1750**	**1.8000e-003**	**0.1768**	**0.0470**	**1.7000e-003**	**0.0487**		**207.7208**	**207.7208**	**6.2100e-003**	**0.0159**	**212.6243**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.8390	8.5759	5.3667	0.0117		0.3876	0.3876		0.3566	0.3566	0.0000	1,128.7477	1,128.7477	0.3651		1,137.8742
Total	**0.8390**	**8.5759**	**5.3667**	**0.0117**	**8.8457**	**0.3876**	**9.2333**	**4.5461**	**0.3566**	**4.9027**	**0.0000**	**1,128.7477**	**1,128.7477**	**0.3651**		**1,137.8742**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0502	0.0309	0.3837	1.1900e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		120.7165	120.7165	3.4800e-003	3.3300e-003	121.7947
Total	**0.0547**	**0.2084**	**0.4459**	**1.9900e-003**	**0.1750**	**1.8000e-003**	**0.1768**	**0.0470**	**1.7000e-003**	**0.0487**		**207.7208**	**207.7208**	**6.2100e-003**	**0.0159**	**212.6243**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.2778	23.2784	18.4908	0.0417		0.9621	0.9621		0.8852	0.8852		4,040.3853	4,040.3853	1.3067		4,073.0539
Total	**2.2778**	**23.2784**	**18.4908**	**0.0417**	**9.2036**	**0.9621**	**10.1657**	**3.6538**	**0.8852**	**4.5389**		**4,040.3853**	**4,040.3853**	**1.3067**		**4,073.0539**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0558	0.0343	0.4263	1.3300e-003	0.1643	8.4000e-004	0.1651	0.0436	7.7000e-004	0.0444		134.1294	134.1294	3.8600e-003	3.7000e-003	135.3275
Total	**0.0603**	**0.2118**	**0.4885**	**2.1300e-003**	**0.1914**	**1.8900e-003**	**0.1933**	**0.0514**	**1.7800e-003**	**0.0532**		**221.1337**	**221.1337**	**6.5900e-003**	**0.0163**	**226.1570**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	2.2778	23.2784	18.4908	0.0417		0.9621	0.9621		0.8852	0.8852	0.0000	4,040.3853	4,040.3853	1.3067		4,073.0539
Total	**2.2778**	**23.2784**	**18.4908**	**0.0417**	**4.1416**	**0.9621**	**5.1037**	**1.6442**	**0.8852**	**2.5294**	**0.0000**	**4,040.3853**	**4,040.3853**	**1.3067**		**4,073.0539**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0558	0.0343	0.4263	1.3300e-003	0.1643	8.4000e-004	0.1651	0.0436	7.7000e-004	0.0444		134.1294	134.1294	3.8600e-003	3.7000e-003	135.3275
Total	**0.0603**	**0.2118**	**0.4885**	**2.1300e-003**	**0.1914**	**1.8900e-003**	**0.1933**	**0.0514**	**1.7800e-003**	**0.0532**		**221.1337**	**221.1337**	**6.5900e-003**	**0.0163**	**226.1570**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0410**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0446	0.0275	0.3411	1.0600e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		107.3036	107.3036	3.0900e-003	2.9600e-003	108.2620
Total	**0.0491**	**0.2049**	**0.4033**	**1.8600e-003**	**0.1585**	**1.7200e-003**	**0.1603**	**0.0427**	**1.6300e-003**	**0.0443**		**194.3078**	**194.3078**	**5.8200e-003**	**0.0156**	**199.0915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0410**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1775	0.0622	8.0000e-004	0.0271	1.0500e-003	0.0282	7.8000e-003	1.0100e-003	8.8100e-003		87.0043	87.0043	2.7300e-003	0.0126	90.8295
Worker	0.0446	0.0275	0.3411	1.0600e-003	0.1314	6.7000e-004	0.1321	0.0349	6.2000e-004	0.0355		107.3036	107.3036	3.0900e-003	2.9600e-003	108.2620
Total	**0.0491**	**0.2049**	**0.4033**	**1.8600e-003**	**0.1585**	**1.7200e-003**	**0.1603**	**0.0427**	**1.6300e-003**	**0.0443**		**194.3078**	**194.3078**	**5.8200e-003**	**0.0156**	**199.0915**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9680**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3100e-003	0.1758	0.0612	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0100e-003	8.8000e-003		85.3475	85.3475	2.8000e-003	0.0124	89.1010
Worker	0.0421	0.0249	0.3198	1.0300e-003	0.1314	6.4000e-004	0.1321	0.0349	5.9000e-004	0.0355		103.6555	103.6555	2.8200e-003	2.7800e-003	104.5531
Total	**0.0464**	**0.2006**	**0.3810**	**1.8200e-003**	**0.1585**	**1.6900e-003**	**0.1602**	**0.0427**	**1.6000e-003**	**0.0443**		**189.0031**	**189.0031**	**5.6200e-003**	**0.0151**	**193.6540**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9680**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3100e-003	0.1758	0.0612	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0100e-003	8.8000e-003		85.3475	85.3475	2.8000e-003	0.0124	89.1010
Worker	0.0421	0.0249	0.3198	1.0300e-003	0.1314	6.4000e-004	0.1321	0.0349	5.9000e-004	0.0355		103.6555	103.6555	2.8200e-003	2.7800e-003	104.5531
Total	**0.0464**	**0.2006**	**0.3810**	**1.8200e-003**	**0.1585**	**1.6900e-003**	**0.1602**	**0.0427**	**1.6000e-003**	**0.0443**		**189.0031**	**189.0031**	**5.6200e-003**	**0.0151**	**193.6540**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2514	11.2930	13.0714	0.0227		0.5041	0.5041		0.4765	0.4765		2,143.6222	2,143.6222	0.4711		2,155.3991
Total	**1.2514**	**11.2930**	**13.0714**	**0.0227**		**0.5041**	**0.5041**		**0.4765**	**0.4765**		**2,143.6222**	**2,143.6222**	**0.4711**		**2,155.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.7099	0.2488	3.2200e-003	0.1084	4.2200e-003	0.1126	0.0312	4.0300e-003	0.0352		348.0171	348.0171	0.0109	0.0504	363.3181
Worker	0.1283	0.0789	0.9806	3.0500e-003	0.3779	1.9300e-003	0.3798	0.1002	1.7800e-003	0.1020		308.4977	308.4977	8.8900e-003	8.5000e-003	311.2532
Total	**0.1462**	**0.7889**	**1.2294**	**6.2700e-003**	**0.4862**	**6.1500e-003**	**0.4924**	**0.1314**	**5.8100e-003**	**0.1372**		**656.5148**	**656.5148**	**0.0198**	**0.0589**	**674.5714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2514	11.2930	13.0714	0.0227		0.5041	0.5041		0.4765	0.4765	0.0000	2,143.6222	2,143.6222	0.4711		2,155.3991
Total	**1.2514**	**11.2930**	**13.0714**	**0.0227**		**0.5041**	**0.5041**		**0.4765**	**0.4765**	**0.0000**	**2,143.6222**	**2,143.6222**	**0.4711**		**2,155.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0178	0.7099	0.2488	3.2200e-003	0.1084	4.2200e-003	0.1126	0.0312	4.0300e-003	0.0352		348.0171	348.0171	0.0109	0.0504	363.3181
Worker	0.1283	0.0789	0.9806	3.0500e-003	0.3779	1.9300e-003	0.3798	0.1002	1.7800e-003	0.1020		308.4977	308.4977	8.8900e-003	8.5000e-003	311.2532
Total	**0.1462**	**0.7889**	**1.2294**	**6.2700e-003**	**0.4862**	**6.1500e-003**	**0.4924**	**0.1314**	**5.8100e-003**	**0.1372**		**656.5148**	**656.5148**	**0.0198**	**0.0589**	**674.5714**

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124		2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**		**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.7030	0.2447	3.1500e-003	0.1084	4.2000e-003	0.1126	0.0312	4.0200e-003	0.0352		341.3901	341.3901	0.0112	0.0494	356.4038
Worker	0.1211	0.0714	0.9194	2.9500e-003	0.3779	1.8400e-003	0.3797	0.1002	1.7000e-003	0.1019		298.0096	298.0096	8.1100e-003	7.9800e-003	300.5901
Total	**0.1384**	**0.7745**	**1.1641**	**6.1000e-003**	**0.4862**	**6.0400e-003**	**0.4923**	**0.1314**	**5.7200e-003**	**0.1372**		**639.3997**	**639.3997**	**0.0193**	**0.0574**	**656.9939**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124	0.0000	2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**	**0.0000**	**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.7030	0.2447	3.1500e-003	0.1084	4.2000e-003	0.1126	0.0312	4.0200e-003	0.0352		341.3901	341.3901	0.0112	0.0494	356.4038
Worker	0.1211	0.0714	0.9194	2.9500e-003	0.3779	1.8400e-003	0.3797	0.1002	1.7000e-003	0.1019		298.0096	298.0096	8.1100e-003	7.9800e-003	300.5901
Total	**0.1384**	**0.7745**	**1.1641**	**6.1000e-003**	**0.4862**	**6.0400e-003**	**0.4923**	**0.1314**	**5.7200e-003**	**0.1372**		**639.3997**	**639.3997**	**0.0193**	**0.0574**	**656.9939**

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124		2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**		**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0167	0.6956	0.2417	3.0900e-003	0.1084	4.1700e-003	0.1125	0.0312	3.9900e-003	0.0352		334.8788	334.8788	0.0115	0.0485	349.6119
Worker	0.1147	0.0652	0.8670	2.8600e-003	0.3779	1.7500e-003	0.3796	0.1002	1.6100e-003	0.1018		288.7018	288.7018	7.4300e-003	7.5400e-003	291.1349
Total	**0.1314**	**0.7608**	**1.1088**	**5.9500e-003**	**0.4863**	**5.9200e-003**	**0.4922**	**0.1314**	**5.6000e-003**	**0.1370**		**623.5805**	**623.5805**	**0.0189**	**0.0560**	**640.7468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1649	10.4829	13.0000	0.0227		0.4364	0.4364		0.4124	0.4124	0.0000	2,144.1447	2,144.1447	0.4676		2,155.8345
Total	**1.1649**	**10.4829**	**13.0000**	**0.0227**		**0.4364**	**0.4364**		**0.4124**	**0.4124**	**0.0000**	**2,144.1447**	**2,144.1447**	**0.4676**		**2,155.8345**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0167	0.6956	0.2417	3.0900e-003	0.1084	4.1700e-003	0.1125	0.0312	3.9900e-003	0.0352		334.8788	334.8788	0.0115	0.0485	349.6119
Worker	0.1147	0.0652	0.8670	2.8600e-003	0.3779	1.7500e-003	0.3796	0.1002	1.6100e-003	0.1018		288.7018	288.7018	7.4300e-003	7.5400e-003	291.1349
Total	**0.1314**	**0.7608**	**1.1088**	**5.9500e-003**	**0.4863**	**5.9200e-003**	**0.4922**	**0.1314**	**5.6000e-003**	**0.1370**		**623.5805**	**623.5805**	**0.0189**	**0.0560**	**640.7468**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3100e-003	0.1758	0.0612	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0100e-003	8.8000e-003		85.3475	85.3475	2.8000e-003	0.0124	89.1010
Worker	0.0263	0.0155	0.1999	6.4000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		64.7847	64.7847	1.7600e-003	1.7300e-003	65.3457
Total	**0.0306**	**0.1913**	**0.2610**	**1.4300e-003**	**0.1092**	**1.4500e-003**	**0.1107**	**0.0296**	**1.3800e-003**	**0.0310**		**150.1322**	**150.1322**	**4.5600e-003**	**0.0141**	**154.4466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3100e-003	0.1758	0.0612	7.9000e-004	0.0271	1.0500e-003	0.0281	7.8000e-003	1.0100e-003	8.8000e-003		85.3475	85.3475	2.8000e-003	0.0124	89.1010
Worker	0.0263	0.0155	0.1999	6.4000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		64.7847	64.7847	1.7600e-003	1.7300e-003	65.3457
Total	**0.0306**	**0.1913**	**0.2610**	**1.4300e-003**	**0.1092**	**1.4500e-003**	**0.1107**	**0.0296**	**1.3800e-003**	**0.0310**		**150.1322**	**150.1322**	**4.5600e-003**	**0.0141**	**154.4466**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1800e-003	0.1739	0.0604	7.7000e-004	0.0271	1.0400e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		83.7197	83.7197	2.8700e-003	0.0121	87.4030
Worker	0.0249	0.0142	0.1885	6.2000e-004	0.0822	3.8000e-004	0.0825	0.0218	3.5000e-004	0.0221		62.7613	62.7613	1.6200e-003	1.6400e-003	63.2902
Total	**0.0291**	**0.1881**	**0.2489**	**1.3900e-003**	**0.1092**	**1.4200e-003**	**0.1107**	**0.0296**	**1.3500e-003**	**0.0309**		**146.4809**	**146.4809**	**4.4900e-003**	**0.0138**	**150.6932**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.0465**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1800e-003	0.1739	0.0604	7.7000e-004	0.0271	1.0400e-003	0.0281	7.8000e-003	1.0000e-003	8.8000e-003		83.7197	83.7197	2.8700e-003	0.0121	87.4030
Worker	0.0249	0.0142	0.1885	6.2000e-004	0.0822	3.8000e-004	0.0825	0.0218	3.5000e-004	0.0221		62.7613	62.7613	1.6200e-003	1.6400e-003	63.2902
Total	**0.0291**	**0.1881**	**0.2489**	**1.3900e-003**	**0.1092**	**1.4200e-003**	**0.1107**	**0.0296**	**1.3500e-003**	**0.0309**		**146.4809**	**146.4809**	**4.4900e-003**	**0.0138**	**150.6932**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4350	1.4306	12.4365	0.0244	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,486.5008	2,486.5008	0.1985	0.1224	2,527.9223
Unmitigated	1.4350	1.4306	12.4365	0.0244	2.8376	0.0192	2.8568	0.7559	0.0179	0.7738		2,486.5008	2,486.5008	0.1985	0.1224	2,527.9223

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	640.00	640.00	640.00	1,348,036	1,348,036
Total	640.00	640.00	640.00	1,348,036	1,348,036

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.79	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559
Single Family Housing	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559

5.0 Energy Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
NaturalGas Unmitigated	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3784.15	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Total		**0.0408**	**0.3487**	**0.1484**	**2.2300e-003**		**0.0282**	**0.0282**		**0.0282**	**0.0282**		**445.1939**	**445.1939**	**8.5300e-003**	**8.1600e-003**	**447.8395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.78415	0.0408	0.3487	0.1484	2.2300e-003		0.0282	0.0282		0.0282	0.0282		445.1939	445.1939	8.5300e-003	8.1600e-003	447.8395
Total		**0.0408**	**0.3487**	**0.1484**	**2.2300e-003**		**0.0282**	**0.0282**		**0.0282**	**0.0282**		**445.1939**	**445.1939**	**8.5300e-003**	**8.1600e-003**	**447.8395**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952
Unmitigated	3.0200	1.1225	5.7322	7.0600e-003		0.1151	0.1151		0.1151	0.1151	0.0000	1,364.8130	1,364.8130	0.0351	0.0249	1,373.0952

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1242	1.0617	0.4518	6.7800e-003		0.0858	0.0858		0.0858	0.0858	0.0000	1,355.2941	1,355.2941	0.0260	0.0249	1,363.3480
Landscaping	0.1589	0.0608	5.2805	2.8000e-004		0.0293	0.0293		0.0293	0.0293		9.5189	9.5189	9.1300e-003		9.7473
Total	**3.0200**	**1.1225**	**5.7322**	**7.0600e-003**		**0.1151**	**0.1151**		**0.1151**	**0.1151**	**0.0000**	**1,364.8130**	**1,364.8130**	**0.0351**	**0.0249**	**1,373.0952**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1242	1.0617	0.4518	6.7800e-003		0.0858	0.0858		0.0858	0.0858	0.0000	1,355.2941	1,355.2941	0.0260	0.0249	1,363.3480
Landscaping	0.1589	0.0608	5.2805	2.8000e-004		0.0293	0.0293		0.0293	0.0293		9.5189	9.5189	9.1300e-003		9.7473
Total	**3.0200**	**1.1225**	**5.7322**	**7.0600e-003**		**0.1151**	**0.1151**		**0.1151**	**0.1151**	**0.0000**	**1,364.8130**	**1,364.8130**	**0.0351**	**0.0249**	**1,373.0952**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B
Health Risk Assessment

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Oak Knoll Project HRA - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Oak Knoll Project HRA

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	52.81	1000sqft	1.21	52,811.00	0
Single Family Housing	64.00	Dwelling Unit	20.78	115,200.00	183

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2026
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on project description.

Construction Phase - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - CalEEMod defaults. Odd trips were rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Oak Knoll Project HRA - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Based on existing land uses onsite.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - Based on Transportation Impact Study for project.

Woodstoves - Natural gas hearths.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults. In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - In accordance with SDAPCD Rule 55. MM-AQ-1: Tier 4 Interim equipment over 50 hp, electric under 50 hp.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	35.00	125.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	370.00	391.00
tblConstructionPhase	NumDays	20.00	321.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	35.20	64.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	22.40	0.00
tblGrading	AcresOfGrading	250.00	375.00
tblGrading	AcresOfGrading	11.50	34.50
tblLandUse	LandUseSquareFeet	52,810.00	52,811.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Demolition
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripNumber	39.00	40.00
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripNumber	0.00	4.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	15.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	5.79
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.00
tblVehicleTrips	SU_TR	8.55	10.00
tblVehicleTrips	WD_TR	9.44	10.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1992	1.9393	1.8077	3.7600e-003	0.6823	0.0824	0.7646	0.2731	0.0760	0.3491	0.0000	330.0352	330.0352	0.0985	5.0000e-004	332.6477
2025	0.5064	1.6356	2.2277	4.0500e-003	0.0567	0.0678	0.1245	0.0151	0.0642	0.0793	0.0000	351.4335	351.4335	0.0659	1.8400e-003	353.6277
2026	0.2347	0.6453	0.8644	1.5900e-003	0.0236	0.0265	0.0501	6.2800e-003	0.0252	0.0315	0.0000	137.5608	137.5608	0.0242	7.4000e-004	138.3842
Maximum	**0.5064**	**1.9393**	**2.2277**	**4.0500e-003**	**0.6823**	**0.0824**	**0.7646**	**0.2731**	**0.0760**	**0.3491**	**0.0000**	**351.4335**	**351.4335**	**0.0985**	**1.8400e-003**	**353.6277**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0663	1.2142	2.2783	3.7300e-003	0.3154	5.9100e-003	0.3213	0.1251	5.9000e-003	0.1310	0.0000	327.9644	327.9644	0.0983	5.0000e-004	330.5716
2025	0.3865	1.2408	2.2844	3.7200e-003	0.0567	5.2200e-003	0.0620	0.0151	5.2000e-003	0.0203	0.0000	326.8704	326.8704	0.0635	1.8400e-003	329.0062
2026	0.1868	0.4739	0.8746	1.4500e-003	0.0236	2.0100e-003	0.0256	6.2800e-003	2.0000e-003	8.2800e-003	0.0000	127.3968	127.3968	0.0232	7.4000e-004	128.1960
Maximum	**0.3865**	**1.2408**	**2.2844**	**3.7300e-003**	**0.3154**	**5.9100e-003**	**0.3213**	**0.1251**	**5.9000e-003**	**0.1310**	**0.0000**	**327.9644**	**327.9644**	**0.0983**	**1.8400e-003**	**330.5716**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**31.99**	**30.60**	**-10.97**	**5.32**	**48.11**	**92.56**	**56.47**	**50.25**	**92.08**	**65.30**	**0.00**	**4.49**	**4.49**	**1.87**	**0.00**	**4.47**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-6-2024**	**5-5-2024**	0.1615	0.1226
2	**5-6-2024**	**8-5-2024**	0.4831	0.2553
3	**8-6-2024**	**11-5-2024**	0.8435	0.4535
4	**11-6-2024**	**2-5-2025**	0.9185	0.6802
5	**2-6-2025**	**5-5-2025**	0.4729	0.3459
6	**5-6-2025**	**8-5-2025**	0.5356	0.4021
7	**8-6-2025**	**11-5-2025**	0.5360	0.4025
8	**11-6-2025**	**2-5-2026**	0.5365	0.4030
9	**2-6-2026**	**5-5-2026**	0.5182	0.3891
10	**5-6-2026**	**8-5-2026**	0.1570	0.1179
		Highest	0.9185	0.6802

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Energy	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	196.5145	196.5145	8.9200e-003	2.2600e-003	197.4112
Mobile	0.2563	0.2572	2.2114	4.4600e-003	0.5045	3.5000e-003	0.5080	0.1347	3.2600e-003	0.1379	0.0000	413.0062	413.0062	0.0321	0.0200	419.7644
Waste						0.0000	0.0000		0.0000	0.0000	15.2304	0.0000	15.2304	0.9001	0.0000	37.7327
Water						0.0000	0.0000		0.0000	0.0000	1.3229	20.4522	21.7751	0.1371	3.3600e-003	26.2044
Total	**0.7827**	**0.3699**	**2.7323**	**5.1700e-003**	**0.5045**	**0.0148**	**0.5193**	**0.1347**	**0.0146**	**0.1492**	**16.5533**	**681.1596**	**697.7129**	**1.0800**	**0.0265**	**732.6176**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Energy	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	196.5145	196.5145	8.9200e-003	2.2600e-003	197.4112
Mobile	0.2563	0.2572	2.2114	4.4600e-003	0.5045	3.5000e-003	0.5080	0.1347	3.2600e-003	0.1379	0.0000	413.0062	413.0062	0.0321	0.0200	419.7644
Waste						0.0000	0.0000		0.0000	0.0000	15.2304	0.0000	15.2304	0.9001	0.0000	37.7327
Water						0.0000	0.0000		0.0000	0.0000	1.3229	20.4522	21.7751	0.1371	3.3600e-003	26.2044
Total	**0.7827**	**0.3699**	**2.7323**	**5.1700e-003**	**0.5045**	**0.0148**	**0.5193**	**0.1347**	**0.0146**	**0.1492**	**16.5533**	**681.1596**	**697.7129**	**1.0800**	**0.0265**	**732.6176**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/6/2024	3/18/2024	5	30	
2	Site Preparation	Site Preparation	4/15/2024	5/15/2024	5	23	
3	Grading	Grading	6/18/2024	12/9/2024	5	125	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	11/12/2024	2/3/2025	5	60	
5	Building Construction	Building Construction	12/1/2024	6/1/2026	5	391	
6	Architectural Coating	Architectural Coating	3/8/2025	6/1/2026	5	321	

Acres of Grading (Site Preparation Phase): 34.5

Acres of Grading (Grading Phase): 375

Acres of Paving: 1.21

Residential Indoor: 233,280; Residential Outdoor: 77,760; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,169 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	8.00	4.00	40.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	4.00	0.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	4.00	0.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	0.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	7	45.00	16.00	0.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	4.00	0.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3100e-003	0.0000	4.3100e-003	6.5000e-004	0.0000	6.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5600e-003	0.0790	0.1373	2.2000e-004		3.6900e-003	3.6900e-003		3.5300e-003	3.5300e-003	0.0000	18.9787	18.9787	3.9100e-003	0.0000	19.0765
Total	**9.5600e-003**	**0.0790**	**0.1373**	**2.2000e-004**	**4.3100e-003**	**3.6900e-003**	**8.0000e-003**	**6.5000e-004**	**3.5300e-003**	**4.1800e-003**	**0.0000**	**18.9787**	**18.9787**	**3.9100e-003**	**0.0000**	**19.0765**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	3.9000e-004	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0604	0.0604	0.0000	1.0000e-005	0.0633
Vendor	4.0000e-005	7.5000e-004	5.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.1149	0.1149	0.0000	2.0000e-005	0.1203
Worker	3.0000e-004	2.0000e-004	2.5500e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7365	0.7365	2.0000e-005	2.0000e-005	0.7430
Total	**3.6000e-004**	**1.3400e-003**	**3.4100e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.9117**	**0.9117**	**2.0000e-005**	**5.0000e-005**	**0.9265**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9400e-003	0.0000	1.9400e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7200e-003	0.0880	0.1518	2.2000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	18.9787	18.9787	3.9100e-003	0.0000	19.0765
Total	**3.7200e-003**	**0.0880**	**0.1518**	**2.2000e-004**	**1.9400e-003**	**3.3000e-004**	**2.2700e-003**	**2.9000e-004**	**3.3000e-004**	**6.2000e-004**	**0.0000**	**18.9787**	**18.9787**	**3.9100e-003**	**0.0000**	**19.0765**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	3.9000e-004	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0604	0.0604	0.0000	1.0000e-005	0.0633
Vendor	4.0000e-005	7.5000e-004	5.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.1149	0.1149	0.0000	2.0000e-005	0.1203
Worker	3.0000e-004	2.0000e-004	2.5500e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7365	0.7365	2.0000e-005	2.0000e-005	0.7430
Total	**3.6000e-004**	**1.3400e-003**	**3.4100e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.9117**	**0.9117**	**2.0000e-005**	**5.0000e-005**	**0.9265**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0876	0.0000	0.0876	0.0400	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6500e-003	0.0986	0.0617	1.3000e-004		4.4600e-003	4.4600e-003		4.1000e-003	4.1000e-003	0.0000	11.7758	11.7758	3.8100e-003	0.0000	11.8710
Total	**9.6500e-003**	**0.0986**	**0.0617**	**1.3000e-004**	**0.0876**	**4.4600e-003**	**0.0920**	**0.0400**	**4.1000e-003**	**0.0441**	**0.0000**	**11.7758**	**11.7758**	**3.8100e-003**	**0.0000**	**11.8710**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	5.8000e-004	4.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0881	0.0881	0.0000	1.0000e-005	0.0922
Worker	1.5000e-004	1.0000e-004	1.2200e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3529	0.3529	1.0000e-005	1.0000e-005	0.3560
Total	**1.8000e-004**	**6.8000e-004**	**1.6500e-003**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4410**	**0.4410**	**1.0000e-005**	**2.0000e-005**	**0.4482**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0394	0.0000	0.0394	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-003	0.0414	0.0790	1.3000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	11.7758	11.7758	3.8100e-003	0.0000	11.8710
Total	**2.4000e-003**	**0.0414**	**0.0790**	**1.3000e-004**	**0.0394**	**2.2000e-004**	**0.0396**	**0.0180**	**2.2000e-004**	**0.0182**	**0.0000**	**11.7758**	**11.7758**	**3.8100e-003**	**0.0000**	**11.8710**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	5.8000e-004	4.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0881	0.0881	0.0000	1.0000e-005	0.0922
Worker	1.5000e-004	1.0000e-004	1.2200e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3529	0.3529	1.0000e-005	1.0000e-005	0.3560
Total	**1.8000e-004**	**6.8000e-004**	**1.6500e-003**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4410**	**0.4410**	**1.0000e-005**	**2.0000e-005**	**0.4482**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5752	0.0000	0.5752	0.2284	0.0000	0.2284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4549	1.1557	2.6100e-003		0.0601	0.0601		0.0553	0.0553	0.0000	229.0860	229.0860	0.0741	0.0000	230.9383
Total	**0.1424**	**1.4549**	**1.1557**	**2.6100e-003**	**0.5752**	**0.0601**	**0.6354**	**0.2284**	**0.0553**	**0.2837**	**0.0000**	**229.0860**	**229.0860**	**0.0741**	**0.0000**	**230.9383**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	3.1300e-003	2.3400e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.4786	0.4786	2.0000e-005	7.0000e-005	0.5012
Worker	2.3800e-003	1.5800e-003	0.0200	6.0000e-005	7.5200e-003	4.0000e-005	7.5600e-003	2.0000e-003	4.0000e-005	2.0300e-003	0.0000	5.7542	5.7542	1.6000e-004	1.6000e-004	5.8044
Total	**2.5300e-003**	**4.7100e-003**	**0.0223**	**6.0000e-005**	**7.5700e-003**	**4.0000e-005**	**7.6100e-003**	**2.0100e-003**	**4.0000e-005**	**2.0500e-003**	**0.0000**	**6.2327**	**6.2327**	**1.8000e-004**	**2.3000e-004**	**6.3056**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2589	0.0000	0.2589	0.1028	0.0000	0.1028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0437	0.8116	1.5454	2.6100e-003		4.2600e-003	4.2600e-003		4.2600e-003	4.2600e-003	0.0000	229.0857	229.0857	0.0741	0.0000	230.9380
Total	**0.0437**	**0.8116**	**1.5454**	**2.6100e-003**	**0.2589**	**4.2600e-003**	**0.2631**	**0.1028**	**4.2600e-003**	**0.1070**	**0.0000**	**229.0857**	**229.0857**	**0.0741**	**0.0000**	**230.9380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	3.1300e-003	2.3400e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.4786	0.4786	2.0000e-005	7.0000e-005	0.5012
Worker	2.3800e-003	1.5800e-003	0.0200	6.0000e-005	7.5200e-003	4.0000e-005	7.5600e-003	2.0000e-003	4.0000e-005	2.0300e-003	0.0000	5.7542	5.7542	1.6000e-004	1.6000e-004	5.8044
Total	**2.5300e-003**	**4.7100e-003**	**0.0223**	**6.0000e-005**	**7.5700e-003**	**4.0000e-005**	**7.6100e-003**	**2.0100e-003**	**4.0000e-005**	**2.0500e-003**	**0.0000**	**6.2327**	**6.2327**	**1.8000e-004**	**2.3000e-004**	**6.3056**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1714	0.2633	4.1000e-004		8.4300e-003	8.4300e-003		7.7600e-003	7.7600e-003	0.0000	36.0478	36.0478	0.0117	0.0000	36.3392
Paving	9.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0187**	**0.1714**	**0.2633**	**4.1000e-004**		**8.4300e-003**	**8.4300e-003**		**7.7600e-003**	**7.7600e-003**	**0.0000**	**36.0478**	**36.0478**	**0.0117**	**0.0000**	**36.3392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	9.0000e-004	6.7000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1378	0.1378	0.0000	2.0000e-005	0.1443
Worker	6.9000e-004	4.5000e-004	5.7500e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6572	1.6572	5.0000e-005	4.0000e-005	1.6717
Total	**7.3000e-004**	**1.3500e-003**	**6.4200e-003**	**2.0000e-005**	**2.1800e-003**	**1.0000e-005**	**2.2000e-003**	**5.8000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.7950**	**1.7950**	**5.0000e-005**	**6.0000e-005**	**1.8160**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0100e-003	0.1807	0.3113	4.1000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	36.0477	36.0477	0.0117	0.0000	36.3392
Paving	9.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.9600e-003**	**0.1807**	**0.3113**	**4.1000e-004**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**36.0477**	**36.0477**	**0.0117**	**0.0000**	**36.3392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	9.0000e-004	6.7000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1378	0.1378	0.0000	2.0000e-005	0.1443
Worker	6.9000e-004	4.5000e-004	5.7500e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6572	1.6572	5.0000e-005	4.0000e-005	1.6717
Total	**7.3000e-004**	**1.3500e-003**	**6.4200e-003**	**2.0000e-005**	**2.1800e-003**	**1.0000e-005**	**2.2000e-003**	**5.8000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.7950**	**1.7950**	**5.0000e-005**	**6.0000e-005**	**1.8160**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1030	0.1749	2.7000e-004		5.0200e-003	5.0200e-003		4.6200e-003	4.6200e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2174
Paving	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0116**	**0.1030**	**0.1749**	**2.7000e-004**		**5.0200e-003**	**5.0200e-003**		**4.6200e-003**	**4.6200e-003**	**0.0000**	**24.0231**	**24.0231**	**7.7700e-003**	**0.0000**	**24.2174**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	6.0000e-004	4.4000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0901	0.0901	0.0000	1.0000e-005	0.0944
Worker	4.3000e-004	2.7000e-004	3.5900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0672	1.0672	3.0000e-005	3.0000e-005	1.0763
Total	**4.6000e-004**	**8.7000e-004**	**4.0300e-003**	**1.0000e-005**	**1.4500e-003**	**1.0000e-005**	**1.4600e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1573**	**1.1573**	**3.0000e-005**	**4.0000e-005**	**1.1706**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0100e-003	0.1205	0.2076	2.7000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2173
Paving	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.6400e-003**	**0.1205**	**0.2076**	**2.7000e-004**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**24.0231**	**24.0231**	**7.7700e-003**	**0.0000**	**24.2173**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	6.0000e-004	4.4000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0901	0.0901	0.0000	1.0000e-005	0.0944
Worker	4.3000e-004	2.7000e-004	3.5900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0672	1.0672	3.0000e-005	3.0000e-005	1.0763
Total	**4.6000e-004**	**8.7000e-004**	**4.0300e-003**	**1.0000e-005**	**1.4500e-003**	**1.0000e-005**	**1.4600e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1573**	**1.1573**	**3.0000e-005**	**4.0000e-005**	**1.1706**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0138	0.1242	0.1438	2.5000e-004		5.5500e-003	5.5500e-003		5.2400e-003	5.2400e-003	0.0000	21.3913	21.3913	4.7000e-003	0.0000	21.5088
Total	**0.0138**	**0.1242**	**0.1438**	**2.5000e-004**		**5.5500e-003**	**5.5500e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**21.3913**	**21.3913**	**4.7000e-003**	**0.0000**	**21.5088**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	2.2100e-003	1.6400e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.3369	0.3369	1.0000e-005	5.0000e-005	0.3528
Worker	1.2600e-003	8.3000e-004	0.0105	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.0382	3.0382	8.0000e-005	8.0000e-005	3.0647
Total	**1.3700e-003**	**3.0400e-003**	**0.0122**	**3.0000e-005**	**4.0000e-003**	**2.0000e-005**	**4.0300e-003**	**1.0600e-003**	**2.0000e-005**	**1.0800e-003**	**0.0000**	**3.3751**	**3.3751**	**9.0000e-005**	**1.3000e-004**	**3.4176**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3400e-003	0.0813	0.1448	2.2000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	19.3208	19.3208	4.4900e-003	0.0000	19.4331
Total	**4.3400e-003**	**0.0813**	**0.1448**	**2.2000e-004**		**3.4000e-004**	**3.4000e-004**		**3.4000e-004**	**3.4000e-004**	**0.0000**	**19.3208**	**19.3208**	**4.4900e-003**	**0.0000**	**19.4331**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	2.2100e-003	1.6400e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.3369	0.3369	1.0000e-005	5.0000e-005	0.3528
Worker	1.2600e-003	8.3000e-004	0.0105	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.0382	3.0382	8.0000e-005	8.0000e-005	3.0647
Total	**1.3700e-003**	**3.0400e-003**	**0.0122**	**3.0000e-005**	**4.0000e-003**	**2.0000e-005**	**4.0300e-003**	**1.0600e-003**	**2.0000e-005**	**1.0800e-003**	**0.0000**	**3.3751**	**3.3751**	**9.0000e-005**	**1.3000e-004**	**3.4176**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	1.3680	1.6965	2.9600e-003		0.0570	0.0570		0.0538	0.0538	0.0000	253.8402	253.8402	0.0554	0.0000	255.2241
Total	**0.1520**	**1.3680**	**1.6965**	**2.9600e-003**		**0.0570**	**0.0570**		**0.0538**	**0.0538**	**0.0000**	**253.8402**	**253.8402**	**0.0554**	**0.0000**	**255.2241**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2800e-003	0.0260	0.0193	4.0000e-005	4.1000e-004	3.0000e-005	4.4000e-004	1.3000e-004	3.0000e-005	1.5000e-004	0.0000	3.9199	3.9199	1.4000e-004	6.1000e-004	4.1051
Worker	0.0141	8.9400e-003	0.1172	3.8000e-004	0.0471	2.4000e-004	0.0473	0.0125	2.2000e-004	0.0127	0.0000	34.8181	34.8181	9.2000e-004	9.1000e-004	35.1128
Total	**0.0153**	**0.0349**	**0.1365**	**4.2000e-004**	**0.0475**	**2.7000e-004**	**0.0478**	**0.0126**	**2.5000e-004**	**0.0129**	**0.0000**	**38.7380**	**38.7380**	**1.0600e-003**	**1.5200e-003**	**39.2179**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0515	0.9649	1.7182	2.6300e-003		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	229.2771	229.2771	0.0530	0.0000	230.6027
Total	**0.0515**	**0.9649**	**1.7182**	**2.6300e-003**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**229.2771**	**229.2771**	**0.0530**	**0.0000**	**230.6027**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2800e-003	0.0260	0.0193	4.0000e-005	4.1000e-004	3.0000e-005	4.4000e-004	1.3000e-004	3.0000e-005	1.5000e-004	0.0000	3.9199	3.9199	1.4000e-004	6.1000e-004	4.1051
Worker	0.0141	8.9400e-003	0.1172	3.8000e-004	0.0471	2.4000e-004	0.0473	0.0125	2.2000e-004	0.0127	0.0000	34.8181	34.8181	9.2000e-004	9.1000e-004	35.1128
Total	**0.0153**	**0.0349**	**0.1365**	**4.2000e-004**	**0.0475**	**2.7000e-004**	**0.0478**	**0.0126**	**2.5000e-004**	**0.0129**	**0.0000**	**38.7380**	**38.7380**	**1.0600e-003**	**1.5200e-003**	**39.2179**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0629	0.5661	0.7020	1.2300e-003		0.0236	0.0236		0.0223	0.0223	0.0000	105.0373	105.0373	0.0229	0.0000	105.6100
Total	**0.0629**	**0.5661**	**0.7020**	**1.2300e-003**		**0.0236**	**0.0236**		**0.0223**	**0.0223**	**0.0000**	**105.0373**	**105.0373**	**0.0229**	**0.0000**	**105.6100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0107	7.9000e-003	2.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.5897	1.5897	6.0000e-005	2.5000e-004	1.6649
Worker	5.5000e-003	3.3800e-003	0.0457	1.5000e-004	0.0195	9.0000e-005	0.0196	5.1800e-003	9.0000e-005	5.2600e-003	0.0000	13.9573	13.9573	3.5000e-004	3.6000e-004	14.0723
Total	**6.0200e-003**	**0.0141**	**0.0536**	**1.7000e-004**	**0.0197**	**1.0000e-004**	**0.0198**	**5.2300e-003**	**1.0000e-004**	**5.3200e-003**	**0.0000**	**15.5471**	**15.5471**	**4.1000e-004**	**6.1000e-004**	**15.7372**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0213	0.3993	0.7110	1.0900e-003		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	94.8733	94.8733	0.0219	0.0000	95.4218
Total	**0.0213**	**0.3993**	**0.7110**	**1.0900e-003**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**	**0.0000**	**94.8733**	**94.8733**	**0.0219**	**0.0000**	**95.4218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0107	7.9000e-003	2.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.5897	1.5897	6.0000e-005	2.5000e-004	1.6649
Worker	5.5000e-003	3.3800e-003	0.0457	1.5000e-004	0.0195	9.0000e-005	0.0196	5.1800e-003	9.0000e-005	5.2600e-003	0.0000	13.9573	13.9573	3.5000e-004	3.6000e-004	14.0723
Total	**6.0200e-003**	**0.0141**	**0.0536**	**1.7000e-004**	**0.0197**	**1.0000e-004**	**0.0198**	**5.2300e-003**	**1.0000e-004**	**5.3200e-003**	**0.0000**	**15.5471**	**15.5471**	**4.1000e-004**	**6.1000e-004**	**15.7372**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1220	0.1927	3.2000e-004		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	27.1922	27.1922	1.4800e-003	0.0000	27.2292
Total	**0.3245**	**0.1220**	**0.1927**	**3.2000e-004**		**5.4900e-003**	**5.4900e-003**		**5.4900e-003**	**5.4900e-003**	**0.0000**	**27.1922**	**27.1922**	**1.4800e-003**	**0.0000**	**27.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	5.3000e-003	3.9300e-003	1.0000e-005	8.0000e-005	1.0000e-005	9.0000e-005	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.7998	0.7998	3.0000e-005	1.2000e-004	0.8375
Worker	2.2900e-003	1.4600e-003	0.0191	6.0000e-005	7.6900e-003	4.0000e-005	7.7200e-003	2.0400e-003	4.0000e-005	2.0800e-003	0.0000	5.6830	5.6830	1.5000e-004	1.5000e-004	5.7311
Total	**2.5500e-003**	**6.7600e-003**	**0.0231**	**7.0000e-005**	**7.7700e-003**	**5.0000e-005**	**7.8100e-003**	**2.0700e-003**	**5.0000e-005**	**2.1100e-003**	**0.0000**	**6.4827**	**6.4827**	**1.8000e-004**	**2.7000e-004**	**6.5686**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-003	0.1129	0.1952	3.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	27.1921	27.1921	1.4800e-003	0.0000	27.2292
Total	**0.3121**	**0.1129**	**0.1952**	**3.2000e-004**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**27.1921**	**27.1921**	**1.4800e-003**	**0.0000**	**27.2292**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	5.3000e-003	3.9300e-003	1.0000e-005	8.0000e-005	1.0000e-005	9.0000e-005	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.7998	0.7998	3.0000e-005	1.2000e-004	0.8375
Worker	2.2900e-003	1.4600e-003	0.0191	6.0000e-005	7.6900e-003	4.0000e-005	7.7200e-003	2.0400e-003	4.0000e-005	2.0800e-003	0.0000	5.6830	5.6830	1.5000e-004	1.5000e-004	5.7311
Total	**2.5500e-003**	**6.7600e-003**	**0.0231**	**7.0000e-005**	**7.7700e-003**	**5.0000e-005**	**7.8100e-003**	**2.0700e-003**	**5.0000e-005**	**2.1100e-003**	**0.0000**	**6.4827**	**6.4827**	**1.8000e-004**	**2.7000e-004**	**6.5686**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2300e-003	0.0619	0.0977	1.6000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.1645**	**0.0619**	**0.0977**	**1.6000e-004**		**2.7800e-003**	**2.7800e-003**		**2.7800e-003**	**2.7800e-003**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	2.6700e-003	1.9700e-003	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.3974	0.3974	1.0000e-005	6.0000e-005	0.4162
Worker	1.1000e-003	6.8000e-004	9.1400e-003	3.0000e-005	3.9000e-003	2.0000e-005	3.9200e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	2.7915	2.7915	7.0000e-005	7.0000e-005	2.8145
Total	**1.2300e-003**	**3.3500e-003**	**0.0111**	**3.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.1889**	**3.1889**	**8.0000e-005**	**1.3000e-004**	**3.2307**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0572	0.0990	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.1582**	**0.0572**	**0.0990**	**1.6000e-004**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	2.6700e-003	1.9700e-003	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.3974	0.3974	1.0000e-005	6.0000e-005	0.4162
Worker	1.1000e-003	6.8000e-004	9.1400e-003	3.0000e-005	3.9000e-003	2.0000e-005	3.9200e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	2.7915	2.7915	7.0000e-005	7.0000e-005	2.8145
Total	**1.2300e-003**	**3.3500e-003**	**0.0111**	**3.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.1889**	**3.1889**	**8.0000e-005**	**1.3000e-004**	**3.2307**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2563	0.2572	2.2114	4.4600e-003	0.5045	3.5000e-003	0.5080	0.1347	3.2600e-003	0.1379	0.0000	413.0062	413.0062	0.0321	0.0200	419.7644
Unmitigated	0.2563	0.2572	2.2114	4.4600e-003	0.5045	3.5000e-003	0.5080	0.1347	3.2600e-003	0.1379	0.0000	413.0062	413.0062	0.0321	0.0200	419.7644

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	640.00	640.00	640.00	1,348,838	1,348,838
Total	640.00	640.00	640.00	1,348,838	1,348,838

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.79	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559
Single Family Housing	0.565387	0.062253	0.175474	0.116234	0.023574	0.006359	0.009156	0.006316	0.000699	0.000586	0.028465	0.000937	0.004559

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.8076	122.8076	7.5100e-003	9.1000e-004	123.2663
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.8076	122.8076	7.5100e-003	9.1000e-004	123.2663
NaturalGas Mitigated	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
NaturalGas Unmitigated	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.38121e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
Total		**7.4500e-003**	**0.0636**	**0.0271**	**4.1000e-004**		**5.1500e-003**	**5.1500e-003**		**5.1500e-003**	**5.1500e-003**	**0.0000**	**73.7068**	**73.7068**	**1.4100e-003**	**1.3500e-003**	**74.1449**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.38121e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1500e-003	5.1500e-003		5.1500e-003	5.1500e-003	0.0000	73.7068	73.7068	1.4100e-003	1.3500e-003	74.1449
Total		**7.4500e-003**	**0.0636**	**0.0271**	**4.1000e-004**		**5.1500e-003**	**5.1500e-003**		**5.1500e-003**	**5.1500e-003**	**0.0000**	**73.7068**	**73.7068**	**1.4100e-003**	**1.3500e-003**	**74.1449**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	501397	122.8076	7.5100e-003	9.1000e-004	123.2663
Total		**122.8076**	**7.5100e-003**	**9.1000e-004**	**123.2663**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	501397	122.8076	7.5100e-003	9.1000e-004	123.2663
Total		**122.8076**	**7.5100e-003**	**9.1000e-004**	**123.2663**

6.0 Area Detail

Oak Knoll Project HRA - San Diego County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050
Unmitigated	0.5189	0.0490	0.4938	3.0000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	51.1868	51.1868	1.7100e-003	9.2000e-004	51.5050

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0900e-003	0.0435	0.0185	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	50.4096	50.4096	9.7000e-004	9.2000e-004	50.7092
Landscaping	0.0143	5.4700e-003	0.4752	3.0000e-005		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	0.7772	0.7772	7.5000e-004	0.0000	0.7958
Total	**0.5189**	**0.0490**	**0.4938**	**3.1000e-004**		**6.1600e-003**	**6.1600e-003**		**6.1600e-003**	**6.1600e-003**	**0.0000**	**51.1868**	**51.1868**	**1.7200e-003**	**9.2000e-004**	**51.5050**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0900e-003	0.0435	0.0185	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	50.4096	50.4096	9.7000e-004	9.2000e-004	50.7092
Landscaping	0.0143	5.4700e-003	0.4752	3.0000e-005		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	0.7772	0.7772	7.5000e-004	0.0000	0.7958
Total	**0.5189**	**0.0490**	**0.4938**	**3.1000e-004**		**6.1600e-003**	**6.1600e-003**		**6.1600e-003**	**6.1600e-003**	**0.0000**	**51.1868**	**51.1868**	**1.7200e-003**	**9.2000e-004**	**51.5050**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.7751	0.1371	3.3600e-003	26.2044
Unmitigated	21.7751	0.1371	3.3600e-003	26.2044

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.16986 / 2.62882	21.7751	0.1371	3.3600e-003	26.2044
Total		**21.7751**	**0.1371**	**3.3600e-003**	**26.2044**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.16986 / 2.62882	21.7751	0.1371	3.3600e-003	26.2044
Total		**21.7751**	**0.1371**	**3.3600e-003**	**26.2044**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.2304	0.9001	0.0000	37.7327
Unmitigated	15.2304	0.9001	0.0000	37.7327

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	75.03	15.2304	0.9001	0.0000	37.7327
Total		**15.2304**	**0.9001**	**0.0000**	**37.7327**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	75.03	15.2304	0.9001	0.0000	37.7327
Total		**15.2304**	**0.9001**	**0.0000**	**37.7327**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

```
** Lakes Environmental AERMOD MPI
**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/16/2022
** File: F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID SO2
   RUNORNOT RUN
   ERRORFIL "Oak Knoll.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 0.9674418605
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 30
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** 494666.431, 3645977.744, 139.79, 3.40, 4.00
** 494634.962, 3645968.837, 139.84, 3.40, 4.00
** 494630.212, 3645825.739, 137.49, 3.40, 4.00
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** 494646.243, 3645844.740, 137.92, 3.40, 4.00
** 494697.901, 3645848.303, 137.78, 3.40, 4.00
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** 494735.902, 3646038.902, 143.64, 3.40, 4.00
** 494724.620, 3646041.871, 143.33, 3.40, 4.00
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** 494724.620, 3646009.807, 141.07, 3.40, 4.00
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** 494678.307, 3645931.430, 138.84, 3.40, 4.00
** 494677.713, 3645920.148, 138.64, 3.40, 4.00
** 494707.995, 3645922.523, 138.75, 3.40, 4.00
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   LOCATION L0000225     VOLUME   494686.658 3646038.828 141.10
   LOCATION L0000226     VOLUME   494683.955 3646030.664 140.77
   LOCATION L0000227     VOLUME   494681.251 3646022.500 140.66
   LOCATION L0000228     VOLUME   494678.548 3646014.336 140.58
   LOCATION L0000229     VOLUME   494675.845 3646006.172 140.44
   LOCATION L0000230     VOLUME   494673.141 3645998.008 140.14
   LOCATION L0000231     VOLUME   494670.438 3645989.844 139.88
   LOCATION L0000232     VOLUME   494667.735 3645981.680 139.79
   LOCATION L0000233     VOLUME   494662.146 3645976.531 139.83
   LOCATION L0000234     VOLUME   494653.871 3645974.189 139.84
   LOCATION L0000235     VOLUME   494645.596 3645971.847 139.88
   LOCATION L0000236     VOLUME   494637.321 3645969.505 139.90
   LOCATION L0000237     VOLUME   494634.758 3645962.693 139.75
   LOCATION L0000238     VOLUME   494634.472 3645954.097 139.51
   LOCATION L0000239     VOLUME   494634.187 3645945.502 139.41
   LOCATION L0000240     VOLUME   494633.902 3645936.907 139.16
   LOCATION L0000241     VOLUME   494633.616 3645928.312 138.96
   LOCATION L0000242     VOLUME   494633.331 3645919.716 138.81
   LOCATION L0000243     VOLUME   494633.046 3645911.121 138.69
   LOCATION L0000244     VOLUME   494632.760 3645902.526 138.57
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LOCATION L0000248 VOLUME 494631.619 3645868.145 138.16
LOCATION L0000249 VOLUME 494631.334 3645859.549 138.03
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LOCATION L0000253 VOLUME 494630.780 3645825.793 137.57
LOCATION L0000254 VOLUME 494639.343 3645826.600 137.65
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LOCATION L0000256 VOLUME 494656.467 3645828.213 137.63
LOCATION L0000257 VOLUME 494665.029 3645829.019 137.51
LOCATION L0000258 VOLUME 494673.591 3645829.826 137.55
LOCATION L0000259 VOLUME 494682.153 3645830.633 137.63
LOCATION L0000260 VOLUME 494690.715 3645831.439 137.65
LOCATION L0000261 VOLUME 494699.277 3645832.246 137.66
LOCATION L0000262 VOLUME 494707.839 3645833.052 137.85
LOCATION L0000263 VOLUME 494712.094 3645837.727 137.87
LOCATION L0000264 VOLUME 494711.980 3645846.326 137.90
LOCATION L0000265 VOLUME 494711.865 3645854.925 137.89
LOCATION L0000266 VOLUME 494711.750 3645863.525 137.96
LOCATION L0000267 VOLUME 494711.636 3645872.124 138.11
LOCATION L0000268 VOLUME 494714.289 3645878.074 138.28
LOCATION L0000269 VOLUME 494722.885 3645878.334 138.31
LOCATION L0000270 VOLUME 494731.481 3645878.595 138.39
LOCATION L0000271 VOLUME 494740.077 3645878.855 138.35
LOCATION L0000272 VOLUME 494748.673 3645879.116 138.50
LOCATION L0000273 VOLUME 494750.669 3645885.704 138.55
LOCATION L0000274 VOLUME 494750.567 3645894.303 138.59
LOCATION L0000275 VOLUME 494750.465 3645902.903 138.83
LOCATION L0000276 VOLUME 494750.363 3645911.502 139.05
LOCATION L0000277 VOLUME 494750.261 3645920.101 139.05
LOCATION L0000278 VOLUME 494750.159 3645928.701 139.00
LOCATION L0000279 VOLUME 494750.057 3645937.300 139.06
LOCATION L0000280 VOLUME 494749.955 3645945.900 139.10
LOCATION L0000281 VOLUME 494749.853 3645954.499 139.11
LOCATION L0000282 VOLUME 494749.751 3645963.098 139.29
LOCATION L0000283 VOLUME 494749.649 3645971.698 139.61
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LOCATION L0000285 VOLUME 494749.445 3645988.897 140.53
LOCATION L0000286 VOLUME 494749.343 3645997.496 141.11
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LOCATION L0000298 VOLUME 494750.643 3646050.431 145.89
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LOCATION L0000301 VOLUME 494725.827 3646057.488 145.01
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LOCATION L0000312 VOLUME 494689.264 3645982.424 139.73
LOCATION L0000313 VOLUME 494686.684 3645974.220 139.53
LOCATION L0000314 VOLUME 494683.789 3645966.356 139.18
LOCATION L0000315 VOLUME 494675.412 3645964.412 139.26
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LOCATION L0000322 VOLUME 494649.531 3645923.641 138.80
LOCATION L0000323 VOLUME 494649.173 3645915.049 138.70
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LOCATION L0000335 VOLUME 494678.996 3645846.999 137.75
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LOCATION L0000393 VOLUME 494682.275 3645878.433 138.14
LOCATION L0000394 VOLUME 494682.156 3645887.032 138.21

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   LOCATION L0000410     VOLUME   494723.933 3645986.555 140.07
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   LOCATION L0000427     VOLUME   494684.462 3645920.678 138.64
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   LOCATION L0000429     VOLUME   494701.609 3645922.023 138.72
** End of LINE VOLUME Source ID = SLINE1
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** PREFIX
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** Configuration = Adjacent
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** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
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** 494617.149, 3645782.395, 137.03, 3.40, 4.00
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   LOCATION L0000432     VOLUME   494578.019 3645779.325 137.06
   LOCATION L0000433     VOLUME   494586.592 3645779.998 137.04
   LOCATION L0000434     VOLUME   494595.166 3645780.670 136.99
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** End of LINE VOLUME Source ID = SLINE2
** Source Parameters **
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SRCPARAM L0000406     0.0046511628      3.40      4.00      3.16
SRCPARAM L0000407     0.0046511628      3.40      4.00      3.16
SRCPARAM L0000408     0.0046511628      3.40      4.00      3.16
SRCPARAM L0000409     0.0046511628      3.40      4.00      3.16
SRCPARAM L0000410     0.0046511628      3.40      4.00      3.16
SRCPARAM L0000411     0.0046511628      3.40      4.00      3.16
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   SRCPARAM L0000412     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000413     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000414     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000415     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000416     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000417     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000418     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000419     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000420     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000421     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000422     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000423     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000424     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000425     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000426     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000427     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000428     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000429     0.0046511628      3.40      4.00      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000430     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000431     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000432     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000433     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000434     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000435     0.0046511628      3.40      4.00      3.16
   SRCPARAM L0000436     0.0046511628      3.40      4.00      3.16
** ------------------------------------------------------------------

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000222     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000222     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000223     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000224     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000225     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
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EMISFACT L0000226     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000227     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000228     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000229     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000230     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000231     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000232     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000233     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000234     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000235     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000236     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000236     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000237     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000237     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000238     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000238     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000238     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000238     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000239     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000239     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000239     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000239     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000240     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000240     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000241     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000241     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000242     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000242     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000242     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000242     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000243     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000243     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000244     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000244     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000245     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000245     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000245     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000245     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000246     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000246     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000246     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000246     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000247     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000247     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000248     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000248     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000249     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000249     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000250     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000250     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000251     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
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EMISFACT L0000251     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000252     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000252     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000253     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000253     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000254     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000254     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000255     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000255     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000255     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000255     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000256     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000256     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000256     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000256     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000257     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000257     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000257     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000257     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000258     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000258     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000258     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000258     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000259     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000259     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000259     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000259     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000260     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000260     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000260     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000260     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000261     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000261     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000261     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000261     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000262     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000262     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000262     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000262     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000263     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000263     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000263     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000263     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000264     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000264     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000264     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000264     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000265     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000265     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000265     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000265     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000266     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000266     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000266     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000266     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000267     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000267     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000267     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000267     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000268     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000268     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000268     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000268     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000269     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000269     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000269     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000269     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000270     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000270     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000270     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000270     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000271     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000271     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000271     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000271     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000272     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000272     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000272     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000272     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000273     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000273     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000273     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000273     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000274     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000274     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000274     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000274     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000275     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000275     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000275     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000275     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000276     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000276     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
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EMISFACT L0000276     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000276     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000277     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000277     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000277     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000277     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000278     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000278     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
EMISFACT L0000278     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
EMISFACT L0000278     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000279     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000279     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
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EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000409     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000409     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000416     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000419     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000419     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000419     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000420     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000422     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000422     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000422     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000423     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000423     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000424     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000424     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000424     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000425     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000425     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000426     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000426     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000426     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000426     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000427     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000427     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000428     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000428     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000428     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000428     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000429     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000429     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000429     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000429     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000430     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000431     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000432     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000433     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000434     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
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   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 7.2 7.2 7.2 7.2 7.2
   EMISFACT L0000435     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000436     HRDOW 7.2 7.2 7.2 7.2 7.2 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Oak Knoll.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\Met\KVR_2014_2016_sigma_19191.SFC
   PROFFILE ..\Met\KVR_2014_2016_sigma_19191.PFL
   SURFDATA 93107 2014
   UAIRDATA 3190 2014
   SITEDATA 72293 2014
   PROFBASE 132.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
```

```
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Oak Knoll.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Oak Knoll.AD\PE00GALL.PLT" 32
   SUMMFILE "Oak Knoll.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 CO W361      25       COCARD: Multiyear PERIOD/ANNUAL values for NO2/SO2 require
MULTYEAR Opt
 MX W403    3141       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***        08:54:48

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
```

```
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  SO2

 **Note that special processing requirements apply for the 1-hour SO2 NAAQS - check
available guidance.
   Model will process user-specified ranks of daily maximum 1-hour values averaged
across the number of years modeled.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    215 Source(s);       1 Source Group(s); and     430
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    215 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
```

Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   132.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   3.8 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Oak Knoll.err

 **File for Summary of Results: Oak Knoll.sum

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0000222   0   0.46512E-02 494694.8 3646063.3   142.2   3.40   4.00
3.16   NO   HRDOW
 L0000223   0   0.46512E-02 494692.1 3646055.2   141.7   3.40   4.00
3.16   NO   HRDOW
 L0000224   0   0.46512E-02 494689.4 3646047.0   141.3   3.40   4.00
3.16   NO   HRDOW

```
 L0000225         0   0.46512E-02  494686.7 3646038.8   141.1     3.40     4.00
3.16     NO    HRDOW
 L0000226         0   0.46512E-02  494684.0 3646030.7   140.8     3.40     4.00
3.16     NO    HRDOW
 L0000227         0   0.46512E-02  494681.3 3646022.5   140.7     3.40     4.00
3.16     NO    HRDOW
 L0000228         0   0.46512E-02  494678.5 3646014.3   140.6     3.40     4.00
3.16     NO    HRDOW
 L0000229         0   0.46512E-02  494675.8 3646006.2   140.4     3.40     4.00
3.16     NO    HRDOW
 L0000230         0   0.46512E-02  494673.1 3645998.0   140.1     3.40     4.00
3.16     NO    HRDOW
 L0000231         0   0.46512E-02  494670.4 3645989.8   139.9     3.40     4.00
3.16     NO    HRDOW
 L0000232         0   0.46512E-02  494667.7 3645981.7   139.8     3.40     4.00
3.16     NO    HRDOW
 L0000233         0   0.46512E-02  494662.1 3645976.5   139.8     3.40     4.00
3.16     NO    HRDOW
 L0000234         0   0.46512E-02  494653.9 3645974.2   139.8     3.40     4.00
3.16     NO    HRDOW
 L0000235         0   0.46512E-02  494645.6 3645971.8   139.9     3.40     4.00
3.16     NO    HRDOW
 L0000236         0   0.46512E-02  494637.3 3645969.5   139.9     3.40     4.00
3.16     NO    HRDOW
 L0000237         0   0.46512E-02  494634.8 3645962.7   139.8     3.40     4.00
3.16     NO    HRDOW
 L0000238         0   0.46512E-02  494634.5 3645954.1   139.5     3.40     4.00
3.16     NO    HRDOW
 L0000239         0   0.46512E-02  494634.2 3645945.5   139.4     3.40     4.00
3.16     NO    HRDOW
 L0000240         0   0.46512E-02  494633.9 3645936.9   139.2     3.40     4.00
3.16     NO    HRDOW
 L0000241         0   0.46512E-02  494633.6 3645928.3   139.0     3.40     4.00
3.16     NO    HRDOW
 L0000242         0   0.46512E-02  494633.3 3645919.7   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000243         0   0.46512E-02  494633.0 3645911.1   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000244         0   0.46512E-02  494632.8 3645902.5   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000245         0   0.46512E-02  494632.5 3645893.9   138.5     3.40     4.00
3.16     NO    HRDOW
 L0000246         0   0.46512E-02  494632.2 3645885.3   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000247         0   0.46512E-02  494631.9 3645876.7   138.3     3.40     4.00
3.16     NO    HRDOW
 L0000248         0   0.46512E-02  494631.6 3645868.1   138.2     3.40     4.00
3.16     NO    HRDOW
 L0000249         0   0.46512E-02  494631.3 3645859.5   138.0     3.40     4.00
3.16     NO    HRDOW
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                  *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000250	0	0.46512E-02	494631.0	3645851.0	137.9	3.40	4.00	3.16	NO	HRDOW
L0000251	0	0.46512E-02	494630.8	3645842.4	137.9	3.40	4.00	3.16	NO	HRDOW
L0000252	0	0.46512E-02	494630.5	3645833.8	137.7	3.40	4.00	3.16	NO	HRDOW
L0000253	0	0.46512E-02	494630.8	3645825.8	137.6	3.40	4.00	3.16	NO	HRDOW
L0000254	0	0.46512E-02	494639.3	3645826.6	137.7	3.40	4.00	3.16	NO	HRDOW
L0000255	0	0.46512E-02	494647.9	3645827.4	137.7	3.40	4.00	3.16	NO	HRDOW
L0000256	0	0.46512E-02	494656.5	3645828.2	137.6	3.40	4.00	3.16	NO	HRDOW
L0000257	0	0.46512E-02	494665.0	3645829.0	137.5	3.40	4.00	3.16	NO	HRDOW
L0000258	0	0.46512E-02	494673.6	3645829.8	137.6	3.40	4.00	3.16	NO	HRDOW
L0000259	0	0.46512E-02	494682.2	3645830.6	137.6	3.40	4.00	3.16	NO	HRDOW
L0000260	0	0.46512E-02	494690.7	3645831.4	137.7	3.40	4.00	3.16	NO	HRDOW
L0000261	0	0.46512E-02	494699.3	3645832.2	137.7	3.40	4.00	3.16	NO	HRDOW
L0000262	0	0.46512E-02	494707.8	3645833.1	137.9	3.40	4.00	3.16	NO	HRDOW
L0000263	0	0.46512E-02	494712.1	3645837.7	137.9	3.40	4.00	3.16	NO	HRDOW
L0000264	0	0.46512E-02	494712.0	3645846.3	137.9	3.40	4.00	3.16	NO	HRDOW

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 L0000265         0   0.46512E-02  494711.9 3645854.9   137.9     3.40     4.00
3.16     NO    HRDOW
 L0000266         0   0.46512E-02  494711.8 3645863.5   138.0     3.40     4.00
3.16     NO    HRDOW
 L0000267         0   0.46512E-02  494711.6 3645872.1   138.1     3.40     4.00
3.16     NO    HRDOW
 L0000268         0   0.46512E-02  494714.3 3645878.1   138.3     3.40     4.00
3.16     NO    HRDOW
 L0000269         0   0.46512E-02  494722.9 3645878.3   138.3     3.40     4.00
3.16     NO    HRDOW
 L0000270         0   0.46512E-02  494731.5 3645878.6   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000271         0   0.46512E-02  494740.1 3645878.9   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000272         0   0.46512E-02  494748.7 3645879.1   138.5     3.40     4.00
3.16     NO    HRDOW
 L0000273         0   0.46512E-02  494750.7 3645885.7   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000274         0   0.46512E-02  494750.6 3645894.3   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000275         0   0.46512E-02  494750.5 3645902.9   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000276         0   0.46512E-02  494750.4 3645911.5   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000277         0   0.46512E-02  494750.3 3645920.1   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000278         0   0.46512E-02  494750.2 3645928.7   139.0     3.40     4.00
3.16     NO    HRDOW
 L0000279         0   0.46512E-02  494750.1 3645937.3   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000280         0   0.46512E-02  494750.0 3645945.9   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000281         0   0.46512E-02  494749.9 3645954.5   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000282         0   0.46512E-02  494749.8 3645963.1   139.3     3.40     4.00
3.16     NO    HRDOW
 L0000283         0   0.46512E-02  494749.6 3645971.7   139.6     3.40     4.00
3.16     NO    HRDOW
 L0000284         0   0.46512E-02  494749.5 3645980.3   140.0     3.40     4.00
3.16     NO    HRDOW
 L0000285         0   0.46512E-02  494749.4 3645988.9   140.5     3.40     4.00
3.16     NO    HRDOW
 L0000286         0   0.46512E-02  494749.3 3645997.5   141.1     3.40     4.00
3.16     NO    HRDOW
 L0000287         0   0.46512E-02  494749.2 3646006.1   142.0     3.40     4.00
3.16     NO    HRDOW
 L0000288         0   0.46512E-02  494749.1 3646014.7   142.5     3.40     4.00
3.16     NO    HRDOW
 L0000289         0   0.46512E-02  494749.0 3646023.3   143.2     3.40     4.00
3.16     NO    HRDOW
```

```
 L0000290         0   0.46512E-02  494751.5 3646029.4   143.9     3.40     4.00
3.16     NO    HRDOW
 L0000291         0   0.46512E-02  494760.1 3646029.4   144.1     3.40     4.00
3.16     NO    HRDOW
 L0000292         0   0.46512E-02  494768.7 3646029.4   144.0     3.40     4.00
3.16     NO    HRDOW
 L0000293         0   0.46512E-02  494777.3 3646029.4   144.3     3.40     4.00
3.16     NO    HRDOW
 L0000294         0   0.46512E-02  494778.4 3646037.2   145.3     3.40     4.00
3.16     NO    HRDOW
 L0000295         0   0.46512E-02  494775.5 3646043.4   146.0     3.40     4.00
3.16     NO    HRDOW
 L0000296         0   0.46512E-02  494767.2 3646045.7   146.1     3.40     4.00
3.16     NO    HRDOW
 L0000297         0   0.46512E-02  494758.9 3646048.1   146.2     3.40     4.00
3.16     NO    HRDOW
 L0000298         0   0.46512E-02  494750.6 3646050.4   145.9     3.40     4.00
3.16     NO    HRDOW
 L0000299         0   0.46512E-02  494742.4 3646052.8   145.6     3.40     4.00
3.16     NO    HRDOW
 L0000300         0   0.46512E-02  494734.1 3646055.1   145.3     3.40     4.00
3.16     NO    HRDOW
 L0000301         0   0.46512E-02  494725.8 3646057.5   145.0     3.40     4.00
3.16     NO    HRDOW
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000302         0   0.46512E-02  494717.6 3646059.8   144.6     3.40     4.00
3.16     NO    HRDOW
 L0000303         0   0.46512E-02  494712.5 3646056.3   143.6     3.40     4.00
3.16     NO    HRDOW
 L0000304         0   0.46512E-02  494709.9 3646048.1   142.7     3.40     4.00
3.16     NO    HRDOW
```

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 L0000305         0   0.46512E-02  494707.3 3646039.9   141.7     3.40     4.00
3.16     NO    HRDOW
 L0000306         0   0.46512E-02  494704.7 3646031.6   141.0     3.40     4.00
3.16     NO    HRDOW
 L0000307         0   0.46512E-02  494702.2 3646023.4   140.8     3.40     4.00
3.16     NO    HRDOW
 L0000308         0   0.46512E-02  494699.6 3646015.2   140.8     3.40     4.00
3.16     NO    HRDOW
 L0000309         0   0.46512E-02  494697.0 3646007.0   140.2     3.40     4.00
3.16     NO    HRDOW
 L0000310         0   0.46512E-02  494694.4 3645998.8   140.0     3.40     4.00
3.16     NO    HRDOW
 L0000311         0   0.46512E-02  494691.8 3645990.6   139.9     3.40     4.00
3.16     NO    HRDOW
 L0000312         0   0.46512E-02  494689.3 3645982.4   139.7     3.40     4.00
3.16     NO    HRDOW
 L0000313         0   0.46512E-02  494686.7 3645974.2   139.5     3.40     4.00
3.16     NO    HRDOW
 L0000314         0   0.46512E-02  494683.8 3645966.4   139.2     3.40     4.00
3.16     NO    HRDOW
 L0000315         0   0.46512E-02  494675.4 3645964.4   139.3     3.40     4.00
3.16     NO    HRDOW
 L0000316         0   0.46512E-02  494667.0 3645962.5   139.4     3.40     4.00
3.16     NO    HRDOW
 L0000317         0   0.46512E-02  494658.7 3645960.5   139.4     3.40     4.00
3.16     NO    HRDOW
 L0000318         0   0.46512E-02  494651.0 3645958.0   139.4     3.40     4.00
3.16     NO    HRDOW
 L0000319         0   0.46512E-02  494650.6 3645949.4   139.2     3.40     4.00
3.16     NO    HRDOW
 L0000320         0   0.46512E-02  494650.2 3645940.8   139.0     3.40     4.00
3.16     NO    HRDOW
 L0000321         0   0.46512E-02  494649.9 3645932.2   138.9     3.40     4.00
3.16     NO    HRDOW
 L0000322         0   0.46512E-02  494649.5 3645923.6   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000323         0   0.46512E-02  494649.2 3645915.0   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000324         0   0.46512E-02  494648.8 3645906.5   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000325         0   0.46512E-02  494648.5 3645897.9   138.5     3.40     4.00
3.16     NO    HRDOW
 L0000326         0   0.46512E-02  494648.1 3645889.3   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000327         0   0.46512E-02  494647.7 3645880.7   138.3     3.40     4.00
3.16     NO    HRDOW
 L0000328         0   0.46512E-02  494647.4 3645872.1   138.2     3.40     4.00
3.16     NO    HRDOW
 L0000329         0   0.46512E-02  494647.0 3645863.5   138.1     3.40     4.00
3.16     NO    HRDOW
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000330	0	0.46512E-02	494646.7	3645854.9	138.1	3.40	4.00	3.16	NO	HRDOW
L0000331	0	0.46512E-02	494646.3	3645846.3	138.0	3.40	4.00	3.16	NO	HRDOW
L0000332	0	0.46512E-02	494653.3	3645845.2	137.9	3.40	4.00	3.16	NO	HRDOW
L0000333	0	0.46512E-02	494661.8	3645845.8	137.8	3.40	4.00	3.16	NO	HRDOW
L0000334	0	0.46512E-02	494670.4	3645846.4	137.7	3.40	4.00	3.16	NO	HRDOW
L0000335	0	0.46512E-02	494679.0	3645847.0	137.8	3.40	4.00	3.16	NO	HRDOW
L0000336	0	0.46512E-02	494687.6	3645847.6	137.8	3.40	4.00	3.16	NO	HRDOW
L0000337	0	0.46512E-02	494696.2	3645848.2	137.8	3.40	4.00	3.16	NO	HRDOW
L0000338	0	0.46512E-02	494697.7	3645855.1	137.9	3.40	4.00	3.16	NO	HRDOW
L0000339	0	0.46512E-02	494697.5	3645863.7	137.9	3.40	4.00	3.16	NO	HRDOW
L0000340	0	0.46512E-02	494697.3	3645872.3	138.1	3.40	4.00	3.16	NO	HRDOW
L0000341	0	0.46512E-02	494697.1	3645880.9	138.2	3.40	4.00	3.16	NO	HRDOW
L0000342	0	0.46512E-02	494696.8	3645889.5	138.3	3.40	4.00	3.16	NO	HRDOW
L0000343	0	0.46512E-02	494700.8	3645894.3	138.3	3.40	4.00	3.16	NO	HRDOW
L0000344	0	0.46512E-02	494709.4	3645894.8	138.6	3.40	4.00	3.16	NO	HRDOW

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 L0000345         0   0.46512E-02  494718.0 3645895.4   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000346         0   0.46512E-02  494726.6 3645895.9   138.5     3.40     4.00
3.16     NO    HRDOW
 L0000347         0   0.46512E-02  494734.1 3645897.4   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000348         0   0.46512E-02  494734.2 3645906.0   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000349         0   0.46512E-02  494734.3 3645914.6   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000350         0   0.46512E-02  494734.5 3645923.2   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000351         0   0.46512E-02  494734.6 3645931.8   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000352         0   0.46512E-02  494734.7 3645940.4   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000353         0   0.46512E-02  494734.8 3645949.0   138.9     3.40     4.00
3.16     NO    HRDOW
 L0000354         0   0.46512E-02  494734.9 3645957.6   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000355         0   0.46512E-02  494735.0 3645966.2   139.3     3.40     4.00
3.16     NO    HRDOW
 L0000356         0   0.46512E-02  494735.1 3645974.8   139.7     3.40     4.00
3.16     NO    HRDOW
 L0000357         0   0.46512E-02  494735.2 3645983.4   140.1     3.40     4.00
3.16     NO    HRDOW
 L0000358         0   0.46512E-02  494735.3 3645992.0   140.5     3.40     4.00
3.16     NO    HRDOW
 L0000359         0   0.46512E-02  494735.4 3646000.6   141.1     3.40     4.00
3.16     NO    HRDOW
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3.16     NO    HRDOW
 L0000361         0   0.46512E-02  494735.6 3646017.8   142.0     3.40     4.00
3.16     NO    HRDOW
 L0000362         0   0.46512E-02  494735.7 3646026.4   142.8     3.40     4.00
3.16     NO    HRDOW
 L0000363         0   0.46512E-02  494735.9 3646035.0   143.5     3.40     4.00
3.16     NO    HRDOW
 L0000364         0   0.46512E-02  494731.3 3646040.1   143.6     3.40     4.00
3.16     NO    HRDOW
 L0000365         0   0.46512E-02  494724.1 3646040.3   143.1     3.40     4.00
3.16     NO    HRDOW
 L0000366         0   0.46512E-02  494721.6 3646032.1   142.2     3.40     4.00
3.16     NO    HRDOW
 L0000367         0   0.46512E-02  494719.0 3646023.9   141.4     3.40     4.00
3.16     NO    HRDOW
 L0000368         0   0.46512E-02  494716.4 3646015.7   141.0     3.40     4.00
3.16     NO    HRDOW
 L0000369         0   0.46512E-02  494713.9 3646007.5   140.5     3.40     4.00
3.16     NO    HRDOW
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 L0000370   0   0.46512E-02 494711.3 3645999.2   140.1   3.40   4.00
3.16   NO   HRDOW
 L0000371   0   0.46512E-02 494708.8 3645991.0   139.8   3.40   4.00
3.16   NO   HRDOW
 L0000372   0   0.46512E-02 494706.2 3645982.8   139.6   3.40   4.00
3.16   NO   HRDOW
 L0000373   0   0.46512E-02 494703.6 3645974.6   139.5   3.40   4.00
3.16   NO   HRDOW
 L0000374   0   0.46512E-02 494701.1 3645966.4   139.2   3.40   4.00
3.16   NO   HRDOW
 L0000375   0   0.46512E-02 494698.5 3645958.2   139.0   3.40   4.00
3.16   NO   HRDOW
 L0000376   0   0.46512E-02 494695.9 3645950.0   138.9   3.40   4.00
3.16   NO   HRDOW
 L0000377   0   0.46512E-02 494688.4 3645947.7   138.9   3.40   4.00
3.16   NO   HRDOW
 L0000378   0   0.46512E-02 494679.9 3645946.6   139.0   3.40   4.00
3.16   NO   HRDOW
 L0000379   0   0.46512E-02 494671.3 3645945.5   139.1   3.40   4.00
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 L0000380   0   0.46512E-02 494667.8 3645939.6   139.0   3.40   4.00
3.16   NO   HRDOW
 L0000381   0   0.46512E-02 494667.2 3645931.1   138.8   3.40   4.00
3.16   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0000382   0   0.46512E-02 494666.6 3645922.5   138.7   3.40   4.00
3.16   NO   HRDOW
 L0000383   0   0.46512E-02 494666.0 3645913.9   138.6   3.40   4.00
3.16   NO   HRDOW
 L0000384   0   0.46512E-02 494665.4 3645905.3   138.5   3.40   4.00
3.16   NO   HRDOW

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 L0000385         0   0.46512E-02  494664.8 3645896.8   138.5     3.40     4.00
3.16     NO    HRDOW
 L0000386         0   0.46512E-02  494664.1 3645888.2   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000387         0   0.46512E-02  494663.5 3645879.6   138.2     3.40     4.00
3.16     NO    HRDOW
 L0000388         0   0.46512E-02  494662.9 3645871.0   138.1     3.40     4.00
3.16     NO    HRDOW
 L0000389         0   0.46512E-02  494662.3 3645862.4   138.0     3.40     4.00
3.16     NO    HRDOW
 L0000390         0   0.46512E-02  494670.3 3645863.1   138.0     3.40     4.00
3.16     NO    HRDOW
 L0000391         0   0.46512E-02  494678.8 3645864.4   138.0     3.40     4.00
3.16     NO    HRDOW
 L0000392         0   0.46512E-02  494682.4 3645869.8   138.1     3.40     4.00
3.16     NO    HRDOW
 L0000393         0   0.46512E-02  494682.3 3645878.4   138.1     3.40     4.00
3.16     NO    HRDOW
 L0000394         0   0.46512E-02  494682.2 3645887.0   138.2     3.40     4.00
3.16     NO    HRDOW
 L0000395         0   0.46512E-02  494682.0 3645895.6   138.3     3.40     4.00
3.16     NO    HRDOW
 L0000396         0   0.46512E-02  494681.9 3645904.2   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000397         0   0.46512E-02  494687.0 3645907.9   138.4     3.40     4.00
3.16     NO    HRDOW
 L0000398         0   0.46512E-02  494695.6 3645908.3   138.5     3.40     4.00
3.16     NO    HRDOW
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3.16     NO    HRDOW
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3.16     NO    HRDOW
 L0000401         0   0.46512E-02  494721.4 3645909.4   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000402         0   0.46512E-02  494721.9 3645917.8   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000403         0   0.46512E-02  494722.2 3645926.4   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000404         0   0.46512E-02  494722.4 3645935.0   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000405         0   0.46512E-02  494722.7 3645943.6   138.9     3.40     4.00
3.16     NO    HRDOW
 L0000406         0   0.46512E-02  494722.9 3645952.2   139.0     3.40     4.00
3.16     NO    HRDOW
 L0000407         0   0.46512E-02  494723.2 3645960.8   139.2     3.40     4.00
3.16     NO    HRDOW
 L0000408         0   0.46512E-02  494723.4 3645969.4   139.5     3.40     4.00
3.16     NO    HRDOW
 L0000409         0   0.46512E-02  494723.7 3645978.0   139.8     3.40     4.00
3.16     NO    HRDOW
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 L0000410         0   0.46512E-02  494723.9 3645986.6   140.1     3.40     4.00
3.16     NO    HRDOW
 L0000411         0   0.46512E-02  494724.2 3645995.2   140.4     3.40     4.00
3.16     NO    HRDOW
 L0000412         0   0.46512E-02  494724.4 3646003.7   140.8     3.40     4.00
3.16     NO    HRDOW
 L0000413         0   0.46512E-02  494724.0 3646007.4   141.0     3.40     4.00
3.16     NO    HRDOW
 L0000414         0   0.46512E-02  494721.8 3645999.0   140.4     3.40     4.00
3.16     NO    HRDOW
 L0000415         0   0.46512E-02  494719.6 3645990.7   140.0     3.40     4.00
3.16     NO    HRDOW
 L0000416         0   0.46512E-02  494717.3 3645982.4   139.8     3.40     4.00
3.16     NO    HRDOW
 L0000417         0   0.46512E-02  494715.1 3645974.1   139.6     3.40     4.00
3.16     NO    HRDOW
 L0000418         0   0.46512E-02  494712.9 3645965.8   139.4     3.40     4.00
3.16     NO    HRDOW
 L0000419         0   0.46512E-02  494710.7 3645957.5   139.1     3.40     4.00
3.16     NO    HRDOW
 L0000420         0   0.46512E-02  494708.5 3645949.2   139.0     3.40     4.00
3.16     NO    HRDOW
 L0000421         0   0.46512E-02  494706.3 3645940.9   138.9     3.40     4.00
3.16     NO    HRDOW
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

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3.16     NO    HRDOW
 L0000423         0   0.46512E-02  494694.6 3645932.9   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000424         0   0.46512E-02  494686.0 3645932.1   138.8     3.40     4.00
3.16     NO    HRDOW
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 L0000425         0   0.46512E-02  494678.3 3645930.6   138.8     3.40     4.00
3.16     NO    HRDOW
 L0000426         0   0.46512E-02  494677.8 3645922.0   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000427         0   0.46512E-02  494684.5 3645920.7   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000428         0   0.46512E-02  494693.0 3645921.3   138.6     3.40     4.00
3.16     NO    HRDOW
 L0000429         0   0.46512E-02  494701.6 3645922.0   138.7     3.40     4.00
3.16     NO    HRDOW
 L0000430         0   0.46512E-02  494560.9 3645778.0   137.0     3.40     4.00
3.16     NO    HRDOW
 L0000431         0   0.46512E-02  494569.4 3645778.7   137.0     3.40     4.00
3.16     NO    HRDOW
 L0000432         0   0.46512E-02  494578.0 3645779.3   137.1     3.40     4.00
3.16     NO    HRDOW
 L0000433         0   0.46512E-02  494586.6 3645780.0   137.0     3.40     4.00
3.16     NO    HRDOW
 L0000434         0   0.46512E-02  494595.2 3645780.7   137.0     3.40     4.00
3.16     NO    HRDOW
 L0000435         0   0.46512E-02  494603.7 3645781.3   137.0     3.40     4.00
3.16     NO    HRDOW
 L0000436         0   0.46512E-02  494612.3 3645782.0   137.1     3.40     4.00
3.16     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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  ALL        L0000222    , L0000223    , L0000224    , L0000225    , L0000226    ,
L0000227    , L0000228    , L0000229    ,

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L0000235    , L0000236    , L0000237    ,

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L0000251    , L0000252    , L0000253    ,
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L0000379    , L0000380    , L0000381    ,
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0000382 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,

L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 ,

L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,

L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 , L0000413 ,

L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 , L0000421 ,

L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 ,

L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 ,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000222 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000224 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000225 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000226 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01

```
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000227     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000228   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000231   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000232   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000233     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000234     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000235   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000236   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000237   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                        ***       08:54:48

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000238     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000239   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000240 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000241 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***       08:54:48

                                    PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000243     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000244 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000245 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000246   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
 SOURCE ID = L0000247   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000247     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000248 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000249 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000250     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000251     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000252 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000253 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01						

```
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000254     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000255 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000256   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000258   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000259   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

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 SOURCE ID = L0000260     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000261     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000262     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000263   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                   DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                   DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                   DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000264   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000266     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000267   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000268   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000269     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000270     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000271 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.7200E+01				
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01
14	.7200E+01	15	.7200E+01	16	.7200E+01				
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000272 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000273     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000274 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000275 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000276 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01

```
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000277     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000278   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000279 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000280 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000281   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000282   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000283     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000284     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000285   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000286   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000287   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                        ***       08:54:48

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000288     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000289   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000290 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000291 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000293     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000294 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000295 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000296   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000297   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000298 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000299 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00						

```
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                        ***       08:54:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000300     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000301     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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 SOURCE ID = L0000302   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000303   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01

14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000304   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000305     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000306   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000308   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000309   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000310     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000311     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000312     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000313   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000314   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000316     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000317   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000318   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000319     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000320     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000321 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000322 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000323 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000324 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000325 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000326 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01

```
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000327     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000328   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000329 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000330 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000331 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000332   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000333     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000334     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000335 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000336   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000337   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000338     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000339   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000340 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000341 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000343   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000344 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000345 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000346 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000347   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000348 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000349 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000350   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                        ***        08:54:48

                                   PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000351     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                        ***        08:54:48

                                   PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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SOURCE ID = L0000352 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000353 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01						

14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000354   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000355     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000356   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000357   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000358   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000359   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000360     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000361     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***         06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***         08:54:48

                                  PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000362     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000363   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                   DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                   DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                   DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000364   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                    PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000366     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000367   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000368   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000369 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000370     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000371 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000372 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000373     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000374 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000375 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000376 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01

```
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000377     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000378   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000379 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000380 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000381   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000382   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000383     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000384     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000385 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000386   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000387   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000388     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000389   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000390 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000391 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000393   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000394 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000395 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000396   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000397     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000398 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000399 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000400   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000401     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000402 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000403 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01						

14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000404   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000405 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

WEEK (HRDOW) *

 SOURCE ID = L0000406   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000407   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000408   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000409   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

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 SOURCE ID = L0000410     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000411     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                       ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                      ***        08:54:48

                                  PAGE 200
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000412     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000413   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                   DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                   DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                   DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000414   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***        08:54:48

                                    PAGE 204
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000416     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000417   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000418   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 207
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000419     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000420     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000421 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000422 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000424 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .7200E+01
9 .7200E+01 10 .7200E+01 11 .7200E+01 12 .7200E+01 13 .7200E+01
14 .7200E+01 15 .7200E+01 16 .7200E+01
17 .7200E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000425 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000426 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01

```
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                         ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000427     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000428   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000429 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01
17	.7200E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000430 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.7200E+01
9	.7200E+01	10	.7200E+01	11	.7200E+01	12	.7200E+01	13	.7200E+01	14	.7200E+01	15	.7200E+01	16	.7200E+01

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   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000431     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000432   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01
14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000433     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                        ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 222
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000434     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .7200E+01
    9  .7200E+01   10  .7200E+01   11  .7200E+01   12  .7200E+01   13  .7200E+01
14  .7200E+01   15  .7200E+01   16  .7200E+01
   17  .7200E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000435 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000436   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .7200E+01
    9 .7200E+01   10 .7200E+01   11 .7200E+01   12 .7200E+01   13 .7200E+01   14 .7200E+01   15 .7200E+01   16 .7200E+01
   17 .7200E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

```
    ( 494162.6, 3645390.6,     141.5,     232.0,       0.0);         ( 494226.6,
3645390.6,     140.4,     232.0,       0.0);
    ( 494290.6, 3645390.6,     140.9,     232.0,       0.0);         ( 494354.6,
3645390.6,     141.1,     232.0,       0.0);
    ( 494418.6, 3645390.6,     141.9,     232.0,       0.0);         ( 494482.6,
3645390.6,     142.5,     232.0,       0.0);
    ( 494546.6, 3645390.6,     144.0,     242.3,       0.0);         ( 494162.6,
3645445.1,     136.7,     316.1,       0.0);
    ( 494226.6, 3645445.1,     136.5,     232.0,       0.0);         ( 494290.6,
3645445.1,     136.5,     232.0,       0.0);
    ( 494354.6, 3645445.1,     136.5,     232.0,       0.0);         ( 494418.6,
3645445.1,     137.6,     232.0,       0.0);
    ( 494482.6, 3645445.1,     138.4,     234.7,       0.0);         ( 494546.6,
3645445.1,     141.7,     243.4,       0.0);
    ( 494226.6, 3645499.6,     135.9,     316.1,       0.0);         ( 494290.6,
3645499.6,     136.8,     232.0,       0.0);
    ( 494354.6, 3645499.6,     136.7,     232.0,       0.0);         ( 494418.6,
3645499.6,     136.8,     232.0,       0.0);
    ( 494482.6, 3645499.6,     137.9,     232.0,       0.0);         ( 494546.6,
3645499.6,     138.6,     243.4,       0.0);
    ( 494290.6, 3645554.0,     136.9,     232.0,       0.0);         ( 494354.6,
3645554.0,     136.9,     232.0,       0.0);
    ( 494418.6, 3645554.0,     137.6,     232.0,       0.0);         ( 494482.6,
3645554.0,     138.0,     232.0,       0.0);
    ( 494546.6, 3645554.0,     138.1,     243.4,       0.0);         ( 494610.6,
3645554.0,     137.3,     243.4,       0.0);
    ( 494674.6, 3645554.0,     137.8,     243.4,       0.0);         ( 494738.6,
3645554.0,     140.2,     243.4,       0.0);
    ( 494802.6, 3645554.0,     141.2,     243.4,       0.0);         ( 494866.6,
3645554.0,     141.0,     243.4,       0.0);
    ( 494482.6, 3645608.5,     137.0,     222.7,       0.0);         ( 494546.6,
3645608.5,     136.9,     242.3,       0.0);
    ( 494610.6, 3645608.5,     136.9,     243.4,       0.0);         ( 494674.6,
3645608.5,     137.3,     243.4,       0.0);
    ( 494738.6, 3645608.5,     137.5,     243.4,       0.0);         ( 494802.6,
3645608.5,     137.6,     243.4,       0.0);
    ( 494866.6, 3645608.5,     138.0,     243.4,       0.0);         ( 494930.6,
3645608.5,     139.6,     243.4,       0.0);
    ( 494546.6, 3645663.0,     137.2,     222.7,       0.0);         ( 494610.6,
3645663.0,     136.8,     243.4,       0.0);
    ( 494674.6, 3645663.0,     137.1,     243.4,       0.0);         ( 494738.6,
3645663.0,     137.5,     243.4,       0.0);
    ( 494802.6, 3645663.0,     137.9,     243.4,       0.0);         ( 494866.6,
3645663.0,     138.3,     243.4,       0.0);
    ( 494930.6, 3645663.0,     139.4,     243.4,       0.0);         ( 494866.6,
3645717.5,     138.6,     243.4,       0.0);
    ( 494930.6, 3645717.5,     139.1,     243.4,       0.0);         ( 494994.6,
3645826.4,     140.1,     243.4,       0.0);
    ( 495058.6, 3645826.4,     140.5,     243.4,       0.0);         ( 495122.6,
3645826.4,     140.6,     243.4,       0.0);
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(494802.6, 3645880.9, 140.0, 243.4, 0.0); (494866.6, 3645880.9, 139.9, 243.4, 0.0);
(494930.6, 3645880.9, 139.8, 243.4, 0.0); (494994.6, 3645880.9, 140.4, 243.4, 0.0);
(495058.6, 3645880.9, 140.6, 243.4, 0.0); (495122.6, 3645880.9, 140.5, 243.4, 0.0);
(495186.6, 3645880.9, 140.9, 243.4, 0.0); (495250.6, 3645880.9, 140.7, 243.4, 0.0);
(495314.6, 3645880.9, 141.2, 243.4, 0.0); (494802.6, 3645935.4, 140.1, 166.7, 0.0);
(494866.6, 3645935.4, 140.6, 243.4, 0.0); (494930.6, 3645935.4, 140.6, 243.4, 0.0);
(494994.6, 3645935.4, 141.0, 243.4, 0.0); (495058.6, 3645935.4, 140.9, 243.4, 0.0);
(495122.6, 3645935.4, 140.8, 243.4, 0.0); (495186.6, 3645935.4, 141.5, 243.4, 0.0);
(495250.6, 3645935.4, 141.5, 243.4, 0.0); (495314.6, 3645935.4, 141.6, 243.4, 0.0);
(494802.6, 3645989.9, 140.8, 166.7, 0.0); (494866.6, 3645989.9, 141.6, 166.7, 0.0);
(494930.6, 3645989.9, 141.4, 243.4, 0.0); (494994.6, 3645989.9, 142.0, 243.4, 0.0);
(495058.6, 3645989.9, 141.3, 243.4, 0.0); (495122.6, 3645989.9, 141.1, 243.4, 0.0);
(495186.6, 3645989.9, 141.8, 243.4, 0.0); (495250.6, 3645989.9, 141.8, 243.4, 0.0);
(495314.6, 3645989.9, 141.8, 243.4, 0.0); (494930.6, 3646044.4, 142.2, 166.7, 0.0);
(494994.6, 3646044.4, 142.9, 166.7, 0.0); (495058.6, 3646044.4, 141.7, 243.4, 0.0);
(495122.6, 3646044.4, 141.5, 243.4, 0.0); (495186.6, 3646044.4, 142.1, 243.4, 0.0);
(495250.6, 3646044.4, 142.2, 243.4, 0.0); (495314.6, 3646044.4, 142.2, 243.4, 0.0);
(494930.6, 3646098.8, 143.9, 166.7, 0.0); (494994.6, 3646098.8, 143.9, 166.7, 0.0);
(495058.6, 3646098.8, 142.2, 166.7, 0.0); (495122.6, 3646098.8, 142.5, 242.2, 0.0);
(495186.6, 3646098.8, 142.6, 243.4, 0.0); (495250.6, 3646098.8, 142.5, 243.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(495314.6, 3646098.8, 142.5, 243.4, 0.0); (494930.6, 3646153.3, 144.6, 166.7, 0.0);
(494994.6, 3646153.3, 144.4, 192.6, 0.0); (495058.6, 3646153.3, 143.1, 193.1, 0.0);
(495122.6, 3646153.3, 142.7, 193.1, 0.0); (495186.6, 3646153.3, 142.4, 193.1, 0.0);
(495250.6, 3646153.3, 142.4, 193.1, 0.0); (495314.6, 3646153.3, 142.8, 142.8, 0.0);
(494866.6, 3646207.8, 147.9, 166.7, 0.0); (494930.6, 3646207.8, 145.3, 193.1, 0.0);
(494994.6, 3646207.8, 146.0, 193.1, 0.0); (495058.6, 3646207.8, 144.8, 193.1, 0.0);
(495122.6, 3646207.8, 145.5, 193.1, 0.0); (495186.6, 3646207.8, 145.0, 193.1, 0.0);
(495250.6, 3646207.8, 144.2, 193.1, 0.0); (495314.6, 3646207.8, 143.9, 193.1, 0.0);
(494866.6, 3646262.3, 146.4, 193.1, 0.0); (494930.6, 3646262.3, 145.7, 193.1, 0.0);
(494994.6, 3646262.3, 146.4, 193.1, 0.0); (495058.6, 3646262.3, 146.2, 193.1, 0.0);
(495122.6, 3646262.3, 145.6, 193.1, 0.0); (495186.6, 3646262.3, 145.2, 210.3, 0.0);
(495250.6, 3646262.3, 144.5, 212.2, 0.0); (495314.6, 3646262.3, 144.2, 213.1, 0.0);
(494994.6, 3646316.8, 147.3, 193.1, 0.0); (495058.6, 3646316.8, 147.6, 193.1, 0.0);
(495122.6, 3646316.8, 146.8, 211.7, 0.0); (495186.6, 3646316.8, 146.1, 212.4, 0.0);
(495250.6, 3646316.8, 145.3, 214.6, 0.0); (495314.6, 3646316.8, 144.4, 216.0, 0.0);
(494994.6, 3646371.2, 148.0, 210.4, 0.0); (494773.0, 3645843.1, 140.1, 243.4, 0.0);
(494784.0, 3645843.1, 139.6, 243.4, 0.0); (494795.0, 3645843.1, 139.4, 243.4, 0.0);
(494806.0, 3645843.1, 140.0, 243.4, 0.0); (494817.0, 3645843.1, 139.9, 243.4, 0.0);
(494773.0, 3645863.1, 140.2, 243.4, 0.0); (494784.0, 3645863.1, 139.7, 243.4, 0.0);
(494795.0, 3645863.1, 139.6, 243.4, 0.0); (494806.0, 3645863.1, 140.1, 243.4, 0.0);
(494817.0, 3645863.1, 140.2, 243.4, 0.0); (494828.0, 3645863.1, 139.7, 243.4, 0.0);
(494839.0, 3645863.1, 139.6, 243.4, 0.0); (494850.0, 3645863.1, 139.5, 243.4, 0.0);
(494861.0, 3645863.1, 139.5, 243.4, 0.0); (494872.0, 3645863.1, 139.5, 243.4, 0.0);
(494883.0, 3645863.1, 139.6, 243.4, 0.0); (494894.0, 3645863.1, 139.6, 243.4, 0.0);

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     ( 494927.0, 3645863.1,     139.6,     243.4,       0.0);         ( 494773.0,
3645883.1,     140.1,     242.6,       0.0);
     ( 494784.0, 3645883.1,     140.0,     243.4,       0.0);         ( 494795.0,
3645883.1,     139.8,     243.4,       0.0);
     ( 494806.0, 3645883.1,     140.2,     243.4,       0.0);         ( 494817.0,
3645883.1,     140.2,     243.4,       0.0);
     ( 494828.0, 3645883.1,     139.8,     243.4,       0.0);         ( 494839.0,
3645883.1,     139.8,     243.4,       0.0);
     ( 494850.0, 3645883.1,     139.8,     243.4,       0.0);         ( 494861.0,
3645883.1,     139.9,     243.4,       0.0);
     ( 494872.0, 3645883.1,     139.9,     243.4,       0.0);         ( 494883.0,
3645883.1,     139.8,     243.4,       0.0);
     ( 494894.0, 3645883.1,     139.9,     243.4,       0.0);         ( 494905.0,
3645883.1,     139.7,     243.4,       0.0);
     ( 494916.0, 3645883.1,     139.8,     243.4,       0.0);         ( 494927.0,
3645883.1,     139.8,     243.4,       0.0);
     ( 494773.0, 3645903.1,     139.3,     242.2,       0.0);         ( 494784.0,
3645903.1,     139.5,     242.6,       0.0);
     ( 494795.0, 3645903.1,     139.7,     243.4,       0.0);         ( 494806.0,
3645903.1,     139.9,     243.4,       0.0);
     ( 494817.0, 3645903.1,     140.0,     243.4,       0.0);         ( 494828.0,
3645903.1,     140.2,     243.4,       0.0);
     ( 494839.0, 3645903.1,     140.2,     243.4,       0.0);         ( 494850.0,
3645903.1,     140.4,     243.4,       0.0);
     ( 494861.0, 3645903.1,     140.5,     243.4,       0.0);         ( 494872.0,
3645903.1,     140.5,     243.4,       0.0);
     ( 494883.0, 3645903.1,     140.5,     243.4,       0.0);         ( 494894.0,
3645903.1,     140.6,     243.4,       0.0);
     ( 494905.0, 3645903.1,     140.4,     243.4,       0.0);         ( 494916.0,
3645903.1,     140.3,     243.4,       0.0);
     ( 494927.0, 3645903.1,     140.1,     243.4,       0.0);         ( 494773.0,
3645923.1,     139.5,     166.7,       0.0);
     ( 494784.0, 3645923.1,     139.6,     166.7,       0.0);         ( 494795.0,
3645923.1,     139.8,     241.0,       0.0);
     ( 494806.0, 3645923.1,     140.0,     242.3,       0.0);         ( 494817.0,
3645923.1,     140.1,     242.6,       0.0);
     ( 494828.0, 3645923.1,     140.2,     243.4,       0.0);         ( 494839.0,
3645923.1,     140.4,     243.4,       0.0);
     ( 494850.0, 3645923.1,     140.5,     243.4,       0.0);         ( 494861.0,
3645923.1,     140.5,     243.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(494894.0, 3645923.1, 140.7, 243.4, 0.0); (494905.0, 3645923.1, 140.7, 243.4, 0.0);
(494916.0, 3645923.1, 140.6, 243.4, 0.0); (494927.0, 3645923.1, 140.4, 243.4, 0.0);
(494938.0, 3645923.1, 140.4, 243.4, 0.0); (494773.0, 3645943.1, 139.6, 166.7, 0.0);
(494784.0, 3645943.1, 139.9, 166.7, 0.0); (494795.0, 3645943.1, 140.0, 166.7, 0.0);
(494806.0, 3645943.1, 140.2, 166.7, 0.0); (494817.0, 3645943.1, 140.4, 166.7, 0.0);
(494828.0, 3645943.1, 140.4, 242.2, 0.0); (494839.0, 3645943.1, 140.5, 242.3, 0.0);
(494850.0, 3645943.1, 140.7, 242.9, 0.0); (494861.0, 3645943.1, 140.8, 243.4, 0.0);
(494872.0, 3645943.1, 141.0, 243.4, 0.0); (494883.0, 3645943.1, 141.0, 243.4, 0.0);
(494894.0, 3645943.1, 140.9, 243.4, 0.0); (494905.0, 3645943.1, 140.8, 243.4, 0.0);
(494916.0, 3645943.1, 140.8, 243.4, 0.0); (494927.0, 3645943.1, 140.8, 243.4, 0.0);
(494938.0, 3645943.1, 140.8, 243.4, 0.0); (494773.0, 3645963.1, 139.8, 166.7, 0.0);
(494784.0, 3645963.1, 140.1, 166.7, 0.0); (494795.0, 3645963.1, 140.2, 166.7, 0.0);
(494806.0, 3645963.1, 140.3, 166.7, 0.0); (494817.0, 3645963.1, 140.6, 166.7, 0.0);
(494828.0, 3645963.1, 140.7, 166.7, 0.0); (494839.0, 3645963.1, 140.8, 166.7, 0.0);
(494850.0, 3645963.1, 141.0, 166.7, 0.0); (494861.0, 3645963.1, 141.0, 241.0, 0.0);
(494872.0, 3645963.1, 141.3, 242.3, 0.0); (494883.0, 3645963.1, 141.3, 242.6, 0.0);
(494894.0, 3645963.1, 141.2, 243.4, 0.0); (494905.0, 3645963.1, 141.1, 243.4, 0.0);
(494916.0, 3645963.1, 141.1, 243.4, 0.0); (494927.0, 3645963.1, 141.1, 243.4, 0.0);
(494938.0, 3645963.1, 141.0, 243.4, 0.0); (494773.0, 3645983.1, 140.5, 166.7, 0.0);
(494784.0, 3645983.1, 140.7, 166.7, 0.0); (494795.0, 3645983.1, 140.8, 166.7, 0.0);
(494806.0, 3645983.1, 140.9, 166.7, 0.0); (494817.0, 3645983.1, 141.1, 166.7, 0.0);
(494828.0, 3645983.1, 141.2, 166.7, 0.0); (494839.0, 3645983.1, 141.3, 166.7, 0.0);

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     ( 494872.0, 3645983.1,     141.4,     166.7,       0.0);         ( 494883.0,
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     ( 494894.0, 3645983.1,     141.5,     242.2,       0.0);         ( 494905.0,
3645983.1,     141.5,     242.3,       0.0);
     ( 494916.0, 3645983.1,     141.4,     243.4,       0.0);         ( 494927.0,
3645983.1,     141.3,     243.4,       0.0);
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     ( 494795.0, 3646003.1,     141.8,     166.7,       0.0);         ( 494806.0,
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     ( 494817.0, 3646003.1,     141.8,     166.7,       0.0);         ( 494828.0,
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     ( 494839.0, 3646003.1,     141.8,     166.7,       0.0);         ( 494850.0,
3646003.1,     141.8,     166.7,       0.0);
     ( 494861.0, 3646003.1,     141.8,     166.7,       0.0);         ( 494872.0,
3646003.1,     141.9,     166.7,       0.0);
     ( 494883.0, 3646003.1,     141.9,     166.7,       0.0);         ( 494894.0,
3646003.1,     141.9,     166.7,       0.0);
     ( 494905.0, 3646003.1,     141.8,     166.7,       0.0);         ( 494916.0,
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     ( 494927.0, 3646003.1,     141.6,     242.2,       0.0);         ( 494938.0,
3646003.1,     141.6,     242.6,       0.0);
     ( 494806.0, 3646023.1,     143.6,     166.7,       0.0);         ( 494817.0,
3646023.1,     143.5,     166.7,       0.0);
     ( 494828.0, 3646023.1,     143.3,     166.7,       0.0);         ( 494839.0,
3646023.1,     143.2,     166.7,       0.0);
     ( 494850.0, 3646023.1,     143.1,     166.7,       0.0);         ( 494861.0,
3646023.1,     143.1,     166.7,       0.0);
     ( 494872.0, 3646023.1,     142.4,     166.7,       0.0);         ( 494883.0,
3646023.1,     142.2,     166.7,       0.0);
     ( 494894.0, 3646023.1,     142.2,     166.7,       0.0);         ( 494905.0,
3646023.1,     142.1,     166.7,       0.0);
     ( 494916.0, 3646023.1,     141.9,     166.7,       0.0);         ( 494927.0,
3646023.1,     141.9,     166.7,       0.0);
     ( 494938.0, 3646023.1,     141.8,     166.7,       0.0);         ( 494806.0,
3646043.1,     144.8,     166.7,       0.0);
     ( 494817.0, 3646043.1,     144.7,     166.7,       0.0);         ( 494828.0,
3646043.1,     144.1,     166.7,       0.0);
     ( 494839.0, 3646043.1,     144.0,     166.7,       0.0);         ( 494850.0,
3646043.1,     144.0,     166.7,       0.0);
     ( 494861.0, 3646043.1,     144.6,     166.7,       0.0);         ( 494872.0,
3646043.1,     143.5,     166.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***        08:54:48
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(494883.0, 3646043.1, 142.8, 166.7, 0.0); (494894.0, 3646043.1, 142.5, 166.7, 0.0);
(494916.0, 3646043.1, 142.2, 166.7, 0.0); (494927.0, 3646043.1, 142.1, 166.7, 0.0);
(494938.0, 3646043.1, 142.1, 166.7, 0.0); (494916.0, 3646063.1, 142.8, 166.7, 0.0);
(494927.0, 3646063.1, 142.5, 166.7, 0.0); (494938.0, 3646063.1, 142.5, 166.7, 0.0);
(494916.0, 3646083.1, 143.7, 166.7, 0.0); (494927.0, 3646083.1, 143.6, 166.7, 0.0);
(494938.0, 3646083.1, 143.5, 166.7, 0.0); (494916.0, 3646103.1, 144.0, 166.7, 0.0);
(494927.0, 3646103.1, 143.9, 166.7, 0.0); (494938.0, 3646103.1, 143.9, 166.7, 0.0);
(494905.0, 3646123.1, 145.4, 166.7, 0.0); (494916.0, 3646123.1, 144.4, 166.7, 0.0);
(494927.0, 3646123.1, 144.4, 166.7, 0.0); (494938.0, 3646123.1, 144.3, 166.7, 0.0);
(494949.0, 3646123.1, 144.0, 166.7, 0.0); (494905.0, 3646143.1, 145.3, 166.7, 0.0);
(494916.0, 3646143.1, 144.4, 166.7, 0.0); (494927.0, 3646143.1, 144.6, 166.7, 0.0);
(494938.0, 3646143.1, 144.6, 166.7, 0.0); (494949.0, 3646143.1, 144.4, 166.7, 0.0);
(494905.0, 3646163.1, 145.7, 166.7, 0.0); (494916.0, 3646163.1, 144.9, 166.7, 0.0);
(494927.0, 3646163.1, 144.8, 166.7, 0.0); (494938.0, 3646163.1, 144.7, 166.7, 0.0);
(494949.0, 3646163.1, 144.8, 166.7, 0.0); (494883.0, 3646183.1, 148.6, 166.7, 0.0);
(494894.0, 3646183.1, 145.0, 166.7, 0.0); (494905.0, 3646183.1, 145.1, 166.7, 0.0);
(494916.0, 3646183.1, 145.1, 166.7, 0.0); (494927.0, 3646183.1, 145.1, 192.6, 0.0);
(494938.0, 3646183.1, 145.1, 193.1, 0.0); (494949.0, 3646183.1, 145.1, 193.1, 0.0);
(494839.0, 3646203.1, 149.5, 166.7, 0.0); (494850.0, 3646203.1, 149.6, 166.7, 0.0);
(494861.0, 3646203.1, 149.2, 166.7, 0.0); (494872.0, 3646203.1, 148.0, 166.7, 0.0);
(494883.0, 3646203.1, 146.8, 166.7, 0.0); (494894.0, 3646203.1, 145.3, 192.6, 0.0);
(494905.0, 3646203.1, 145.2, 193.1, 0.0); (494916.0, 3646203.1, 145.2, 193.1, 0.0);

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     ( 494949.0, 3646203.1,     145.2,     193.1,       0.0);         ( 494839.0,
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     ( 494850.0, 3646223.1,     147.2,     166.7,       0.0);         ( 494861.0,
3646223.1,     147.2,     166.7,       0.0);
     ( 494872.0, 3646223.1,     147.0,     166.7,       0.0);         ( 494883.0,
3646223.1,     146.8,     166.7,       0.0);
     ( 494894.0, 3646223.1,     146.5,     193.1,       0.0);         ( 494905.0,
3646223.1,     145.7,     193.1,       0.0);
     ( 494916.0, 3646223.1,     145.6,     193.1,       0.0);         ( 494927.0,
3646223.1,     145.5,     193.1,       0.0);
     ( 494938.0, 3646223.1,     145.5,     193.1,       0.0);         ( 494839.0,
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     ( 494850.0, 3646243.1,     147.1,     166.7,       0.0);         ( 494861.0,
3646243.1,     146.9,     192.6,       0.0);
     ( 494872.0, 3646243.1,     146.4,     193.1,       0.0);         ( 494883.0,
3646243.1,     146.2,     193.1,       0.0);
     ( 494894.0, 3646243.1,     146.0,     193.1,       0.0);         ( 494905.0,
3646243.1,     145.7,     193.1,       0.0);
     ( 494916.0, 3646243.1,     145.5,     193.1,       0.0);         ( 494927.0,
3646243.1,     145.6,     193.1,       0.0);
     ( 494938.0, 3646243.1,     145.6,     193.1,       0.0);         ( 494872.0,
3646263.1,     146.3,     193.1,       0.0);
     ( 494883.0, 3646263.1,     146.0,     193.1,       0.0);         ( 494894.0,
3646263.1,     145.8,     193.1,       0.0);
     ( 494905.0, 3646263.1,     145.6,     193.1,       0.0);         ( 494916.0,
3646263.1,     145.6,     193.1,       0.0);
     ( 494927.0, 3646263.1,     145.7,     193.1,       0.0);         ( 494938.0,
3646263.1,     145.7,     193.1,       0.0);
     ( 494872.0, 3646283.1,     146.4,     193.1,       0.0);         ( 494883.0,
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     ( 494894.0, 3646283.1,     146.4,     193.1,       0.0);         ( 494905.0,
3646283.1,     146.4,     193.1,       0.0);
     ( 494916.0, 3646283.1,     146.3,     193.1,       0.0);         ( 494927.0,
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     ( 494938.0, 3646283.1,     146.2,     193.1,       0.0);         ( 494872.0,
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     ( 494883.0, 3646303.1,     146.6,     193.1,       0.0);         ( 494894.0,
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     ( 494905.0, 3646303.1,     146.4,     193.1,       0.0);         ( 494916.0,
3646303.1,     146.3,     193.1,       0.0);
     ( 494927.0, 3646303.1,     146.3,     193.1,       0.0);         ( 494938.0,
3646303.1,     146.2,     193.1,       0.0);
     ( 494642.6, 3645779.5,     136.9,     242.3,       0.0);         ( 494675.2,
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 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***        08:54:48
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(494745.3, 3645796.7, 138.8, 243.4, 0.0); (494750.0, 3645848.9, 138.8, 243.4, 0.0);
(494768.4, 3645800.8, 139.3, 243.4, 0.0); (494784.5, 3645801.4, 139.5, 243.4, 0.0);
(494802.3, 3645804.4, 139.6, 243.4, 0.0); (494820.7, 3645804.4, 139.5, 243.4, 0.0);
(494839.7, 3645805.6, 139.5, 243.4, 0.0); (494854.5, 3645810.9, 139.8, 243.4, 0.0);
(494874.7, 3645811.5, 139.7, 243.4, 0.0); (494893.7, 3645811.5, 139.7, 243.4, 0.0);
(494905.6, 3645818.1, 139.8, 243.4, 0.0); (494939.5, 3645822.8, 140.0, 243.4, 0.0);
(494583.8, 3646040.7, 141.3, 166.7, 0.0); (494571.3, 3645977.2, 141.2, 141.2, 0.0);
(494584.4, 3645919.0, 140.1, 140.1, 0.0); (494571.3, 3645863.2, 139.0, 218.8, 0.0);
(494527.4, 3645916.0, 140.1, 281.2, 0.0); (494528.5, 3645980.2, 141.3, 281.5, 0.0);
(494478.7, 3645920.2, 140.7, 281.5, 0.0); (494486.4, 3645854.9, 139.5, 281.5, 0.0);
(494426.4, 3645862.0, 140.1, 281.5, 0.0); (494392.0, 3645860.8, 140.0, 281.5, 0.0);
(494388.4, 3645830.5, 139.6, 281.5, 0.0); (494431.8, 3645837.1, 139.3, 281.5, 0.0);
(494421.1, 3645804.4, 138.6, 281.5, 0.0); (494396.1, 3645799.0, 138.5, 281.5, 0.0);
(494502.4, 3645745.6, 137.0, 218.8, 0.0); (494476.3, 3645746.2, 136.9, 218.8, 0.0);
(494439.5, 3645753.3, 136.6, 281.5, 0.0); (494425.8, 3645708.8, 136.2, 281.5, 0.0);
(494397.3, 3645721.3, 136.0, 281.5, 0.0); (494355.2, 3645714.7, 136.0, 281.5, 0.0);
(494319.5, 3645705.2, 136.2, 316.1, 0.0); (494308.3, 3645745.0, 137.1, 316.1, 0.0);
(494286.3, 3645699.9, 135.9, 316.1, 0.0); (494321.3, 3645668.4, 136.1, 281.5, 0.0);
(494870.1, 3646306.8, 147.0, 193.1, 0.0); (494869.1, 3646263.3, 146.3, 193.1, 0.0);
(494832.4, 3646261.4, 146.9, 192.6, 0.0); (494832.4, 3646205.3, 149.1, 166.7, 0.0);

```
     ( 494897.1, 3646174.3,     145.0,     166.7,       0.0);         ( 494907.8,
3646091.2,     144.0,     166.7,       0.0);
     ( 494909.7, 3646042.8,     142.4,     166.7,       0.0);         ( 494805.3,
3646044.8,     144.9,     166.7,       0.0);
     ( 494795.6, 3646015.8,     142.9,     166.7,       0.0);         ( 494769.5,
3645991.6,     141.0,     166.7,       0.0);
     ( 494771.5, 3645836.9,     140.0,     243.4,       0.0);         ( 494934.8,
3645858.2,     139.6,     243.4,       0.0);
     ( 494949.4, 3646128.9,     144.1,     166.7,       0.0);         ( 494948.4,
3646310.7,     146.3,     193.1,       0.0);
     ( 494189.9, 3645549.0,     135.6,     316.1,       0.0);         ( 494232.5,
3645539.6,     136.4,     316.1,       0.0);
     ( 494454.5, 3645605.7,     137.7,     222.7,       0.0);         ( 494558.4,
3645684.4,     137.2,     222.7,       0.0);
     ( 494933.1, 3645727.0,     139.3,     243.4,       0.0);         ( 494937.8,
3645558.5,     140.5,     243.4,       0.0);
     ( 494582.0, 3645516.0,     139.5,     243.4,       0.0);         ( 494610.3,
3645375.9,     146.9,     243.4,       0.0);
     ( 494378.9, 3645353.8,     142.2,     232.0,       0.0);         ( 494114.8,
3645356.4,     144.0,     232.0,       0.0);
     ( 494983.4, 3646395.7,     148.1,     211.3,       0.0);         ( 494978.7,
3645778.5,     140.1,     243.4,       0.0);
     ( 495021.2, 3645788.0,     140.4,     243.4,       0.0);         ( 495221.2,
3645838.4,     141.1,     243.4,       0.0);
     ( 495337.7, 3645854.1,     141.6,     243.4,       0.0);         ( 495345.5,
3646340.6,     145.8,     216.6,       0.0);
     ( 495046.4, 3646342.2,     148.0,     210.4,       0.0);         ( 495044.8,
3646397.3,     148.7,     211.9,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                    PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                    (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***       06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                    PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   ..\Met\KVR_2014_2016_sigma_19191.SFC
                Met Version:  19191
   Profile file:   ..\Met\KVR_2014_2016_sigma_19191.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:    93107                  Upper air station no.:     3190
                 Name: UNKNOWN                                    Name: UNKNOWN

                 Year:   2014                                     Year:   2014

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 14 01 01   1 01   -2.3  0.051 -9.000 -9.000 -999.   28.      5.3  0.20   1.17
1.00    1.00   38.   10.0  282.9   10.0
 14 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.17
1.00    0.00    0.   10.0  281.5   10.0
```

```
 14 01 01   1 03   -3.9  0.067 -9.000 -9.000 -999.   41.      6.8  0.20   1.17
1.00    1.30   41.   10.0  281.5   10.0
 14 01 01   1 04   -8.3  0.098 -9.000 -9.000 -999.   73.     10.0  0.20   1.17
1.00    1.90   52.   10.0  282.1   10.0
 14 01 01   1 05   -6.8  0.087 -9.000 -9.000 -999.   62.      8.6  0.16   1.17
1.00    1.80   63.   10.0  281.2   10.0
 14 01 01   1 06   -1.1  0.036 -9.000 -9.000 -999.   17.      3.7  0.20   1.17
1.00    0.70   52.   10.0  281.2   10.0
 14 01 01   1 07   -6.7  0.087 -9.000 -9.000 -999.   62.      8.9  0.20   1.17
1.00    1.70   56.   10.0  281.6   10.0
 14 01 01   1 08   -5.4  0.087 -9.000 -9.000 -999.   62.     10.9  0.20   1.17
0.50    1.70   40.   10.0  282.4   10.0
 14 01 01   1 09   44.4  0.102  0.470  0.019   84.   78.     -2.1  0.25   1.17
0.30    0.50  129.   10.0  286.4   10.0
 14 01 01   1 10  107.4  0.190  0.845  0.014  201.  199.     -5.7  0.28   1.17
0.23    1.10  302.   10.0  289.4   10.0
 14 01 01   1 11  148.7  0.374  1.070  0.008  294.  550.    -31.5  0.28   1.17
0.21    2.80  302.   10.0  291.4   10.0
 14 01 01   1 12  167.7  0.308  1.233  0.008  398.  412.    -15.5  0.19   1.17
0.20    2.40  343.   10.0  292.2   10.0
 14 01 01   1 13  164.2  0.298  1.349  0.007  533.  391.    -14.4  0.19   1.17
0.20    2.30  338.   10.0  293.9   10.0
 14 01 01   1 14  139.3  0.375  1.394  0.009  693.  552.    -33.8  0.19   1.17
0.21    3.20  334.   10.0  294.9   10.0
 14 01 01   1 15   91.1  0.421  1.254  0.009  772.  654.    -72.7  0.28   1.17
0.24    3.40  319.   10.0  294.2   10.0
 14 01 01   1 16   27.2  0.345  0.846  0.009  792.  491.   -134.8  0.28   1.17
0.33    2.90  319.   10.0  293.4   10.0
 14 01 01   1 17  -10.8  0.117 -9.000 -9.000 -999.  167.     13.3  0.28   1.17
0.61    2.10  312.   10.0  291.4   10.0
 14 01 01   1 18   -4.4  0.076 -9.000 -9.000 -999.   54.      8.7  0.42   1.17
1.00    1.20  277.   10.0  288.9   10.0
 14 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.17
1.00    0.00    0.   10.0  287.6   10.0
 14 01 01   1 20   -2.2  0.050 -9.000 -9.000 -999.   27.      5.1  0.19   1.17
1.00    1.00  357.   10.0  286.5   10.0
 14 01 01   1 21   -1.5  0.044 -9.000 -9.000 -999.   22.      5.0  0.42   1.17
1.00    0.70  291.   10.0  285.0   10.0
 14 01 01   1 22   -8.2  0.097 -9.000 -9.000 -999.   73.      9.9  0.20   1.17
1.00    1.90    8.   10.0  283.6   10.0
 14 01 01   1 23   -1.4  0.040 -9.000 -9.000 -999.   20.      4.1  0.19   1.17
1.00    0.80  357.   10.0  282.4   10.0
 14 01 01   1 24   -3.8  0.065 -9.000 -9.000 -999.   40.      6.5  0.19   1.17
1.00    1.30  354.   10.0  282.2   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 14 01 01 01   10.0 1   38.    1.00   282.9   30.0  -99.00    0.46
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                 L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                 L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                 L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF SO2   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         494162.58   3645390.61   1.77077   494226.58
3645390.61   1.76486
         494290.58   3645390.61   1.69018   494354.58
3645390.61   1.60218
         494418.58   3645390.61   1.51798   494482.58
3645390.61   1.48958
         494546.58   3645390.61   1.43161   494162.58
3645445.09   2.04445
         494226.58   3645445.09   2.07229   494290.58
3645445.09   2.03794
         494354.58   3645445.09   1.94528   494418.58
3645445.09   1.88648
         494482.58   3645445.09   1.85949   494546.58
3645445.09   1.91240
         494226.58   3645499.57   2.47227   494290.58
3645499.57   2.54311
         494354.58   3645499.57   2.48502   494418.58
3645499.57   2.37156
         494482.58   3645499.57   2.32521   494546.58
3645499.57   2.40448

494290.58 3645554.05 3.17980 494354.58 3645554.05 3.22205
494418.58 3645554.05 3.18395 494482.58 3645554.05 3.06617
494546.58 3645554.05 3.09168 494610.58 3645554.05 3.34190
494674.58 3645554.05 3.71259 494738.58 3645554.05 3.99558
494802.58 3645554.05 4.27479 494866.58 3645554.05 4.63059
494482.58 3645608.53 4.21169 494546.58 3645608.53 4.18423
494610.58 3645608.53 4.56287 494674.58 3645608.53 5.20199
494738.58 3645608.53 5.74524 494802.58 3645608.53 6.23924
494866.58 3645608.53 6.66343 494930.58 3645608.53 6.79254
494546.58 3645663.01 6.43480 494610.58 3645663.01 7.03181
494674.58 3645663.01 8.21841 494738.58 3645663.01 9.07664
494802.58 3645663.01 9.74695 494866.58 3645663.01 9.99386
494930.58 3645663.01 9.61987 494866.58 3645717.49 15.55424
494930.58 3645717.49 13.67856 494994.58 3645826.45 16.69828
495058.58 3645826.45 12.23758 495122.58 3645826.45 9.24609
494802.58 3645880.93 86.04510 494866.58 3645880.93 43.19853
494930.58 3645880.93 26.13129 494994.58 3645880.93 17.25749
495058.58 3645880.93 12.08890 495122.58 3645880.93 8.86566
495186.58 3645880.93 6.73373 495250.58 3645880.93 5.27529
495314.58 3645880.93 4.22862 494802.58 3645935.41 99.76779
494866.58 3645935.41 45.51907 494930.58 3645935.41 25.60472
494994.58 3645935.41 16.10158 495058.58 3645935.41 10.96333
495122.58 3645935.41 7.91039 495186.58 3645935.41 5.94981
495250.58 3645935.41 4.64651 495314.58 3645935.41 3.73005
494802.58 3645989.89 96.61328 494866.58 3645989.89 41.77199

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                  L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                  L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                  L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF SO2   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         495122.58   3646044.37   5.75728   495186.58
3646044.37   4.40055
         495250.58   3646044.37   3.48853   495314.58
3646044.37   2.84260
         494930.58   3646098.85   12.87424   494994.58
3646098.85   8.94371
         495058.58   3646098.85   6.68765   495122.58
3646098.85   5.03502
         495186.58   3646098.85   3.91547   495250.58
3646098.85   3.14144
         495314.58   3646098.85   2.57576   494930.58

3646153.33 9.49515
494994.58 3646153.33 7.29627 495058.58
3646153.33 5.78091
495122.58 3646153.33 4.52610 495186.58
3646153.33 3.60413
495250.58 3646153.33 2.91949 495314.58
3646153.33 2.39530
494866.58 3646207.81 7.01651 494930.58
3646207.81 6.75648
494994.58 3646207.81 5.60513 495058.58
3646207.81 4.74325
495122.58 3646207.81 3.78581 495186.58
3646207.81 3.11837
495250.58 3646207.81 2.61474 495314.58
3646207.81 2.19744
494866.58 3646262.29 4.92538 494930.58
3646262.29 4.79875
494994.58 3646262.29 4.28675 495058.58
3646262.29 3.79663
495122.58 3646262.29 3.31360 495186.58
3646262.29 2.82968
495250.58 3646262.29 2.42309 495314.58
3646262.29 2.06253
494994.58 3646316.77 3.19427 495058.58
3646316.77 2.95555
495122.58 3646316.77 2.73565 495186.58
3646316.77 2.46564
495250.58 3646316.77 2.18603 495314.58
3646316.77 1.92970
494994.58 3646371.25 2.43206 494772.95
3645843.10 84.77478
494783.95 3645843.10 76.40865 494794.95
3645843.10 68.82389
494805.95 3645843.10 62.21336 494816.95
3645843.10 56.45106
494772.95 3645863.10 112.22601 494783.95
3645863.10 96.60097
494794.95 3645863.10 83.77411 494805.95
3645863.10 73.55753
494816.95 3645863.10 65.16486 494827.95
3645863.10 58.15334
494838.95 3645863.10 52.28040 494849.95
3645863.10 47.30508
494860.95 3645863.10 43.02219 494871.95
3645863.10 39.29729
494882.95 3645863.10 36.04190 494893.95
3645863.10 33.16133
494904.95 3645863.10 30.60118 494915.95
3645863.10 28.31891
494926.95 3645863.10 26.26767 494772.95

3645883.10   143.17616
         494783.95   3645883.10   115.98728   494794.95
3645883.10   97.05846
         494805.95   3645883.10   83.15504   494816.95
3645883.10   72.33154
         494827.95   3645883.10   63.63056   494838.95
3645883.10   56.54851
         494849.95   3645883.10   50.66191   494860.95
3645883.10   45.67649
         494871.95   3645883.10   41.40211   494882.95
3645883.10   37.69564
         494893.95   3645883.10   34.46220   494904.95
3645883.10   31.61112
         494915.95   3645883.10   29.09524   494926.95
3645883.10   26.85412
         494772.95   3645903.10   159.02496   494783.95
3645903.10   127.46744
         494794.95   3645903.10   105.65993   494805.95
3645903.10   89.64836

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                              *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                  L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                  L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                  L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF SO2   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         494816.95   3645903.10   77.26067   494827.95
3645903.10   67.47274

494838.95 3645903.10 59.50033 494849.95
3645903.10 52.91824
494860.95 3645903.10 47.38625 494871.95
3645903.10 42.68070
494882.95 3645903.10 38.63719 494893.95
3645903.10 35.12909
494904.95 3645903.10 32.07063 494915.95
3645903.10 29.37743
494926.95 3645903.10 27.00132 494772.95
3645923.10 166.97061
494783.95 3645923.10 133.89442 494794.95
3645923.10 110.79666
494805.95 3645923.10 93.55177 494816.95
3645923.10 80.23808
494827.95 3645923.10 69.68417 494838.95
3645923.10 61.14455
494849.95 3645923.10 54.08797 494860.95
3645923.10 48.18331
494871.95 3645923.10 43.18105 494882.95
3645923.10 38.90129
494893.95 3645923.10 35.20425 494904.95
3645923.10 31.99560
494915.95 3645923.10 29.19135 494926.95
3645923.10 26.72556
494937.95 3645923.10 24.54274 494772.95
3645943.10 170.69755
494783.95 3645943.10 136.92475 494794.95
3645943.10 113.00016
494805.95 3645943.10 95.15880 494816.95
3645943.10 81.39065
494827.95 3645943.10 70.43272 494838.95
3645943.10 61.55776
494849.95 3645943.10 54.24107 494860.95
3645943.10 48.11705
494871.95 3645943.10 42.93026 494882.95
3645943.10 38.50402
494893.95 3645943.10 34.71106 494904.95
3645943.10 31.42880
494915.95 3645943.10 28.56081 494926.95
3645943.10 26.05087
494937.95 3645943.10 23.84348 494772.95
3645963.10 170.83496
494783.95 3645963.10 136.62623 494794.95
3645963.10 112.47591
494805.95 3645963.10 94.54994 494816.95
3645963.10 80.77006
494827.95 3645963.10 69.76573 494838.95
3645963.10 60.81259
494849.95 3645963.10 53.40158 494860.95
3645963.10 47.19225

```
         494871.95    3645963.10       41.93248                       494882.95
3645963.10       37.45918
         494893.95    3645963.10       33.64633                       494904.95
3645963.10       30.35632
         494915.95    3645963.10       27.49643                       494926.95
3645963.10       25.00734
         494937.95    3645963.10       22.83233                       494772.95
3645983.10      167.51766
         494783.95    3645983.10      133.69312                       494794.95
3645983.10      110.05140
         494805.95    3645983.10       92.60302                       494816.95
3645983.10       79.01967
         494827.95    3645983.10       68.05305                       494838.95
3645983.10       59.06094
         494849.95    3645983.10       51.60314                       494860.95
3645983.10       45.37649
         494871.95    3645983.10       40.15820                       494882.95
3645983.10       35.73889
         494893.95    3645983.10       31.97722                       494904.95
3645983.10       28.75048
         494915.95    3645983.10       25.99598                       494926.95
3645983.10       23.59985
         494937.95    3645983.10       21.51281                       494783.95
3646003.10      131.92588
         494794.95    3646003.10      109.22093                       494805.95
3646003.10       91.26008
         494816.95    3646003.10       77.03742                       494827.95
3646003.10       65.47849
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***       08:54:48

                                    PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0000222    , L0000223
, L0000224    , L0000225    , L0000226    ,
                   L0000227    , L0000228    , L0000229    , L0000230    , L0000231
, L0000232    , L0000233    , L0000234    ,
                   L0000235    , L0000236    , L0000237    , L0000238    , L0000239
, L0000240    , L0000241    , L0000242    ,
                   L0000243    , L0000244    , L0000245    , L0000246    , L0000247
, L0000248    , L0000249    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF SO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
494838.95	3646003.10	56.17248	494849.95	3646003.10	48.64510
494860.95	3646003.10	42.50325	494871.95	3646003.10	37.42718
494882.95	3646003.10	33.20913	494893.95	3646003.10	29.66033
494904.95	3646003.10	26.65074	494915.95	3646003.10	24.08800
494926.95	3646003.10	21.87200	494937.95	3646003.10	19.94456
494805.95	3646023.10	90.87635	494816.95	3646023.10	72.76482
494827.95	3646023.10	60.10137	494838.95	3646023.10	50.79013
494849.95	3646023.10	43.63811	494860.95	3646023.10	38.00298
494871.95	3646023.10	33.65308	494882.95	3646023.10	29.93141
494893.95	3646023.10	26.79808	494904.95	3646023.10	24.14990
494915.95	3646023.10	21.90571	494926.95	3646023.10	19.94581
494937.95	3646023.10	18.24365	494805.95	3646043.10	74.75602
494816.95	3646043.10	59.65667	494827.95	3646043.10	49.79213
494838.95	3646043.10	42.51402	494849.95	3646043.10	36.81061
494860.95	3646043.10	31.98977	494871.95	3646043.10	29.04679
494882.95	3646043.10	26.24637	494893.95	3646043.10	23.72570
494915.95	3646043.10	19.65261	494926.95	3646043.10	18.00223
494937.95	3646043.10	16.54917	494915.95	3646063.10	17.51384
494926.95	3646063.10	16.19273	494937.95	3646063.10	14.97450
494915.95	3646083.10	15.43386	494926.95	3646083.10	14.38131
494937.95	3646083.10	13.40935	494915.95	3646103.10	13.72226
494926.95	3646103.10	12.85977	494937.95		

```
3646103.10       12.06203
         494904.95    3646123.10       12.56476                       494915.95
3646123.10       12.12364
         494926.95    3646123.10       11.45273                       494937.95
3646123.10       10.82598
         494948.95    3646123.10       10.31822                       494904.95
3646143.10       11.06958
         494915.95    3646143.10       10.77488                       494926.95
3646143.10       10.22141
         494937.95    3646143.10        9.72099                       494948.95
3646143.10        9.29841
         494904.95    3646163.10        9.60101                       494915.95
3646163.10        9.40007
         494926.95    3646163.10        9.06891                       494937.95
3646163.10        8.71858
         494948.95    3646163.10        8.34153                       494882.95
3646183.10        8.19081
         494893.95    3646183.10        8.77514                       494904.95
3646183.10        8.50900
         494915.95    3646183.10        8.24188                       494926.95
3646183.10        7.97239
         494937.95    3646183.10        7.70539                       494948.95
3646183.10        7.42957
         494838.95    3646203.10        7.10313                       494849.95
3646203.10        7.03754
         494860.95    3646203.10        7.04399                       494871.95
3646203.10        7.21223
         494882.95    3646203.10        7.35297                       494893.95
3646203.10        7.53482
         494904.95    3646203.10        7.38219                       494915.95
3646203.10        7.20742
         494926.95    3646203.10        7.03544                       494937.95
3646203.10        6.84400
         494948.95    3646203.10        6.64995                       494838.95
3646223.10        6.47528
         494849.95    3646223.10        6.42600                       494860.95
3646223.10        6.38220
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***       08:54:48

                                    PAGE 236
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0000222    , L0000223
, L0000224    , L0000225    , L0000226    ,
                 L0000227    , L0000228    , L0000229    , L0000230    , L0000231
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, L0000232    , L0000233    , L0000234    ,
                L0000235    , L0000236    , L0000237    , L0000238    , L0000239
, L0000240    , L0000241    , L0000242    ,
                L0000243    , L0000244    , L0000245    , L0000246    , L0000247
, L0000248    , L0000249    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF SO2      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         494871.95    3646223.10        6.36263                       494882.95
3646223.10        6.32893
         494893.95    3646223.10        6.29645                       494904.95
3646223.10        6.34822
         494915.95    3646223.10        6.26524                       494926.95
3646223.10        6.16122
         494937.95    3646223.10        6.03562                       494838.95
3646243.10        5.53081
         494849.95    3646243.10        5.53896                       494860.95
3646243.10        5.54068
         494871.95    3646243.10        5.60739                       494882.95
3646243.10        5.58787
         494893.95    3646243.10        5.58220                       494904.95
3646243.10        5.57136
         494915.95    3646243.10        5.52229                       494926.95
3646243.10        5.43037
         494937.95    3646243.10        5.33343                       494871.95
3646263.10        4.89418
         494882.95    3646263.10        4.91702                       494893.95
3646263.10        4.91887
         494904.95    3646263.10        4.90642                       494915.95
3646263.10        4.85488
         494926.95    3646263.10        4.79496                       494937.95
3646263.10        4.73818
         494871.95    3646283.10        4.28362                       494882.95
3646283.10        4.27557
         494893.95    3646283.10        4.25794                       494904.95
3646283.10        4.22877
         494915.95    3646283.10        4.20684                       494926.95
3646283.10        4.17594
         494937.95    3646283.10        4.14519                       494871.95
3646303.10        3.74733
         494882.95    3646303.10        3.76346                       494893.95
3646303.10        3.76821
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         494904.95    3646303.10        3.76365                        494915.95
3646303.10        3.75417
         494926.95    3646303.10        3.73068                        494937.95
3646303.10        3.71115
         494642.56    3645779.46       44.35064                        494675.22
3645780.65       41.53393
         494711.44    3645793.12       56.51686                        494728.06
3645794.30       55.99438
         494745.28    3645796.68       54.87678                        494750.03
3645848.93      119.35973
         494768.44    3645800.84       51.48258                        494784.47
3645801.43       47.06665
         494802.29    3645804.40       43.83110                        494820.69
3645804.40       39.43538
         494839.69    3645805.59       35.77696                        494854.54
3645810.93       34.17615
         494874.73    3645811.52       30.51776                        494893.73
3645811.52       27.41048
         494905.60    3645818.06       26.41949                        494939.45
3645822.81       22.21232
         494583.77    3646040.72       22.60026                        494571.31
3645977.19       31.57884
         494584.37    3645919.00       51.22676                        494571.31
3645863.18       41.05877
         494527.37    3645916.03       23.68999                        494528.55
3645980.16       18.66438
         494478.68    3645920.19       14.70016                        494486.39
3645854.87       17.32042
         494426.42    3645862.00       11.25982                        494391.98
3645860.81        9.14654
         494388.42    3645830.52        9.18686                        494431.77
3645837.06       11.79196
         494421.08    3645804.40       10.82034                        494396.14
3645799.05        9.44085
         494502.43    3645745.61       13.97643                        494476.30
3645746.21       11.96589
         494439.49    3645753.33       10.21015                        494425.83
3645708.80        7.91271
         494397.33    3645721.27        7.59931                        494355.17
3645714.74        6.50477
         494319.54    3645705.24        5.72713                        494308.26
3645745.02        6.04061
         494286.29    3645699.89        5.13100                        494321.32
3645668.42        5.15913
         494870.07    3646306.80        3.64450                        494869.11
3646263.30        4.89258
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***       08:54:48
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
494832.37	3646261.36	4.90056	494832.37	3646205.28	7.08393
494897.15	3646174.34	9.26918	494907.78	3646091.19	15.45365
494909.72	3646042.85	20.71507	494805.29	3646044.78	73.78765
494795.63	3646015.78	112.33189	494769.52	3645991.61	178.87537
494771.45	3645836.91	79.73944	494934.85	3645858.18	24.74256
494949.36	3646128.90	9.98281	494948.39	3646310.67	3.52800
494189.94	3645549.05	2.83758	494232.45	3645539.60	2.88053
494454.45	3645605.73	4.25156	494558.36	3645684.45	8.04357
494933.07	3645726.96	14.41710	494937.79	3645558.50	5.03397
494581.98	3645515.99	2.69429	494610.31	3645375.86	1.26576
494378.87	3645353.81	1.36244	494114.81	3645356.38	1.60119
494983.42	3646395.74	2.19135	494978.70	3645778.55	15.85268
495021.21	3645788.00	13.63293	495221.17		

3645838.38   6.24575
         495337.68   3645854.13   4.11694   495345.55
3646340.63   1.68627
         495046.40   3646342.21   2.65972   495044.83
3646397.31   2.07574

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION   VALUES AVERAGED
OVER   3 YEARS FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                  L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                  L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                  L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF SO2   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         494162.58   3645390.61   1579.15929   494226.58
3645390.61   1571.28719
         494290.58   3645390.61   1336.33453   494354.58
3645390.61   1418.18064
         494418.58   3645390.61   1160.71522   494482.58
3645390.61   1067.86039
         494546.58   3645390.61   1464.36410   494162.58
3645445.09   1499.61231
         494226.58   3645445.09   1749.17037   494290.58
3645445.09   1640.76874
         494354.58   3645445.09   1451.21544   494418.58
3645445.09   1440.24028
         494482.58   3645445.09   1265.66631   494546.58
3645445.09   1334.18193
         494226.58   3645499.57   1720.06793   494290.58
3645499.57   2033.50722

494354.58 3645499.57 1771.86075 494418.58 3645499.57 1719.48677
494482.58 3645499.57 1523.59230 494546.58 3645499.57 1575.39467
494290.58 3645554.05 2084.99192 494354.58 3645554.05 2363.19615
494418.58 3645554.05 2013.92556 494482.58 3645554.05 1947.91579
494546.58 3645554.05 1897.51335 494610.58 3645554.05 1848.13681
494674.58 3645554.05 1475.12328 494738.58 3645554.05 1406.25852
494802.58 3645554.05 997.63898 494866.58 3645554.05 1226.51172
494482.58 3645608.53 2362.01952 494546.58 3645608.53 2230.24726
494610.58 3645608.53 2252.87612 494674.58 3645608.53 1790.03625
494738.58 3645608.53 1585.80398 494802.58 3645608.53 1270.44098
494866.58 3645608.53 1494.64903 494930.58 3645608.53 1389.54627
494546.58 3645663.01 2824.94829 494610.58 3645663.01 2905.44490
494674.58 3645663.01 2332.22970 494738.58 3645663.01 1905.01187
494802.58 3645663.01 1762.28097 494866.58 3645663.01 1763.49762
494930.58 3645663.01 1622.61267 494866.58 3645717.49 2145.41036
494930.58 3645717.49 1808.97312 494994.58 3645826.45 2040.31914
495058.58 3645826.45 1750.96473 495122.58 3645826.45 1486.94026
494802.58 3645880.93 4446.00097 494866.58 3645880.93 3223.66906
494930.58 3645880.93 2482.37078 494994.58 3645880.93 1966.68052
495058.58 3645880.93 1580.83013 495122.58 3645880.93 1373.37858
495186.58 3645880.93 1212.87801 495250.58 3645880.93 1085.60651
495314.58 3645880.93 975.23853 494802.58 3645935.41 4624.13505
494866.58 3645935.41 3119.41306 494930.58 3645935.41 2297.60900
494994.58 3645935.41 1847.21400 495058.58 3645935.41 1542.90278
495122.58 3645935.41 1317.11333 495186.58 3645935.41 1137.78247

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         495250.58    3645935.41      998.71302                       495314.58
3645935.41      882.93731
         494802.58    3645989.89     4403.27240                       494866.58
3645989.89     2854.82266
         494930.58    3645989.89     2171.41854                       494994.58
3645989.89     1679.30815
         495058.58    3645989.89     1340.07142                       495122.58
3645989.89     1102.22990
         495186.58    3645989.89      930.60530                       495250.58
3645989.89      796.95291
         495314.58    3645989.89      690.71284                       494930.58
3646044.37     2147.10748
         494994.58    3646044.37     1692.34617                       495058.58
3646044.37     1449.86724
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***       06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***       08:54:48

                                  PAGE 239
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED
OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000222    , L0000223
, L0000224    , L0000225    , L0000226    ,
                  L0000227    , L0000228    , L0000229    , L0000230    , L0000231
, L0000232    , L0000233    , L0000234    ,
                  L0000235    , L0000236    , L0000237    , L0000238    , L0000239
, L0000240    , L0000241    , L0000242    ,
                  L0000243    , L0000244    , L0000245    , L0000246    , L0000247
, L0000248    , L0000249    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF SO2      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         495122.58    3646044.37     1223.11301                       495186.58
3646044.37     1012.35968
         495250.58    3646044.37      841.21223                       495314.58
3646044.37      698.87450
         494930.58    3646098.85     2198.59326                       494994.58
3646098.85     1711.38257
         495058.58    3646098.85     1398.90810                       495122.58
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3646098.85     1189.96078
         495186.58    3646098.85     1053.80559                    495250.58
3646098.85      932.31657
         495314.58    3646098.85      813.73809                    494930.58
3646153.33     1882.45984
         494994.58    3646153.33     1767.74656                    495058.58
3646153.33     1308.36154
         495122.58    3646153.33     1074.92908                    495186.58
3646153.33      971.76026
         495250.58    3646153.33      877.03464                    495314.58
3646153.33      806.21876
         494866.58    3646207.81     1311.37578                    494930.58
3646207.81     1333.05377
         494994.58    3646207.81     1433.21163                    495058.58
3646207.81     1443.25804
         495122.58    3646207.81     1271.14535                    495186.58
3646207.81      980.01081
         495250.58    3646207.81      784.95301                    495314.58
3646207.81      716.97968
         494866.58    3646262.29     1076.85567                    494930.58
3646262.29      941.06979
         494994.58    3646262.29     1084.57391                    495058.58
3646262.29     1163.43601
         495122.58    3646262.29     1205.43938                    495186.58
3646262.29     1107.21566
         495250.58    3646262.29      889.46744                    495314.58
3646262.29      665.30421
         494994.58    3646316.77      807.89491                    495058.58
3646316.77      894.49954
         495122.58    3646316.77      957.91607                    495186.58
3646316.77     1016.39616
         495250.58    3646316.77      963.78336                    495314.58
3646316.77      800.07773
         494994.58    3646371.25      709.07488                    494772.95
3645843.10     4360.25180
         494783.95    3645843.10     4172.10224                    494794.95
3645843.10     3968.36636
         494805.95    3645843.10     3746.29849                    494816.95
3645843.10     3553.37443
         494772.95    3645863.10     4914.05223                    494783.95
3645863.10     4609.67718
         494794.95    3645863.10     4349.91712                    494805.95
3645863.10     4108.96681
         494816.95    3645863.10     3897.91298                    494827.95
3645863.10     3720.26536
         494838.95    3645863.10     3545.81263                    494849.95
3645863.10     3384.72799
         494860.95    3645863.10     3235.55386                    494871.95
3645863.10     3096.59702
         494882.95    3645863.10     2968.17920                    494893.95
```

3645863.10   2847.27142
         494904.95   3645863.10   2733.41785   494915.95
3645863.10   2627.29075
         494926.95   3645863.10   2526.30455   494772.95
3645883.10   5508.72828
         494783.95   3645883.10   5054.24922   494794.95
3645883.10   4689.91733
         494805.95   3645883.10   4373.25552   494816.95
3645883.10   4107.08935
         494827.95   3645883.10   3880.12343   494838.95
3645883.10   3670.65931
         494849.95   3645883.10   3481.41971   494860.95
3645883.10   3309.18967
         494871.95   3645883.10   3151.25968   494882.95
3645883.10   3005.66164
         494893.95   3645883.10   2870.43388   494904.95
3645883.10   2742.00063
         494915.95   3645883.10   2624.63012   494926.95
3645883.10   2513.62643
         494772.95   3645903.10   5782.52030   494783.95
3645903.10   5258.35517
         494794.95   3645903.10   4840.83219   494805.95
3645903.10   4493.56088

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION   VALUES AVERAGED
OVER   3 YEARS FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                  L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                  L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                  L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF SO2   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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```
         494827.95    3645963.10     3728.97149                      494838.95
3645963.10     3466.35806
         494849.95    3645963.10     3233.67901                      494860.95
3645963.10     3025.62661
         494871.95    3645963.10     2835.77216                      494882.95
3645963.10     2687.89217
         494893.95    3645963.10     2563.52606                      494904.95
3645963.10     2447.19533
         494915.95    3645963.10     2337.31983                      494926.95
3645963.10     2237.16578
         494937.95    3645963.10     2145.74760                      494772.95
3645983.10     5959.20534
         494783.95    3645983.10     5235.49883                      494794.95
3645983.10     4708.54333
         494805.95    3645983.10     4264.68453                      494816.95
3645983.10     3869.47667
         494827.95    3645983.10     3555.43194                      494838.95
3645983.10     3326.54315
         494849.95    3645983.10     3115.83165                      494860.95
3645983.10     2939.55153
         494871.95    3645983.10     2792.34305                      494882.95
3645983.10     2651.37400
         494893.95    3645983.10     2521.76568                      494904.95
3645983.10     2399.05106
         494915.95    3645983.10     2298.64786                      494926.95
3645983.10     2198.29917
         494937.95    3645983.10     2103.58510                      494783.95
3646003.10     5142.00271
         494794.95    3646003.10     4647.16048                      494805.95
3646003.10     4239.69992
         494816.95    3646003.10     3854.71812                      494827.95
3646003.10     3529.33024
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                       ***        08:54:48

                                  PAGE 241
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED
OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000222    , L0000223
, L0000224    , L0000225    , L0000226    ,
                 L0000227    , L0000228    , L0000229    , L0000230    , L0000231
, L0000232    , L0000233    , L0000234    ,
                 L0000235    , L0000236    , L0000237    , L0000238    , L0000239
, L0000240    , L0000241    , L0000242    ,
                 L0000243    , L0000244    , L0000245    , L0000246    , L0000247
, L0000248    , L0000249    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
494838.95	3646003.10	3251.28428	494849.95	3646003.10	3065.75345
494860.95	3646003.10	2899.84424	494871.95	3646003.10	2742.45626
494882.95	3646003.10	2610.75808	494893.95	3646003.10	2490.16026
494904.95	3646003.10	2381.05676	494915.95	3646003.10	2286.99174
494926.95	3646003.10	2195.68440	494937.95	3646003.10	2108.34268
494805.95	3646023.10	3966.05284	494816.95	3646023.10	3691.37396
494827.95	3646023.10	3450.12694	494838.95	3646023.10	3228.97276
494849.95	3646023.10	3019.86434	494860.95	3646023.10	2823.28317
494871.95	3646023.10	2719.15893	494882.95	3646023.10	2598.09692
494893.95	3646023.10	2472.82024	494904.95	3646023.10	2357.77095
494915.95	3646023.10	2248.52289	494926.95	3646023.10	2160.95991
494937.95	3646023.10	2082.13432	494805.95	3646043.10	3952.98497
494816.95	3646043.10	3644.40782	494827.95	3646043.10	3467.92053
494838.95	3646043.10	3280.37912	494849.95	3646043.10	3116.96101
494860.95	3646043.10	2924.85483	494871.95	3646043.10	2735.54217
494882.95	3646043.10	2569.59074	494893.95	3646043.10	2466.63219
494915.95	3646043.10	2269.51969	494926.95	3646043.10	2177.33267
494937.95	3646043.10	2088.40527	494915.95	3646063.10	2226.38678
494926.95	3646063.10	2147.85898	494937.95	3646063.10	2068.61614
494915.95	3646083.10	2299.23342	494926.95		

3646083.10   2174.86618
         494937.95   3646083.10   2070.41959   494915.95
3646103.10   2289.13762
         494926.95   3646103.10   2214.99183   494937.95
3646103.10   2145.79575
         494904.95   3646123.10   2181.53071   494915.95
3646123.10   2162.66333
         494926.95   3646123.10   2133.63877   494937.95
3646123.10   2101.31164
         494948.95   3646123.10   2026.10705   494904.95
3646143.10   1988.07335
         494915.95   3646143.10   1994.00107   494926.95
3646143.10   1972.43585
         494937.95   3646143.10   1944.42641   494948.95
3646143.10   1924.61713
         494904.95   3646163.10   1722.73463   494915.95
3646163.10   1790.85844
         494926.95   3646163.10   1793.86398   494937.95
3646163.10   1794.52675
         494948.95   3646163.10   1780.28424   494882.95
3646183.10   1374.31938
         494893.95   3646183.10   1459.32264   494904.95
3646183.10   1488.69128
         494915.95   3646183.10   1538.97390   494926.95
3646183.10   1581.13245
         494937.95   3646183.10   1610.82705   494948.95
3646183.10   1626.42320
         494838.95   3646203.10   1330.57746   494849.95
3646203.10   1319.08194
         494860.95   3646203.10   1305.82652   494871.95
3646203.10   1292.63737
         494882.95   3646203.10   1290.28431   494893.95
3646203.10   1285.39385
         494904.95   3646203.10   1313.60610   494915.95
3646203.10   1341.88536
         494926.95   3646203.10   1365.55182   494937.95
3646203.10   1388.26268
         494948.95   3646203.10   1428.80906   494838.95
3646223.10   1279.93689
         494849.95   3646223.10   1286.31129   494860.95
3646223.10   1276.02049

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION   VALUES AVERAGED

OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000222 , L0000223
, L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231
, L0000232 , L0000233 , L0000234 ,
L0000235 , L0000236 , L0000237 , L0000238 , L0000239
, L0000240 , L0000241 , L0000242 ,
L0000243 , L0000244 , L0000245 , L0000246 , L0000247
, L0000248 , L0000249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF SO2 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
494871.95	3646223.10	1248.50374	494882.95	3646223.10	1210.26500
494893.95	3646223.10	1157.14711	494904.95	3646223.10	1159.77402
494915.95	3646223.10	1186.57917	494926.95	3646223.10	1206.65716
494937.95	3646223.10	1232.77168	494838.95	3646243.10	1179.35989
494849.95	3646243.10	1178.05658	494860.95	3646243.10	1177.78153
494871.95	3646243.10	1158.62200	494882.95	3646243.10	1137.68205
494893.95	3646243.10	1089.19939	494904.95	3646243.10	1037.43192
494915.95	3646243.10	1024.86580	494926.95	3646243.10	1061.32698
494937.95	3646243.10	1091.15247	494871.95	3646263.10	1070.66846
494882.95	3646263.10	1051.78601	494893.95	3646263.10	1026.09379
494904.95	3646263.10	992.51745	494915.95	3646263.10	964.90651
494926.95	3646263.10	931.88931	494937.95	3646263.10	953.68363
494871.95	3646283.10	1003.03056	494882.95	3646283.10	994.25805
494893.95	3646283.10	992.10787	494904.95	3646283.10	982.08505
494915.95	3646283.10	961.28946	494926.95	3646283.10	935.39796

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         494937.95    3646283.10      902.49961                    494871.95
3646303.10      938.58111
         494882.95    3646303.10      928.61799                    494893.95
3646303.10      927.38841
         494904.95    3646303.10      923.01933                    494915.95
3646303.10      912.19655
         494926.95    3646303.10      897.59998                    494937.95
3646303.10      875.55985
         494642.56    3645779.46     5375.33637                    494675.22
3645780.65     5106.74678
         494711.44    3645793.12     4403.19183                    494728.06
3645794.30     4119.38347
         494745.28    3645796.68     3722.86818                    494750.03
3645848.93     5093.89335
         494768.44    3645800.84     3481.70006                    494784.47
3645801.43     3415.96960
         494802.29    3645804.40     3317.00212                    494820.69
3645804.40     3107.00687
         494839.69    3645805.59     2870.52940                    494854.54
3645810.93     2743.20883
         494874.73    3645811.52     2612.96682                    494893.73
3645811.52     2515.06971
         494905.60    3645818.06     2505.14026                    494939.45
3645822.81     2318.38380
         494583.77    3646040.72     3972.66506                    494571.31
3645977.19     5750.87349
         494584.37    3645919.00     7026.78723                    494571.31
3645863.18     6571.52850
         494527.37    3645916.03     5807.27140                    494528.55
3645980.16     4806.72655
         494478.68    3645920.19     5047.24687                    494486.39
3645854.87     5266.08312
         494426.42    3645862.00     4465.20132                    494391.98
3645860.81     4189.95326
         494388.42    3645830.52     4090.87267                    494431.77
3645837.06     4500.74827
         494421.08    3645804.40     4326.53213                    494396.14
3645799.05     4062.48205
         494502.43    3645745.61     4478.26306                    494476.30
3645746.21     4076.36650
         494439.49    3645753.33     3687.20738                    494425.83
3645708.80     3269.01446
         494397.33    3645721.27     3112.48271                    494355.17
3645714.74     3042.27264
         494319.54    3645705.24     2948.84218                    494308.26
3645745.02     3254.55394
         494286.29    3645699.89     2845.28882                    494321.32
3645668.42     2624.37766
         494870.07    3646306.80      925.55958                    494869.11
3646263.30     1069.10139
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION   VALUES AVERAGED
OVER   3 YEARS FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000222   , L0000223
, L0000224   , L0000225   , L0000226   ,
                  L0000227   , L0000228   , L0000229   , L0000230   , L0000231
, L0000232   , L0000233   , L0000234   ,
                  L0000235   , L0000236   , L0000237   , L0000238   , L0000239
, L0000240   , L0000241   , L0000242   ,
                  L0000243   , L0000244   , L0000245   , L0000246   , L0000247
, L0000248   , L0000249   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF SO2   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         494832.37   3646261.36   1141.14442   494832.37
3646205.28   1347.83358
         494897.15   3646174.34   1574.50503   494907.78
3646091.19   2406.63849
         494909.72   3646042.85   2321.70858   494805.29
3646044.78   3971.62024
         494795.63   3646015.78   4466.79153   494769.52
3645991.61   6166.99631
         494771.45   3645836.91   4257.66946   494934.85
3645858.18   2454.41354
         494949.36   3646128.90   2012.65318   494948.39
3646310.67   841.99584
         494189.94   3645549.05   1772.08276   494232.45
3645539.60   1686.70826
         494454.45   3645605.73   2421.42639   494558.36
3645684.45   3148.82371
         494933.07   3645726.96   1800.88673   494937.79
3645558.50   1242.83161
         494581.98   3645515.99   1705.89623   494610.31
3645375.86   1334.67674
         494378.87   3645353.81   1189.41626   494114.81

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF SO2   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	178.87537	AT (494769.52, 3645991.61, 141.02, 166.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	170.83496	AT (494772.95, 3645963.10, 139.78, 166.74, 0.00)	DC	
	3RD HIGHEST VALUE IS	170.69755	AT (494772.95, 3645943.10, 139.63, 166.74, 0.00)	DC	
	4TH HIGHEST VALUE IS	167.51766	AT (494772.95, 3645983.10, 140.54, 166.74, 0.00)	DC	
	5TH HIGHEST VALUE IS	166.97061	AT (494772.95, 3645923.10, 139.46, 166.74, 0.00)	DC	
	6TH HIGHEST VALUE IS	159.02496	AT (494772.95, 3645903.10, 139.30, 242.20, 0.00)	DC	
	7TH HIGHEST VALUE IS	143.17616	AT (494772.95, 3645883.10, 140.06, 242.64, 0.00)	DC	
	8TH HIGHEST VALUE IS	136.92475	AT (494783.95, 3645943.10, 139.88, 166.74, 0.00)	DC	
	9TH HIGHEST VALUE IS	136.62623	AT (494783.95, 3645963.10, 140.07, 166.74, 0.00)	DC	
	10TH HIGHEST VALUE IS	133.89442	AT (494783.95, 3645923.10, 139.61,		

                     *** THE SUMMARY OF MAXIMUM   1ST-HIGHEST MAX DAILY 1-HR
RESULTS AVERAGED OVER   3 YEARS ***

                                    ** CONC OF SO2   IN MICROGRAMS/M**3
             **

                       NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- - - - - - - - - - - - - - - - - - -

ALL   1ST HIGHEST VALUE IS   7026.78723 AT (494584.37, 3645919.00,   140.10,
  140.10,   0.00) DC
          2ND HIGHEST VALUE IS   6571.52850 AT (494571.31, 3645863.18,   139.03,
  218.82,   0.00) DC
          3RD HIGHEST VALUE IS   6166.99631 AT (494769.52, 3645991.61,   141.02,
  166.74,   0.00) DC
          4TH HIGHEST VALUE IS   6023.45519 AT (494772.95, 3645943.10,   139.63,
  166.74,   0.00) DC
          5TH HIGHEST VALUE IS   6021.15543 AT (494772.95, 3645963.10,   139.78,
  166.74,   0.00) DC
          6TH HIGHEST VALUE IS   5959.20534 AT (494772.95, 3645983.10,   140.54,
  166.74,   0.00) DC
          7TH HIGHEST VALUE IS   5901.83464 AT (494772.95, 3645923.10,   139.46,
  166.74,   0.00) DC
          8TH HIGHEST VALUE IS   5807.27140 AT (494527.37, 3645916.03,   140.08,
  281.22,   0.00) DC
          9TH HIGHEST VALUE IS   5782.52030 AT (494772.95, 3645903.10,   139.30,
  242.20,   0.00) DC
         10TH HIGHEST VALUE IS   5750.87349 AT (494571.31, 3645977.19,   141.18,
  141.18,   0.00) DC

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   879 Informational Message(s)

A Total of   26304 Hours Were Processed

A Total of   788 Calm Hours Identified

A Total of   91 Missing Hours Identified (0.35 Percent)

   ******** FATAL ERROR MESSAGES ********
             *** NONE ***

   ********   WARNING MESSAGES   ********
 CO W361   25   COCARD: Multiyear PERIOD/ANNUAL values for NO2/SO2 require
MULTYEAR Opt
 MX W403   3141   PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

   ****
   *** AERMOD Finishes Successfully ***
   ****

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                              ***   MODEL SETUP OPTIONS SUMMARY
 ***
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```
                and:    215 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   132.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Oak Knoll.err

 **File for Summary of Results:   Oak Knoll.sum

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***        06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\Met\KVR_2014_2016_sigma_19191.SFC
Met Version: 19191
Profile file: ..\Met\KVR_2014_2016_sigma_19191.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 93107 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2014 Year: 2014

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
14	01	01	1	01	-2.3	0.051	-9.000	-9.000	-999.	28.	5.3	0.20	1.17	1.00	1.00	38.	10.0	282.9	10.0
14	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.17	1.00	0.00	0.	10.0	281.5	10.0
14	01	01	1	03	-3.9	0.067	-9.000	-9.000	-999.	41.	6.8	0.20	1.17	1.00	1.30	41.	10.0	281.5	10.0
14	01	01	1	04	-8.3	0.098	-9.000	-9.000	-999.	73.	10.0	0.20	1.17	1.00	1.90	52.	10.0	282.1	10.0
14	01	01	1	05	-6.8	0.087	-9.000	-9.000	-999.	62.	8.6	0.16	1.17	1.00	1.80	63.	10.0	281.2	10.0
14	01	01	1	06	-1.1	0.036	-9.000	-9.000	-999.	17.	3.7	0.20	1.17	1.00	0.70	52.	10.0	281.2	10.0
14	01	01	1	07	-6.7	0.087	-9.000	-9.000	-999.	62.	8.9	0.20	1.17	1.00	1.70	56.	10.0	281.6	10.0
14	01	01	1	08	-5.4	0.087	-9.000	-9.000	-999.	62.	10.9	0.20	1.17	0.50	1.70	40.	10.0	282.4	10.0
14	01	01	1	09	44.4	0.102	0.470	0.019	84.	78.	-2.1	0.25	1.17	0.30	0.50	129.	10.0	286.4	10.0
14	01	01	1	10	107.4	0.190	0.845	0.014	201.	199.	-5.7	0.28	1.17	0.23	1.10	302.	10.0	289.4	10.0
14	01	01	1	11	148.7	0.374	1.070	0.008	294.	550.	-31.5	0.28	1.17	0.21	2.80	302.	10.0	291.4	10.0
14	01	01	1	12	167.7	0.308	1.233	0.008	398.	412.	-15.5	0.19	1.17	0.20	2.40	343.	10.0	292.2	10.0
14	01	01	1	13	164.2	0.298	1.349	0.007	533.	391.	-14.4	0.19	1.17	0.20	2.30	338.	10.0	293.9	10.0
14	01	01	1	14	139.3	0.375	1.394	0.009	693.	552.	-33.8	0.19	1.17	0.21	3.20	334.	10.0	294.9	10.0
14	01	01	1	15	91.1	0.421	1.254	0.009	772.	654.	-72.7	0.28	1.17	0.24	3.40	319.	10.0	294.2	10.0
14	01	01	1	16	27.2	0.345	0.846	0.009	792.	491.	-134.8	0.28	1.17	0.33	2.90	319.	10.0	293.4	10.0
14	01	01	1	17	-10.8	0.117	-9.000	-9.000	-999.	167.	13.3	0.28	1.17	0.61	2.10	312.	10.0	291.4	10.0
14	01	01	1	18	-4.4	0.076	-9.000	-9.000	-999.	54.	8.7	0.42	1.17	1.00	1.20	277.	10.0	288.9	10.0
14	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.17	1.00	0.00	0.	10.0	287.6	10.0
14	01	01	1	20	-2.2	0.050	-9.000	-9.000	-999.	27.	5.1	0.19	1.17

```
1.00    1.00  357.   10.0  286.5   10.0
 14 01 01   1 21   -1.5  0.044 -9.000 -9.000 -999.   22.      5.0  0.42   1.17
1.00    0.70  291.   10.0  285.0   10.0
 14 01 01   1 22   -8.2  0.097 -9.000 -9.000 -999.   73.      9.9  0.20   1.17
1.00    1.90    8.   10.0  283.6   10.0
 14 01 01   1 23   -1.4  0.040 -9.000 -9.000 -999.   20.      4.1  0.19   1.17
1.00    0.80  357.   10.0  282.4   10.0
 14 01 01   1 24   -3.8  0.065 -9.000 -9.000 -999.   40.      6.5  0.19   1.17
1.00    1.30  354.   10.0  282.2   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 14 01 01 01   10.0 1   38.    1.00   282.9   30.0  -99.00    0.46

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***       06/16/22
 *** AERMET - VERSION  19191 ***   ***
                         ***       08:54:48

                                   PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 26304
HRS) RESULTS ***


                                    ** CONC OF SO2      IN MICROGRAMS/M**3
              **


                       NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     178.87537 AT (  494769.52,  3645991.61,   141.02,
  166.74,    0.00)  DC
          2ND HIGHEST VALUE IS     170.83496 AT (  494772.95,  3645963.10,   139.78,
  166.74,    0.00)  DC
          3RD HIGHEST VALUE IS     170.69755 AT (  494772.95,  3645943.10,   139.63,
  166.74,    0.00)  DC
          4TH HIGHEST VALUE IS     167.51766 AT (  494772.95,  3645983.10,   140.54,
  166.74,    0.00)  DC
          5TH HIGHEST VALUE IS     166.97061 AT (  494772.95,  3645923.10,   139.46,
  166.74,    0.00)  DC
          6TH HIGHEST VALUE IS     159.02496 AT (  494772.95,  3645903.10,   139.30,
  242.20,    0.00)  DC
```

```
         7TH HIGHEST VALUE IS     143.17616 AT (  494772.95,  3645883.10,   140.06,
  242.64,    0.00)  DC
         8TH HIGHEST VALUE IS     136.92475 AT (  494783.95,  3645943.10,   139.88,
  166.74,    0.00)  DC
         9TH HIGHEST VALUE IS     136.62623 AT (  494783.95,  3645963.10,   140.07,
  166.74,    0.00)  DC
        10TH HIGHEST VALUE IS     133.89442 AT (  494783.95,  3645923.10,   139.61,
  166.74,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\Oak Knoll\Oak Knoll\Oak Knoll.isc
                          ***       06/16/22
 *** AERMET - VERSION  19191 ***   ***
                          ***       08:54:48

                                    PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                     *** THE SUMMARY OF MAXIMUM   1ST-HIGHEST MAX DAILY  1-HR
RESULTS AVERAGED OVER   3 YEARS ***


                                    ** CONC OF SO2      IN MICROGRAMS/M**3
             **


                       NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL      1ST HIGHEST VALUE IS    7026.78723 AT (  494584.37,  3645919.00,   140.10,
  140.10,    0.00)  DC
         2ND HIGHEST VALUE IS    6571.52850 AT (  494571.31,  3645863.18,   139.03,
  218.82,    0.00)  DC
         3RD HIGHEST VALUE IS    6166.99631 AT (  494769.52,  3645991.61,   141.02,
  166.74,    0.00)  DC
         4TH HIGHEST VALUE IS    6023.45519 AT (  494772.95,  3645943.10,   139.63,
  166.74,    0.00)  DC
         5TH HIGHEST VALUE IS    6021.15543 AT (  494772.95,  3645963.10,   139.78,
  166.74,    0.00)  DC
         6TH HIGHEST VALUE IS    5959.20534 AT (  494772.95,  3645983.10,   140.54,
  166.74,    0.00)  DC
         7TH HIGHEST VALUE IS    5901.83464 AT (  494772.95,  3645923.10,   139.46,
  166.74,    0.00)  DC
```

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 879 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 788 Calm Hours Identified

A Total of 91 Missing Hours Identified (0.35 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

CO W361 25 COCARD: Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt

MX W403 3141 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

HARP2 - HRACalc (dated 22118) 6/20/2022 6:21:46 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.417

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.4170001
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\ResNCAcuteRiskSumByRec.csv
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_R	EGG_RISK
1	ALL		494162.6	3645391	1.32E-06	2.417YrCar	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		494226.6	3645391	1.31E-06	2.417YrCar	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		494290.6	3645391	1.26E-06	2.417YrCar	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		494354.6	3645391	1.19E-06	2.417YrCar	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		494418.6	3645391	1.13E-06	2.417YrCar	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		494482.6	3645391	1.11E-06	2.417YrCar	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		494546.6	3645391	1.07E-06	2.417YrCar	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		494162.6	3645445	1.52E-06	2.417YrCar	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		494226.6	3645445	1.54E-06	2.417YrCar	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		494290.6	3645445	1.52E-06	2.417YrCar	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		494354.6	3645445	1.45E-06	2.417YrCar	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		494418.6	3645445	1.40E-06	2.417YrCar	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		494482.6	3645445	1.38E-06	2.417YrCar	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		494546.6	3645445	1.42E-06	2.417YrCar	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		494226.6	3645500	1.84E-06	2.417YrCar	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		494290.6	3645500	1.89E-06	2.417YrCar	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		494354.6	3645500	1.85E-06	2.417YrCar	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		494418.6	3645500	1.77E-06	2.417YrCar	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		494482.6	3645500	1.73E-06	2.417YrCar	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		494546.6	3645500	1.79E-06	2.417YrCar	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		494290.6	3645554	2.37E-06	2.417YrCar	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		494354.6	3645554	2.40E-06	2.417YrCar	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		494418.6	3645554	2.37E-06	2.417YrCar	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		494482.6	3645554	2.28E-06	2.417YrCar	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		494546.6	3645554	2.30E-06	2.417YrCar	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		494610.6	3645554	2.49E-06	2.417YrCar	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		494674.6	3645554	2.76E-06	2.417YrCar	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		494738.6	3645554	2.97E-06	2.417YrCar	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		494802.6	3645554	3.18E-06	2.417YrCar	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		494866.6	3645554	3.45E-06	2.417YrCar	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		494482.6	3645609	3.14E-06	2.417YrCar	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		494546.6	3645609	3.12E-06	2.417YrCar	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		494610.6	3645609	3.40E-06	2.417YrCar	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		494674.6	3645609	3.87E-06	2.417YrCar	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		494738.6	3645609	4.28E-06	2.417YrCar	4.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		494802.6	3645609	4.65E-06	2.417YrCar	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		494866.6	3645609	4.96E-06	2.417YrCar	4.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		494930.6	3645609	5.06E-06	2.417YrCar	5.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		494546.6	3645663	4.79E-06	2.417YrCar	4.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		494610.6	3645663	5.24E-06	2.417YrCar	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		494674.6	3645663	6.12E-06	2.417YrCar	6.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		494738.6	3645663	6.76E-06	2.417YrCar	6.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		494802.6	3645663	7.26E-06	2.417YrCar	7.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		494866.6	3645663	7.44E-06	2.417YrCar	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		494930.6	3645663	7.16E-06	2.417YrCar	7.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		494866.6	3645717	1.16E-05	2.417YrCar	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		494930.6	3645717	1.02E-05	2.417YrCar	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		494994.6	3645826	1.24E-05	2.417YrCar	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

49	ALL	495058.6	3645826	9.11E-06	2.417YrCar	9.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	495122.6	3645826	6.88E-06	2.417YrCar	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	494802.6	3645881	6.41E-05	2.417YrCar	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	494866.6	3645881	3.22E-05	2.417YrCar	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	494930.6	3645881	1.95E-05	2.417YrCar	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	494994.6	3645881	1.28E-05	2.417YrCar	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	495058.6	3645881	9.00E-06	2.417YrCar	9.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	495122.6	3645881	6.60E-06	2.417YrCar	6.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	495186.6	3645881	5.01E-06	2.417YrCar	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	495250.6	3645881	3.93E-06	2.417YrCar	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	495314.6	3645881	3.15E-06	2.417YrCar	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	494802.6	3645935	7.43E-05	2.417YrCar	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	494866.6	3645935	3.39E-05	2.417YrCar	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	494930.6	3645935	1.91E-05	2.417YrCar	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	494994.6	3645935	1.20E-05	2.417YrCar	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	495058.6	3645935	8.16E-06	2.417YrCar	8.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	495122.6	3645935	5.89E-06	2.417YrCar	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	495186.6	3645935	4.43E-06	2.417YrCar	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	495250.6	3645935	3.46E-06	2.417YrCar	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	495314.6	3645935	2.78E-06	2.417YrCar	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	494802.6	3645990	7.19E-05	2.417YrCar	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	494866.6	3645990	3.11E-05	2.417YrCar	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	494930.6	3645990	1.66E-05	2.417YrCar	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	494994.6	3645990	1.02E-05	2.417YrCar	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	495058.6	3645990	6.95E-06	2.417YrCar	6.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	495122.6	3645990	5.03E-06	2.417YrCar	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	495186.6	3645990	3.80E-06	2.417YrCar	3.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	495250.6	3645990	2.99E-06	2.417YrCar	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	495314.6	3645990	2.41E-06	2.417YrCar	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	494930.6	3646044	1.29E-05	2.417YrCar	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	494994.6	3646044	8.26E-06	2.417YrCar	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	495058.6	3646044	5.82E-06	2.417YrCar	5.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	495122.6	3646044	4.29E-06	2.417YrCar	4.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	495186.6	3646044	3.28E-06	2.417YrCar	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	495250.6	3646044	2.60E-06	2.417YrCar	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	495314.6	3646044	2.12E-06	2.417YrCar	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	494930.6	3646099	9.59E-06	2.417YrCar	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	494994.6	3646099	6.66E-06	2.417YrCar	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	495058.6	3646099	4.98E-06	2.417YrCar	4.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	495122.6	3646099	3.75E-06	2.417YrCar	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	495186.6	3646099	2.92E-06	2.417YrCar	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	495250.6	3646099	2.34E-06	2.417YrCar	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	495314.6	3646099	1.92E-06	2.417YrCar	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	494930.6	3646153	7.07E-06	2.417YrCar	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	494994.6	3646153	5.43E-06	2.417YrCar	5.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	495058.6	3646153	4.30E-06	2.417YrCar	4.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	495122.6	3646153	3.37E-06	2.417YrCar	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	495186.6	3646153	2.68E-06	2.417YrCar	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	495250.6	3646153	2.17E-06	2.417YrCar	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

98	ALL	495314.6	3646153	1.78E-06	2.417YrCar	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	494866.6	3646208	5.22E-06	2.417YrCar	5.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	494930.6	3646208	5.03E-06	2.417YrCar	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	494994.6	3646208	4.17E-06	2.417YrCar	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	495058.6	3646208	3.53E-06	2.417YrCar	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	495122.6	3646208	2.82E-06	2.417YrCar	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	495186.6	3646208	2.32E-06	2.417YrCar	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	495250.6	3646208	1.95E-06	2.417YrCar	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	495314.6	3646208	1.64E-06	2.417YrCar	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	494866.6	3646262	3.67E-06	2.417YrCar	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	494930.6	3646262	3.57E-06	2.417YrCar	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	494994.6	3646262	3.19E-06	2.417YrCar	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	495058.6	3646262	2.83E-06	2.417YrCar	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	495122.6	3646262	2.47E-06	2.417YrCar	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	495186.6	3646262	2.11E-06	2.417YrCar	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	495250.6	3646262	1.80E-06	2.417YrCar	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	495314.6	3646262	1.54E-06	2.417YrCar	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	494994.6	3646317	2.38E-06	2.417YrCar	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	495058.6	3646317	2.20E-06	2.417YrCar	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	495122.6	3646317	2.04E-06	2.417YrCar	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	495186.6	3646317	1.84E-06	2.417YrCar	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	495250.6	3646317	1.63E-06	2.417YrCar	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	495314.6	3646317	1.44E-06	2.417YrCar	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	494994.6	3646371	1.81E-06	2.417YrCar	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	494773	3645843	6.31E-05	2.417YrCar	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	494784	3645843	5.69E-05	2.417YrCar	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	494795	3645843	5.12E-05	2.417YrCar	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	494806	3645843	4.63E-05	2.417YrCar	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	494817	3645843	4.20E-05	2.417YrCar	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	494773	3645863	8.36E-05	2.417YrCar	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	494784	3645863	7.19E-05	2.417YrCar	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	494795	3645863	6.24E-05	2.417YrCar	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	494806	3645863	5.48E-05	2.417YrCar	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	494817	3645863	4.85E-05	2.417YrCar	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	494828	3645863	4.33E-05	2.417YrCar	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	494839	3645863	3.89E-05	2.417YrCar	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	494850	3645863	3.52E-05	2.417YrCar	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	494861	3645863	3.20E-05	2.417YrCar	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	494872	3645863	2.93E-05	2.417YrCar	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	494883	3645863	2.68E-05	2.417YrCar	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	494894	3645863	2.47E-05	2.417YrCar	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	494905	3645863	2.28E-05	2.417YrCar	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	494916	3645863	2.11E-05	2.417YrCar	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	494927	3645863	1.96E-05	2.417YrCar	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	494773	3645883	1.07E-04	2.417YrCar	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	494784	3645883	8.64E-05	2.417YrCar	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	494795	3645883	7.23E-05	2.417YrCar	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	494806	3645883	6.19E-05	2.417YrCar	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	494817	3645883	5.39E-05	2.417YrCar	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

147	ALL	494828	3645883	4.74E-05	2.417YrCar	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	494839	3645883	4.21E-05	2.417YrCar	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	494850	3645883	3.77E-05	2.417YrCar	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	494861	3645883	3.40E-05	2.417YrCar	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	494872	3645883	3.08E-05	2.417YrCar	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	494883	3645883	2.81E-05	2.417YrCar	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	494894	3645883	2.57E-05	2.417YrCar	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	494905	3645883	2.35E-05	2.417YrCar	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	494916	3645883	2.17E-05	2.417YrCar	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	494927	3645883	2.00E-05	2.417YrCar	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	494773	3645903	1.18E-04	2.417YrCar	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	494784	3645903	9.49E-05	2.417YrCar	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	494795	3645903	7.87E-05	2.417YrCar	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	494806	3645903	6.67E-05	2.417YrCar	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	494817	3645903	5.75E-05	2.417YrCar	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	494828	3645903	5.02E-05	2.417YrCar	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	494839	3645903	4.43E-05	2.417YrCar	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	494850	3645903	3.94E-05	2.417YrCar	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	494861	3645903	3.53E-05	2.417YrCar	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	494872	3645903	3.18E-05	2.417YrCar	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	494883	3645903	2.88E-05	2.417YrCar	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	494894	3645903	2.62E-05	2.417YrCar	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	494905	3645903	2.39E-05	2.417YrCar	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	494916	3645903	2.19E-05	2.417YrCar	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	494927	3645903	2.01E-05	2.417YrCar	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	494773	3645923	1.24E-04	2.417YrCar	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	494784	3645923	9.97E-05	2.417YrCar	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	494795	3645923	8.25E-05	2.417YrCar	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	494806	3645923	6.97E-05	2.417YrCar	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	494817	3645923	5.97E-05	2.417YrCar	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	494828	3645923	5.19E-05	2.417YrCar	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	494839	3645923	4.55E-05	2.417YrCar	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	494850	3645923	4.03E-05	2.417YrCar	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	494861	3645923	3.59E-05	2.417YrCar	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	494872	3645923	3.21E-05	2.417YrCar	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	494883	3645923	2.90E-05	2.417YrCar	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	494894	3645923	2.62E-05	2.417YrCar	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	494905	3645923	2.38E-05	2.417YrCar	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	494916	3645923	2.17E-05	2.417YrCar	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	494927	3645923	1.99E-05	2.417YrCar	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	494938	3645923	1.83E-05	2.417YrCar	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	494773	3645943	1.27E-04	2.417YrCar	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	494784	3645943	1.02E-04	2.417YrCar	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	494795	3645943	8.41E-05	2.417YrCar	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	494806	3645943	7.08E-05	2.417YrCar	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	494817	3645943	6.06E-05	2.417YrCar	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	494828	3645943	5.24E-05	2.417YrCar	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	494839	3645943	4.58E-05	2.417YrCar	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	494850	3645943	4.04E-05	2.417YrCar	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

196	ALL	494861	3645943	3.58E-05	2.417YrCar	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	494872	3645943	3.20E-05	2.417YrCar	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	494883	3645943	2.87E-05	2.417YrCar	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	494894	3645943	2.58E-05	2.417YrCar	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	494905	3645943	2.34E-05	2.417YrCar	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	494916	3645943	2.13E-05	2.417YrCar	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	494927	3645943	1.94E-05	2.417YrCar	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	494938	3645943	1.78E-05	2.417YrCar	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	494773	3645963	1.27E-04	2.417YrCar	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	494784	3645963	1.02E-04	2.417YrCar	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	494795	3645963	8.37E-05	2.417YrCar	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	494806	3645963	7.04E-05	2.417YrCar	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	494817	3645963	6.01E-05	2.417YrCar	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	494828	3645963	5.19E-05	2.417YrCar	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	494839	3645963	4.53E-05	2.417YrCar	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	494850	3645963	3.98E-05	2.417YrCar	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	494861	3645963	3.51E-05	2.417YrCar	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	494872	3645963	3.12E-05	2.417YrCar	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	494883	3645963	2.79E-05	2.417YrCar	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	494894	3645963	2.51E-05	2.417YrCar	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	494905	3645963	2.26E-05	2.417YrCar	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	494916	3645963	2.05E-05	2.417YrCar	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	494927	3645963	1.86E-05	2.417YrCar	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	494938	3645963	1.70E-05	2.417YrCar	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	494773	3645983	1.25E-04	2.417YrCar	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	494784	3645983	9.95E-05	2.417YrCar	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	494795	3645983	8.19E-05	2.417YrCar	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	494806	3645983	6.89E-05	2.417YrCar	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	494817	3645983	5.88E-05	2.417YrCar	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	494828	3645983	5.07E-05	2.417YrCar	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	494839	3645983	4.40E-05	2.417YrCar	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	494850	3645983	3.84E-05	2.417YrCar	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	494861	3645983	3.38E-05	2.417YrCar	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	494872	3645983	2.99E-05	2.417YrCar	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	494883	3645983	2.66E-05	2.417YrCar	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	494894	3645983	2.38E-05	2.417YrCar	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	494905	3645983	2.14E-05	2.417YrCar	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	494916	3645983	1.94E-05	2.417YrCar	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	494927	3645983	1.76E-05	2.417YrCar	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	494938	3645983	1.60E-05	2.417YrCar	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	494784	3646003	9.82E-05	2.417YrCar	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	494795	3646003	8.13E-05	2.417YrCar	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	494806	3646003	6.79E-05	2.417YrCar	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	494817	3646003	5.74E-05	2.417YrCar	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	494828	3646003	4.88E-05	2.417YrCar	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	494839	3646003	4.18E-05	2.417YrCar	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	494850	3646003	3.62E-05	2.417YrCar	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	494861	3646003	3.16E-05	2.417YrCar	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	494872	3646003	2.79E-05	2.417YrCar	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

245	ALL	494883	3646003	2.47E-05	2.417YrCar	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	494894	3646003	2.21E-05	2.417YrCar	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	494905	3646003	1.98E-05	2.417YrCar	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	494916	3646003	1.79E-05	2.417YrCar	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	494927	3646003	1.63E-05	2.417YrCar	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	494938	3646003	1.48E-05	2.417YrCar	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	494806	3646023	6.77E-05	2.417YrCar	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	494817	3646023	5.42E-05	2.417YrCar	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	494828	3646023	4.47E-05	2.417YrCar	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	494839	3646023	3.78E-05	2.417YrCar	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	494850	3646023	3.25E-05	2.417YrCar	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	494861	3646023	2.83E-05	2.417YrCar	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	494872	3646023	2.51E-05	2.417YrCar	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	494883	3646023	2.23E-05	2.417YrCar	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	494894	3646023	2.00E-05	2.417YrCar	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	494905	3646023	1.80E-05	2.417YrCar	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	494916	3646023	1.63E-05	2.417YrCar	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	494927	3646023	1.49E-05	2.417YrCar	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	494938	3646023	1.36E-05	2.417YrCar	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	494806	3646043	5.57E-05	2.417YrCar	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	494817	3646043	4.44E-05	2.417YrCar	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	494828	3646043	3.71E-05	2.417YrCar	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	494839	3646043	3.17E-05	2.417YrCar	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	494850	3646043	2.74E-05	2.417YrCar	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	494861	3646043	2.38E-05	2.417YrCar	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	494872	3646043	2.16E-05	2.417YrCar	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	494883	3646043	1.95E-05	2.417YrCar	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	494894	3646043	1.77E-05	2.417YrCar	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	494916	3646043	1.46E-05	2.417YrCar	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	494927	3646043	1.34E-05	2.417YrCar	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	494938	3646043	1.23E-05	2.417YrCar	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	494916	3646063	1.30E-05	2.417YrCar	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	494927	3646063	1.21E-05	2.417YrCar	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	494938	3646063	1.11E-05	2.417YrCar	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	494916	3646083	1.15E-05	2.417YrCar	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	494927	3646083	1.07E-05	2.417YrCar	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	494938	3646083	9.98E-06	2.417YrCar	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	494916	3646103	1.02E-05	2.417YrCar	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	494927	3646103	9.57E-06	2.417YrCar	9.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	494938	3646103	8.98E-06	2.417YrCar	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	494905	3646123	9.35E-06	2.417YrCar	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	494916	3646123	9.03E-06	2.417YrCar	9.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	494927	3646123	8.53E-06	2.417YrCar	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	494938	3646123	8.06E-06	2.417YrCar	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	494949	3646123	7.68E-06	2.417YrCar	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	494905	3646143	8.24E-06	2.417YrCar	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	494916	3646143	8.02E-06	2.417YrCar	8.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	494927	3646143	7.61E-06	2.417YrCar	7.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	494938	3646143	7.24E-06	2.417YrCar	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

294	ALL	494949	3646143	6.92E-06	2.417YrCar	6.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	494905	3646163	7.15E-06	2.417YrCar	7.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	494916	3646163	7.00E-06	2.417YrCar	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	494927	3646163	6.75E-06	2.417YrCar	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	494938	3646163	6.49E-06	2.417YrCar	6.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	494949	3646163	6.21E-06	2.417YrCar	6.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	494883	3646183	6.10E-06	2.417YrCar	6.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	494894	3646183	6.53E-06	2.417YrCar	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	494905	3646183	6.34E-06	2.417YrCar	6.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	494916	3646183	6.14E-06	2.417YrCar	6.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	494927	3646183	5.94E-06	2.417YrCar	5.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	494938	3646183	5.74E-06	2.417YrCar	5.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	494949	3646183	5.53E-06	2.417YrCar	5.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	494839	3646203	5.29E-06	2.417YrCar	5.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	494850	3646203	5.24E-06	2.417YrCar	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	494861	3646203	5.24E-06	2.417YrCar	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	494872	3646203	5.37E-06	2.417YrCar	5.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	494883	3646203	5.47E-06	2.417YrCar	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	494894	3646203	5.61E-06	2.417YrCar	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	494905	3646203	5.50E-06	2.417YrCar	5.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	494916	3646203	5.37E-06	2.417YrCar	5.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	494927	3646203	5.24E-06	2.417YrCar	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	494938	3646203	5.10E-06	2.417YrCar	5.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	494949	3646203	4.95E-06	2.417YrCar	4.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	494839	3646223	4.82E-06	2.417YrCar	4.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	494850	3646223	4.78E-06	2.417YrCar	4.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	494861	3646223	4.75E-06	2.417YrCar	4.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	494872	3646223	4.74E-06	2.417YrCar	4.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	494883	3646223	4.71E-06	2.417YrCar	4.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	494894	3646223	4.69E-06	2.417YrCar	4.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	494905	3646223	4.73E-06	2.417YrCar	4.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	494916	3646223	4.66E-06	2.417YrCar	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	494927	3646223	4.59E-06	2.417YrCar	4.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	494938	3646223	4.49E-06	2.417YrCar	4.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	494839	3646243	4.12E-06	2.417YrCar	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	494850	3646243	4.12E-06	2.417YrCar	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	494861	3646243	4.13E-06	2.417YrCar	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	494872	3646243	4.17E-06	2.417YrCar	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	494883	3646243	4.16E-06	2.417YrCar	4.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	494894	3646243	4.16E-06	2.417YrCar	4.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	494905	3646243	4.15E-06	2.417YrCar	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	494916	3646243	4.11E-06	2.417YrCar	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	494927	3646243	4.04E-06	2.417YrCar	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	494938	3646243	3.97E-06	2.417YrCar	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	494872	3646263	3.64E-06	2.417YrCar	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	494883	3646263	3.66E-06	2.417YrCar	3.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	494894	3646263	3.66E-06	2.417YrCar	3.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	494905	3646263	3.65E-06	2.417YrCar	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	494916	3646263	3.61E-06	2.417YrCar	3.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

343	ALL	494927	3646263	3.57E-06	2.417YrCar	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	494938	3646263	3.53E-06	2.417YrCar	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	494872	3646283	3.19E-06	2.417YrCar	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	494883	3646283	3.18E-06	2.417YrCar	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	494894	3646283	3.17E-06	2.417YrCar	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	494905	3646283	3.15E-06	2.417YrCar	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	494916	3646283	3.13E-06	2.417YrCar	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	494927	3646283	3.11E-06	2.417YrCar	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	494938	3646283	3.09E-06	2.417YrCar	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	494872	3646303	2.79E-06	2.417YrCar	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	494883	3646303	2.80E-06	2.417YrCar	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	494894	3646303	2.81E-06	2.417YrCar	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	494905	3646303	2.80E-06	2.417YrCar	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	494916	3646303	2.80E-06	2.417YrCar	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	494927	3646303	2.78E-06	2.417YrCar	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	494938	3646303	2.76E-06	2.417YrCar	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	494642.6	3645779	3.30E-05	2.417YrCar	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	494675.2	3645781	3.09E-05	2.417YrCar	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	494711.4	3645793	4.21E-05	2.417YrCar	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	494728.1	3645794	4.17E-05	2.417YrCar	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	494745.3	3645797	4.09E-05	2.417YrCar	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	494750	3645849	8.89E-05	2.417YrCar	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	494768.4	3645801	3.83E-05	2.417YrCar	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	494784.5	3645801	3.50E-05	2.417YrCar	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	494802.3	3645804	3.26E-05	2.417YrCar	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	494820.7	3645804	2.94E-05	2.417YrCar	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	494839.7	3645806	2.66E-05	2.417YrCar	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	494854.5	3645811	2.54E-05	2.417YrCar	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	494874.7	3645812	2.27E-05	2.417YrCar	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	494893.7	3645812	2.04E-05	2.417YrCar	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	494905.6	3645818	1.97E-05	2.417YrCar	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	494939.5	3645823	1.65E-05	2.417YrCar	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	494583.8	3646041	1.68E-05	2.417YrCar	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	494571.3	3645977	2.35E-05	2.417YrCar	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	494584.4	3645919	3.81E-05	2.417YrCar	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	494571.3	3645863	3.06E-05	2.417YrCar	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	494527.4	3645916	1.76E-05	2.417YrCar	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	494528.6	3645980	1.39E-05	2.417YrCar	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	494478.7	3645920	1.09E-05	2.417YrCar	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	494486.4	3645855	1.29E-05	2.417YrCar	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	494426.4	3645862	8.38E-06	2.417YrCar	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	494392	3645861	6.81E-06	2.417YrCar	6.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	494388.4	3645831	6.84E-06	2.417YrCar	6.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	494431.8	3645837	8.78E-06	2.417YrCar	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	494421.1	3645804	8.06E-06	2.417YrCar	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	494396.1	3645799	7.03E-06	2.417YrCar	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	494502.4	3645746	1.04E-05	2.417YrCar	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	494476.3	3645746	8.91E-06	2.417YrCar	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	494439.5	3645753	7.60E-06	2.417YrCar	7.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

392	ALL	494425.8	3645709	5.89E-06	2.417YrCar	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	494397.3	3645721	5.66E-06	2.417YrCar	5.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	494355.2	3645715	4.84E-06	2.417YrCar	4.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	494319.5	3645705	4.26E-06	2.417YrCar	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	494308.3	3645745	4.50E-06	2.417YrCar	4.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	494286.3	3645700	3.82E-06	2.417YrCar	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	494321.3	3645668	3.84E-06	2.417YrCar	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	494870.1	3646307	2.71E-06	2.417YrCar	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	494869.1	3646263	3.64E-06	2.417YrCar	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	494832.4	3646261	3.65E-06	2.417YrCar	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	494832.4	3646205	5.27E-06	2.417YrCar	5.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	494897.2	3646174	6.90E-06	2.417YrCar	6.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	494907.8	3646091	1.15E-05	2.417YrCar	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	494909.7	3646043	1.54E-05	2.417YrCar	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	494805.3	3646045	5.49E-05	2.417YrCar	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	494795.6	3646016	8.36E-05	2.417YrCar	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	494769.5	3645992	1.33E-04	2.417YrCar	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	494771.5	3645837	5.94E-05	2.417YrCar	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	494934.9	3645858	1.84E-05	2.417YrCar	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	494949.4	3646129	7.43E-06	2.417YrCar	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	494948.4	3646311	2.63E-06	2.417YrCar	2.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	494189.9	3645549	2.11E-06	2.417YrCar	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	494232.5	3645540	2.14E-06	2.417YrCar	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	494454.5	3645606	3.17E-06	2.417YrCar	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	494558.4	3645684	5.99E-06	2.417YrCar	5.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	494933.1	3645727	1.07E-05	2.417YrCar	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	494937.8	3645559	3.75E-06	2.417YrCar	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	494582	3645516	2.01E-06	2.417YrCar	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	494610.3	3645376	9.42E-07	2.417YrCar	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	494378.9	3645354	1.01E-06	2.417YrCar	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	494114.8	3645356	1.19E-06	2.417YrCar	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	494983.4	3646396	1.63E-06	2.417YrCar	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	494978.7	3645779	1.18E-05	2.417YrCar	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	495021.2	3645788	1.02E-05	2.417YrCar	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	495221.2	3645838	4.65E-06	2.417YrCar	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	495337.7	3645854	3.07E-06	2.417YrCar	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	495345.6	3646341	1.26E-06	2.417YrCar	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	495046.4	3646342	1.98E-06	2.417YrCar	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	495044.8	3646397	1.55E-06	2.417YrCar	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		494162.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04
2	ALL		494226.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04
3	ALL		494290.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04
4	ALL		494354.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
5	ALL		494418.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04
6	ALL		494482.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04
7	ALL		494546.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04
8	ALL		494162.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
9	ALL		494226.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04
10	ALL		494290.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04
11	ALL		494354.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
12	ALL		494418.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04
13	ALL		494482.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
14	ALL		494546.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04
15	ALL		494226.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
16	ALL		494290.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
17	ALL		494354.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
18	ALL		494418.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04
19	ALL		494482.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04
20	ALL		494546.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
21	ALL		494290.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
22	ALL		494354.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
23	ALL		494418.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
24	ALL		494482.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
25	ALL		494546.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
26	ALL		494610.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
27	ALL		494674.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
28	ALL		494738.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
29	ALL		494802.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
30	ALL		494866.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
31	ALL		494482.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
32	ALL		494546.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
33	ALL		494610.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
34	ALL		494674.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
35	ALL		494738.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
36	ALL		494802.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
37	ALL		494866.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
38	ALL		494930.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03
39	ALL		494546.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
40	ALL		494610.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
41	ALL		494674.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
42	ALL		494738.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
43	ALL		494802.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
44	ALL		494866.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-03
45	ALL		494930.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-03
46	ALL		494866.6	3645717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-03
47	ALL		494930.6	3645717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03
48	ALL		494994.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-03
49	ALL		495058.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-03
50	ALL		495122.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03
51	ALL		494802.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-02
52	ALL		494866.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-02
53	ALL		494930.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02
54	ALL		494994.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-03

55	ALL	495058.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03
56	ALL	495122.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03
57	ALL	495186.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
58	ALL	495250.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
59	ALL	495314.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
60	ALL	494802.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-02
61	ALL	494866.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02
62	ALL	494930.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02
63	ALL	494994.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-03
64	ALL	495058.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03
65	ALL	495122.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03
66	ALL	495186.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03
67	ALL	495250.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
68	ALL	495314.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
69	ALL	494802.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-02
70	ALL	494866.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02
71	ALL	494930.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-03
72	ALL	494994.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03
73	ALL	495058.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03
74	ALL	495122.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
75	ALL	495186.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
76	ALL	495250.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
77	ALL	495314.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
78	ALL	494930.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-03
79	ALL	494994.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03
80	ALL	495058.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03
81	ALL	495122.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
82	ALL	495186.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
83	ALL	495250.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
84	ALL	495314.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
85	ALL	494930.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-03
86	ALL	494994.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03
87	ALL	495058.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
88	ALL	495122.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
89	ALL	495186.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
90	ALL	495250.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
91	ALL	495314.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
92	ALL	494930.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03
93	ALL	494994.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03
94	ALL	495058.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
95	ALL	495122.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
96	ALL	495186.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
97	ALL	495250.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
98	ALL	495314.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
99	ALL	494866.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03
100	ALL	494930.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
101	ALL	494994.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
102	ALL	495058.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
103	ALL	495122.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
104	ALL	495186.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
105	ALL	495250.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
106	ALL	495314.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04
107	ALL	494866.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
108	ALL	494930.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
109	ALL	494994.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03

110	ALL	495058.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
111	ALL	495122.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
112	ALL	495186.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
113	ALL	495250.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
114	ALL	495314.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04
115	ALL	494994.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
116	ALL	495058.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
117	ALL	495122.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
118	ALL	495186.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
119	ALL	495250.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04
120	ALL	495314.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
121	ALL	494994.6	3646371	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
122	ALL	494773	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-02
123	ALL	494784	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-02
124	ALL	494795	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-02
125	ALL	494806	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-02
126	ALL	494817	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-02
127	ALL	494773	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-02
128	ALL	494784	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-02
129	ALL	494795	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-02
130	ALL	494806	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-02
131	ALL	494817	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-02
132	ALL	494828	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-02
133	ALL	494839	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02
134	ALL	494850	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
135	ALL	494861	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02
136	ALL	494872	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02
137	ALL	494883	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02
138	ALL	494894	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02
139	ALL	494905	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02
140	ALL	494916	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02
141	ALL	494927	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02
142	ALL	494773	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-02
143	ALL	494784	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-02
144	ALL	494795	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-02
145	ALL	494806	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-02
146	ALL	494817	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-02
147	ALL	494828	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-02
148	ALL	494839	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02
149	ALL	494850	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02
150	ALL	494861	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-02
151	ALL	494872	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-02
152	ALL	494883	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-02
153	ALL	494894	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-02
154	ALL	494905	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02
155	ALL	494916	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02
156	ALL	494927	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-02
157	ALL	494773	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-02
158	ALL	494784	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-02
159	ALL	494795	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-02
160	ALL	494806	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02
161	ALL	494817	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02
162	ALL	494828	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-02
163	ALL	494839	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02
164	ALL	494850	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-02

165	ALL	494861	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
166	ALL	494872	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-02
167	ALL	494883	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-02
168	ALL	494894	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02
169	ALL	494905	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02
170	ALL	494916	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02
171	ALL	494927	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-02
172	ALL	494773	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-02
173	ALL	494784	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-02
174	ALL	494795	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-02
175	ALL	494806	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
176	ALL	494817	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-02
177	ALL	494828	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02
178	ALL	494839	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-02
179	ALL	494850	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-02
180	ALL	494861	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-02
181	ALL	494872	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-02
182	ALL	494883	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02
183	ALL	494894	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02
184	ALL	494905	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02
185	ALL	494916	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02
186	ALL	494927	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02
187	ALL	494938	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02
188	ALL	494773	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-02
189	ALL	494784	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-02
190	ALL	494795	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-02
191	ALL	494806	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-02
192	ALL	494817	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-02
193	ALL	494828	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-02
194	ALL	494839	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-02
195	ALL	494850	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-02
196	ALL	494861	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-02
197	ALL	494872	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02
198	ALL	494883	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-02
199	ALL	494894	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02
200	ALL	494905	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-02
201	ALL	494916	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02
202	ALL	494927	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02
203	ALL	494938	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-02
204	ALL	494773	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-02
205	ALL	494784	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-02
206	ALL	494795	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02
207	ALL	494806	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-02
208	ALL	494817	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-02
209	ALL	494828	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02
210	ALL	494839	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-02
211	ALL	494850	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-02
212	ALL	494861	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
213	ALL	494872	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02
214	ALL	494883	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02
215	ALL	494894	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02
216	ALL	494905	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
217	ALL	494916	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02
218	ALL	494927	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02
219	ALL	494938	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-03

220	ALL	494773	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-02
221	ALL	494784	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-02
222	ALL	494795	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-02
223	ALL	494806	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-02
224	ALL	494817	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-02
225	ALL	494828	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
226	ALL	494839	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02
227	ALL	494850	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02
228	ALL	494861	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02
229	ALL	494872	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02
230	ALL	494883	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02
231	ALL	494894	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02
232	ALL	494905	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02
233	ALL	494916	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-02
234	ALL	494927	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-03
235	ALL	494938	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-03
236	ALL	494784	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-02
237	ALL	494795	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-02
238	ALL	494806	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-02
239	ALL	494817	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-02
240	ALL	494828	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-02
241	ALL	494839	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-02
242	ALL	494850	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
243	ALL	494861	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-02
244	ALL	494872	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02
245	ALL	494883	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02
246	ALL	494894	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-02
247	ALL	494905	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02
248	ALL	494916	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02
249	ALL	494927	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-03
250	ALL	494938	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-03
251	ALL	494806	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02
252	ALL	494817	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-02
253	ALL	494828	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-02
254	ALL	494839	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-02
255	ALL	494850	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02
256	ALL	494861	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-02
257	ALL	494872	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02
258	ALL	494883	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02
259	ALL	494894	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-02
260	ALL	494905	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-02
261	ALL	494916	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-03
262	ALL	494927	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-03
263	ALL	494938	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-03
264	ALL	494806	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-02
265	ALL	494817	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-02
266	ALL	494828	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-02
267	ALL	494839	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-02
268	ALL	494850	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02
269	ALL	494861	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02
270	ALL	494872	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02
271	ALL	494883	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02
272	ALL	494894	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-03
273	ALL	494916	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-03
274	ALL	494927	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-03

275	ALL	494938	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03
276	ALL	494916	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-03
277	ALL	494927	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-03
278	ALL	494938	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-03
279	ALL	494916	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-03
280	ALL	494927	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-03
281	ALL	494938	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03
282	ALL	494916	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-03
283	ALL	494927	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-03
284	ALL	494938	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-03
285	ALL	494905	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-03
286	ALL	494916	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03
287	ALL	494927	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03
288	ALL	494938	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-03
289	ALL	494949	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03
290	ALL	494905	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03
291	ALL	494916	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03
292	ALL	494927	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03
293	ALL	494938	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03
294	ALL	494949	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03
295	ALL	494905	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-03
296	ALL	494916	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-03
297	ALL	494927	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03
298	ALL	494938	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03
299	ALL	494949	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03
300	ALL	494883	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03
301	ALL	494894	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03
302	ALL	494905	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03
303	ALL	494916	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
304	ALL	494927	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-03
305	ALL	494938	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03
306	ALL	494949	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03
307	ALL	494839	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
308	ALL	494850	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
309	ALL	494861	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
310	ALL	494872	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03
311	ALL	494883	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03
312	ALL	494894	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03
313	ALL	494905	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03
314	ALL	494916	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03
315	ALL	494927	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
316	ALL	494938	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
317	ALL	494949	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
318	ALL	494839	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03
319	ALL	494850	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03
320	ALL	494861	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
321	ALL	494872	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
322	ALL	494883	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
323	ALL	494894	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
324	ALL	494905	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
325	ALL	494916	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03
326	ALL	494927	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
327	ALL	494938	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03
328	ALL	494839	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
329	ALL	494850	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03

330	ALL	494861	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
331	ALL	494872	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
332	ALL	494883	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03
333	ALL	494894	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03
334	ALL	494905	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
335	ALL	494916	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03
336	ALL	494927	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
337	ALL	494938	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
338	ALL	494872	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
339	ALL	494883	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
340	ALL	494894	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
341	ALL	494905	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
342	ALL	494916	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
343	ALL	494927	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
344	ALL	494938	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
345	ALL	494872	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
346	ALL	494883	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
347	ALL	494894	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
348	ALL	494905	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
349	ALL	494916	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
350	ALL	494927	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
351	ALL	494938	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
352	ALL	494872	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
353	ALL	494883	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
354	ALL	494894	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
355	ALL	494905	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
356	ALL	494916	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
357	ALL	494927	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
358	ALL	494938	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
359	ALL	494642.6	3645779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-02
360	ALL	494675.2	3645781	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-02
361	ALL	494711.4	3645793	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02
362	ALL	494728.1	3645794	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-02
363	ALL	494745.3	3645797	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-02
364	ALL	494750	3645849	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-02
365	ALL	494768.4	3645801	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02
366	ALL	494784.5	3645801	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-02
367	ALL	494802.3	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02
368	ALL	494820.7	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02
369	ALL	494839.7	3645806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-02
370	ALL	494854.5	3645811	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02
371	ALL	494874.7	3645812	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
372	ALL	494893.7	3645812	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02
373	ALL	494905.6	3645818	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02
374	ALL	494939.5	3645823	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-03
375	ALL	494583.8	3646041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03
376	ALL	494571.3	3645977	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02
377	ALL	494584.4	3645919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-02
378	ALL	494571.3	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02
379	ALL	494527.4	3645916	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-03
380	ALL	494528.6	3645980	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-03
381	ALL	494478.7	3645920	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-03
382	ALL	494486.4	3645855	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-03
383	ALL	494426.4	3645862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03
384	ALL	494392	3645861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03

385	ALL	494388.4	3645831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03
386	ALL	494431.8	3645837	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-03
387	ALL	494421.1	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-03
388	ALL	494396.1	3645799	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03
389	ALL	494502.4	3645746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-03
390	ALL	494476.3	3645746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-03
391	ALL	494439.5	3645753	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-03
392	ALL	494425.8	3645709	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03
393	ALL	494397.3	3645721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
394	ALL	494355.2	3645715	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
395	ALL	494319.5	3645705	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
396	ALL	494308.3	3645745	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03
397	ALL	494286.3	3645700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
398	ALL	494321.3	3645668	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
399	ALL	494870.1	3646307	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
400	ALL	494869.1	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
401	ALL	494832.4	3646261	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
402	ALL	494832.4	3646205	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
403	ALL	494897.2	3646174	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03
404	ALL	494907.8	3646091	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-03
405	ALL	494909.7	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-03
406	ALL	494805.3	3646045	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-02
407	ALL	494795.6	3646016	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02
408	ALL	494769.5	3645992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-02
409	ALL	494771.5	3645837	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-02
410	ALL	494934.9	3645858	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02
411	ALL	494949.4	3646129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-03
412	ALL	494948.4	3646311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
413	ALL	494189.9	3645549	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
414	ALL	494232.5	3645540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
415	ALL	494454.5	3645606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
416	ALL	494558.4	3645684	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
417	ALL	494933.1	3645727	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03
418	ALL	494937.8	3645559	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
419	ALL	494582	3645516	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
420	ALL	494610.3	3645376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
421	ALL	494378.9	3645354	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
422	ALL	494114.8	3645356	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
423	ALL	494983.4	3646396	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
424	ALL	494978.7	3645779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-03
425	ALL	495021.2	3645788	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-03
426	ALL	495221.2	3645838	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
427	ALL	495337.7	3645854	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
428	ALL	495345.6	3646341	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
429	ALL	495046.4	3646342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
430	ALL	495044.8	3646397	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04

HARP2 - HRACalc (dated 22118) 6/20/2022 6:20:52 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.417

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.4170001
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4CancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\Oak Knoll\OAK KNOLL\hra\Res-Tier 4NCAcuteRiskSumByRec.csv
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_R	EGG_RISK
1	ALL		494162.6	3645391	9.80E-08	2.417YrCar	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		494226.6	3645391	9.77E-08	2.417YrCar	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		494290.6	3645391	9.35E-08	2.417YrCar	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		494354.6	3645391	8.87E-08	2.417YrCar	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		494418.6	3645391	8.40E-08	2.417YrCar	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		494482.6	3645391	8.24E-08	2.417YrCar	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		494546.6	3645391	7.92E-08	2.417YrCar	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		494162.6	3645445	1.13E-07	2.417YrCar	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		494226.6	3645445	1.15E-07	2.417YrCar	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		494290.6	3645445	1.13E-07	2.417YrCar	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		494354.6	3645445	1.08E-07	2.417YrCar	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		494418.6	3645445	1.04E-07	2.417YrCar	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		494482.6	3645445	1.03E-07	2.417YrCar	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		494546.6	3645445	1.06E-07	2.417YrCar	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		494226.6	3645500	1.37E-07	2.417YrCar	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		494290.6	3645500	1.41E-07	2.417YrCar	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		494354.6	3645500	1.38E-07	2.417YrCar	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		494418.6	3645500	1.31E-07	2.417YrCar	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		494482.6	3645500	1.29E-07	2.417YrCar	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		494546.6	3645500	1.33E-07	2.417YrCar	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		494290.6	3645554	1.76E-07	2.417YrCar	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		494354.6	3645554	1.78E-07	2.417YrCar	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		494418.6	3645554	1.76E-07	2.417YrCar	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		494482.6	3645554	1.70E-07	2.417YrCar	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		494546.6	3645554	1.71E-07	2.417YrCar	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		494610.6	3645554	1.85E-07	2.417YrCar	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		494674.6	3645554	2.05E-07	2.417YrCar	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		494738.6	3645554	2.21E-07	2.417YrCar	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		494802.6	3645554	2.37E-07	2.417YrCar	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		494866.6	3645554	2.56E-07	2.417YrCar	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		494482.6	3645609	2.33E-07	2.417YrCar	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		494546.6	3645609	2.32E-07	2.417YrCar	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		494610.6	3645609	2.53E-07	2.417YrCar	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		494674.6	3645609	2.88E-07	2.417YrCar	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		494738.6	3645609	3.18E-07	2.417YrCar	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		494802.6	3645609	3.45E-07	2.417YrCar	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		494866.6	3645609	3.69E-07	2.417YrCar	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		494930.6	3645609	3.76E-07	2.417YrCar	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		494546.6	3645663	3.56E-07	2.417YrCar	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		494610.6	3645663	3.89E-07	2.417YrCar	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		494674.6	3645663	4.55E-07	2.417YrCar	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		494738.6	3645663	5.02E-07	2.417YrCar	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		494802.6	3645663	5.39E-07	2.417YrCar	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		494866.6	3645663	5.53E-07	2.417YrCar	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		494930.6	3645663	5.32E-07	2.417YrCar	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		494866.6	3645717	8.61E-07	2.417YrCar	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		494930.6	3645717	7.57E-07	2.417YrCar	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		494994.6	3645826	9.24E-07	2.417YrCar	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

49	ALL	495058.6	3645826	6.77E-07	2.417YrCar	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	495122.6	3645826	5.12E-07	2.417YrCar	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	494802.6	3645881	4.76E-06	2.417YrCar	4.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	494866.6	3645881	2.39E-06	2.417YrCar	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	494930.6	3645881	1.45E-06	2.417YrCar	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	494994.6	3645881	9.55E-07	2.417YrCar	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	495058.6	3645881	6.69E-07	2.417YrCar	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	495122.6	3645881	4.91E-07	2.417YrCar	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	495186.6	3645881	3.73E-07	2.417YrCar	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	495250.6	3645881	2.92E-07	2.417YrCar	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	495314.6	3645881	2.34E-07	2.417YrCar	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	494802.6	3645935	5.52E-06	2.417YrCar	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	494866.6	3645935	2.52E-06	2.417YrCar	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	494930.6	3645935	1.42E-06	2.417YrCar	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	494994.6	3645935	8.91E-07	2.417YrCar	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	495058.6	3645935	6.07E-07	2.417YrCar	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	495122.6	3645935	4.38E-07	2.417YrCar	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	495186.6	3645935	3.29E-07	2.417YrCar	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	495250.6	3645935	2.57E-07	2.417YrCar	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	495314.6	3645935	2.06E-07	2.417YrCar	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	494802.6	3645990	5.35E-06	2.417YrCar	5.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	494866.6	3645990	2.31E-06	2.417YrCar	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	494930.6	3645990	1.24E-06	2.417YrCar	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	494994.6	3645990	7.60E-07	2.417YrCar	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	495058.6	3645990	5.17E-07	2.417YrCar	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	495122.6	3645990	3.74E-07	2.417YrCar	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	495186.6	3645990	2.83E-07	2.417YrCar	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	495250.6	3645990	2.22E-07	2.417YrCar	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	495314.6	3645990	1.79E-07	2.417YrCar	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	494930.6	3646044	9.62E-07	2.417YrCar	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	494994.6	3646044	6.14E-07	2.417YrCar	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	495058.6	3646044	4.32E-07	2.417YrCar	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	495122.6	3646044	3.19E-07	2.417YrCar	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	495186.6	3646044	2.44E-07	2.417YrCar	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	495250.6	3646044	1.93E-07	2.417YrCar	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	495314.6	3646044	1.57E-07	2.417YrCar	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	494930.6	3646099	7.13E-07	2.417YrCar	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	494994.6	3646099	4.95E-07	2.417YrCar	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	495058.6	3646099	3.70E-07	2.417YrCar	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	495122.6	3646099	2.79E-07	2.417YrCar	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	495186.6	3646099	2.17E-07	2.417YrCar	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	495250.6	3646099	1.74E-07	2.417YrCar	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	495314.6	3646099	1.43E-07	2.417YrCar	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	494930.6	3646153	5.26E-07	2.417YrCar	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	494994.6	3646153	4.04E-07	2.417YrCar	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	495058.6	3646153	3.20E-07	2.417YrCar	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	495122.6	3646153	2.50E-07	2.417YrCar	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	495186.6	3646153	1.99E-07	2.417YrCar	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	495250.6	3646153	1.62E-07	2.417YrCar	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

98	ALL	495314.6	3646153	1.33E-07	2.417YrCar	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	494866.6	3646208	3.88E-07	2.417YrCar	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	494930.6	3646208	3.74E-07	2.417YrCar	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	494994.6	3646208	3.10E-07	2.417YrCar	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	495058.6	3646208	2.63E-07	2.417YrCar	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	495122.6	3646208	2.10E-07	2.417YrCar	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	495186.6	3646208	1.73E-07	2.417YrCar	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	495250.6	3646208	1.45E-07	2.417YrCar	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	495314.6	3646208	1.22E-07	2.417YrCar	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	494866.6	3646262	2.73E-07	2.417YrCar	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	494930.6	3646262	2.66E-07	2.417YrCar	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	494994.6	3646262	2.37E-07	2.417YrCar	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	495058.6	3646262	2.10E-07	2.417YrCar	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	495122.6	3646262	1.83E-07	2.417YrCar	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	495186.6	3646262	1.57E-07	2.417YrCar	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	495250.6	3646262	1.34E-07	2.417YrCar	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	495314.6	3646262	1.14E-07	2.417YrCar	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	494994.6	3646317	1.77E-07	2.417YrCar	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	495058.6	3646317	1.64E-07	2.417YrCar	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	495122.6	3646317	1.51E-07	2.417YrCar	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	495186.6	3646317	1.36E-07	2.417YrCar	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	495250.6	3646317	1.21E-07	2.417YrCar	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	495314.6	3646317	1.07E-07	2.417YrCar	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	494994.6	3646371	1.35E-07	2.417YrCar	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	494773	3645843	4.69E-06	2.417YrCar	4.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	494784	3645843	4.23E-06	2.417YrCar	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	494795	3645843	3.81E-06	2.417YrCar	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	494806	3645843	3.44E-06	2.417YrCar	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	494817	3645843	3.12E-06	2.417YrCar	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	494773	3645863	6.21E-06	2.417YrCar	6.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	494784	3645863	5.35E-06	2.417YrCar	5.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	494795	3645863	4.64E-06	2.417YrCar	4.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	494806	3645863	4.07E-06	2.417YrCar	4.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	494817	3645863	3.61E-06	2.417YrCar	3.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	494828	3645863	3.22E-06	2.417YrCar	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	494839	3645863	2.89E-06	2.417YrCar	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	494850	3645863	2.62E-06	2.417YrCar	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	494861	3645863	2.38E-06	2.417YrCar	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	494872	3645863	2.17E-06	2.417YrCar	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	494883	3645863	1.99E-06	2.417YrCar	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	494894	3645863	1.84E-06	2.417YrCar	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	494905	3645863	1.69E-06	2.417YrCar	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	494916	3645863	1.57E-06	2.417YrCar	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	494927	3645863	1.45E-06	2.417YrCar	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	494773	3645883	7.92E-06	2.417YrCar	7.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	494784	3645883	6.42E-06	2.417YrCar	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	494795	3645883	5.37E-06	2.417YrCar	5.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	494806	3645883	4.60E-06	2.417YrCar	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	494817	3645883	4.00E-06	2.417YrCar	4.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

147	ALL	494828	3645883	3.52E-06	2.417YrCar	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	494839	3645883	3.13E-06	2.417YrCar	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	494850	3645883	2.80E-06	2.417YrCar	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	494861	3645883	2.53E-06	2.417YrCar	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	494872	3645883	2.29E-06	2.417YrCar	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	494883	3645883	2.09E-06	2.417YrCar	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	494894	3645883	1.91E-06	2.417YrCar	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	494905	3645883	1.75E-06	2.417YrCar	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	494916	3645883	1.61E-06	2.417YrCar	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	494927	3645883	1.49E-06	2.417YrCar	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	494773	3645903	8.80E-06	2.417YrCar	8.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	494784	3645903	7.05E-06	2.417YrCar	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	494795	3645903	5.85E-06	2.417YrCar	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	494806	3645903	4.96E-06	2.417YrCar	4.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	494817	3645903	4.28E-06	2.417YrCar	4.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	494828	3645903	3.73E-06	2.417YrCar	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	494839	3645903	3.29E-06	2.417YrCar	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	494850	3645903	2.93E-06	2.417YrCar	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	494861	3645903	2.62E-06	2.417YrCar	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	494872	3645903	2.36E-06	2.417YrCar	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	494883	3645903	2.14E-06	2.417YrCar	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	494894	3645903	1.94E-06	2.417YrCar	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	494905	3645903	1.77E-06	2.417YrCar	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	494916	3645903	1.63E-06	2.417YrCar	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	494927	3645903	1.49E-06	2.417YrCar	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	494773	3645923	9.24E-06	2.417YrCar	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	494784	3645923	7.41E-06	2.417YrCar	7.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	494795	3645923	6.13E-06	2.417YrCar	6.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	494806	3645923	5.18E-06	2.417YrCar	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	494817	3645923	4.44E-06	2.417YrCar	4.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	494828	3645923	3.86E-06	2.417YrCar	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	494839	3645923	3.38E-06	2.417YrCar	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	494850	3645923	2.99E-06	2.417YrCar	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	494861	3645923	2.67E-06	2.417YrCar	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	494872	3645923	2.39E-06	2.417YrCar	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	494883	3645923	2.15E-06	2.417YrCar	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	494894	3645923	1.95E-06	2.417YrCar	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	494905	3645923	1.77E-06	2.417YrCar	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	494916	3645923	1.62E-06	2.417YrCar	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	494927	3645923	1.48E-06	2.417YrCar	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	494938	3645923	1.36E-06	2.417YrCar	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	494773	3645943	9.45E-06	2.417YrCar	9.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	494784	3645943	7.58E-06	2.417YrCar	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	494795	3645943	6.25E-06	2.417YrCar	6.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	494806	3645943	5.27E-06	2.417YrCar	5.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	494817	3645943	4.50E-06	2.417YrCar	4.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	494828	3645943	3.90E-06	2.417YrCar	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	494839	3645943	3.41E-06	2.417YrCar	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	494850	3645943	3.00E-06	2.417YrCar	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

196	ALL	494861	3645943	2.66E-06	2.417YrCar	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	494872	3645943	2.38E-06	2.417YrCar	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	494883	3645943	2.13E-06	2.417YrCar	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	494894	3645943	1.92E-06	2.417YrCar	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	494905	3645943	1.74E-06	2.417YrCar	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	494916	3645943	1.58E-06	2.417YrCar	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	494927	3645943	1.44E-06	2.417YrCar	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	494938	3645943	1.32E-06	2.417YrCar	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	494773	3645963	9.45E-06	2.417YrCar	9.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	494784	3645963	7.56E-06	2.417YrCar	7.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	494795	3645963	6.22E-06	2.417YrCar	6.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	494806	3645963	5.23E-06	2.417YrCar	5.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	494817	3645963	4.47E-06	2.417YrCar	4.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	494828	3645963	3.86E-06	2.417YrCar	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	494839	3645963	3.37E-06	2.417YrCar	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	494850	3645963	2.96E-06	2.417YrCar	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	494861	3645963	2.61E-06	2.417YrCar	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	494872	3645963	2.32E-06	2.417YrCar	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	494883	3645963	2.07E-06	2.417YrCar	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	494894	3645963	1.86E-06	2.417YrCar	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	494905	3645963	1.68E-06	2.417YrCar	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	494916	3645963	1.52E-06	2.417YrCar	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	494927	3645963	1.38E-06	2.417YrCar	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	494938	3645963	1.26E-06	2.417YrCar	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	494773	3645983	9.27E-06	2.417YrCar	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	494784	3645983	7.40E-06	2.417YrCar	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	494795	3645983	6.09E-06	2.417YrCar	6.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	494806	3645983	5.13E-06	2.417YrCar	5.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	494817	3645983	4.37E-06	2.417YrCar	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	494828	3645983	3.77E-06	2.417YrCar	3.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	494839	3645983	3.27E-06	2.417YrCar	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	494850	3645983	2.86E-06	2.417YrCar	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	494861	3645983	2.51E-06	2.417YrCar	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	494872	3645983	2.22E-06	2.417YrCar	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	494883	3645983	1.98E-06	2.417YrCar	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	494894	3645983	1.77E-06	2.417YrCar	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	494905	3645983	1.59E-06	2.417YrCar	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	494916	3645983	1.44E-06	2.417YrCar	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	494927	3645983	1.31E-06	2.417YrCar	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	494938	3645983	1.19E-06	2.417YrCar	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	494784	3646003	7.30E-06	2.417YrCar	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	494795	3646003	6.04E-06	2.417YrCar	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	494806	3646003	5.05E-06	2.417YrCar	5.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	494817	3646003	4.26E-06	2.417YrCar	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	494828	3646003	3.62E-06	2.417YrCar	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	494839	3646003	3.11E-06	2.417YrCar	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	494850	3646003	2.69E-06	2.417YrCar	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	494861	3646003	2.35E-06	2.417YrCar	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	494872	3646003	2.07E-06	2.417YrCar	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

245	ALL	494883	3646003	1.84E-06	2.417YrCar	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	494894	3646003	1.64E-06	2.417YrCar	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	494905	3646003	1.48E-06	2.417YrCar	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	494916	3646003	1.33E-06	2.417YrCar	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	494927	3646003	1.21E-06	2.417YrCar	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	494938	3646003	1.10E-06	2.417YrCar	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	494806	3646023	5.03E-06	2.417YrCar	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	494817	3646023	4.03E-06	2.417YrCar	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	494828	3646023	3.33E-06	2.417YrCar	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	494839	3646023	2.81E-06	2.417YrCar	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	494850	3646023	2.42E-06	2.417YrCar	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	494861	3646023	2.10E-06	2.417YrCar	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	494872	3646023	1.86E-06	2.417YrCar	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	494883	3646023	1.66E-06	2.417YrCar	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	494894	3646023	1.48E-06	2.417YrCar	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	494905	3646023	1.34E-06	2.417YrCar	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	494916	3646023	1.21E-06	2.417YrCar	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	494927	3646023	1.10E-06	2.417YrCar	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	494938	3646023	1.01E-06	2.417YrCar	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	494806	3646043	4.14E-06	2.417YrCar	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	494817	3646043	3.30E-06	2.417YrCar	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	494828	3646043	2.76E-06	2.417YrCar	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	494839	3646043	2.35E-06	2.417YrCar	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	494850	3646043	2.04E-06	2.417YrCar	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	494861	3646043	1.77E-06	2.417YrCar	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	494872	3646043	1.61E-06	2.417YrCar	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	494883	3646043	1.45E-06	2.417YrCar	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	494894	3646043	1.31E-06	2.417YrCar	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	494916	3646043	1.09E-06	2.417YrCar	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	494927	3646043	9.96E-07	2.417YrCar	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	494938	3646043	9.16E-07	2.417YrCar	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	494916	3646063	9.69E-07	2.417YrCar	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	494927	3646063	8.96E-07	2.417YrCar	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	494938	3646063	8.29E-07	2.417YrCar	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	494916	3646083	8.54E-07	2.417YrCar	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	494927	3646083	7.96E-07	2.417YrCar	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	494938	3646083	7.42E-07	2.417YrCar	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	494916	3646103	7.59E-07	2.417YrCar	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	494927	3646103	7.12E-07	2.417YrCar	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	494938	3646103	6.68E-07	2.417YrCar	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	494905	3646123	6.95E-07	2.417YrCar	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	494916	3646123	6.71E-07	2.417YrCar	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	494927	3646123	6.34E-07	2.417YrCar	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	494938	3646123	5.99E-07	2.417YrCar	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	494949	3646123	5.71E-07	2.417YrCar	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	494905	3646143	6.13E-07	2.417YrCar	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	494916	3646143	5.96E-07	2.417YrCar	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	494927	3646143	5.66E-07	2.417YrCar	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	494938	3646143	5.38E-07	2.417YrCar	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

294	ALL	494949	3646143	5.15E-07	2.417YrCar	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	494905	3646163	5.31E-07	2.417YrCar	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	494916	3646163	5.20E-07	2.417YrCar	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	494927	3646163	5.02E-07	2.417YrCar	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	494938	3646163	4.83E-07	2.417YrCar	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	494949	3646163	4.62E-07	2.417YrCar	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	494883	3646183	4.53E-07	2.417YrCar	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	494894	3646183	4.86E-07	2.417YrCar	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	494905	3646183	4.71E-07	2.417YrCar	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	494916	3646183	4.56E-07	2.417YrCar	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	494927	3646183	4.41E-07	2.417YrCar	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	494938	3646183	4.26E-07	2.417YrCar	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	494949	3646183	4.11E-07	2.417YrCar	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	494839	3646203	3.93E-07	2.417YrCar	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	494850	3646203	3.89E-07	2.417YrCar	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	494861	3646203	3.90E-07	2.417YrCar	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	494872	3646203	3.99E-07	2.417YrCar	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	494883	3646203	4.07E-07	2.417YrCar	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	494894	3646203	4.17E-07	2.417YrCar	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	494905	3646203	4.09E-07	2.417YrCar	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	494916	3646203	3.99E-07	2.417YrCar	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	494927	3646203	3.89E-07	2.417YrCar	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	494938	3646203	3.79E-07	2.417YrCar	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	494949	3646203	3.68E-07	2.417YrCar	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	494839	3646223	3.58E-07	2.417YrCar	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	494850	3646223	3.56E-07	2.417YrCar	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	494861	3646223	3.53E-07	2.417YrCar	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	494872	3646223	3.52E-07	2.417YrCar	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	494883	3646223	3.50E-07	2.417YrCar	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	494894	3646223	3.48E-07	2.417YrCar	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	494905	3646223	3.51E-07	2.417YrCar	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	494916	3646223	3.47E-07	2.417YrCar	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	494927	3646223	3.41E-07	2.417YrCar	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	494938	3646223	3.34E-07	2.417YrCar	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	494839	3646243	3.06E-07	2.417YrCar	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	494850	3646243	3.07E-07	2.417YrCar	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	494861	3646243	3.07E-07	2.417YrCar	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	494872	3646243	3.10E-07	2.417YrCar	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	494883	3646243	3.09E-07	2.417YrCar	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	494894	3646243	3.09E-07	2.417YrCar	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	494905	3646243	3.08E-07	2.417YrCar	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	494916	3646243	3.06E-07	2.417YrCar	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	494927	3646243	3.01E-07	2.417YrCar	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	494938	3646243	2.95E-07	2.417YrCar	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	494872	3646263	2.71E-07	2.417YrCar	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	494883	3646263	2.72E-07	2.417YrCar	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	494894	3646263	2.72E-07	2.417YrCar	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	494905	3646263	2.72E-07	2.417YrCar	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	494916	3646263	2.69E-07	2.417YrCar	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

343	ALL	494927	3646263	2.65E-07	2.417YrCar	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	494938	3646263	2.62E-07	2.417YrCar	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	494872	3646283	2.37E-07	2.417YrCar	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	494883	3646283	2.37E-07	2.417YrCar	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	494894	3646283	2.36E-07	2.417YrCar	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	494905	3646283	2.34E-07	2.417YrCar	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	494916	3646283	2.33E-07	2.417YrCar	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	494927	3646283	2.31E-07	2.417YrCar	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	494938	3646283	2.29E-07	2.417YrCar	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	494872	3646303	2.07E-07	2.417YrCar	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	494883	3646303	2.08E-07	2.417YrCar	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	494894	3646303	2.09E-07	2.417YrCar	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	494905	3646303	2.08E-07	2.417YrCar	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	494916	3646303	2.08E-07	2.417YrCar	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	494927	3646303	2.06E-07	2.417YrCar	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	494938	3646303	2.05E-07	2.417YrCar	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	494642.6	3645779	2.45E-06	2.417YrCar	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	494675.2	3645781	2.30E-06	2.417YrCar	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	494711.4	3645793	3.13E-06	2.417YrCar	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	494728.1	3645794	3.10E-06	2.417YrCar	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	494745.3	3645797	3.04E-06	2.417YrCar	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	494750	3645849	6.61E-06	2.417YrCar	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	494768.4	3645801	2.85E-06	2.417YrCar	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	494784.5	3645801	2.60E-06	2.417YrCar	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	494802.3	3645804	2.43E-06	2.417YrCar	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	494820.7	3645804	2.18E-06	2.417YrCar	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	494839.7	3645806	1.98E-06	2.417YrCar	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	494854.5	3645811	1.89E-06	2.417YrCar	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	494874.7	3645812	1.69E-06	2.417YrCar	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	494893.7	3645812	1.52E-06	2.417YrCar	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	494905.6	3645818	1.46E-06	2.417YrCar	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	494939.5	3645823	1.23E-06	2.417YrCar	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	494583.8	3646041	1.25E-06	2.417YrCar	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	494571.3	3645977	1.75E-06	2.417YrCar	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	494584.4	3645919	2.84E-06	2.417YrCar	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	494571.3	3645863	2.27E-06	2.417YrCar	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	494527.4	3645916	1.31E-06	2.417YrCar	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	494528.6	3645980	1.03E-06	2.417YrCar	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	494478.7	3645920	8.14E-07	2.417YrCar	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	494486.4	3645855	9.59E-07	2.417YrCar	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	494426.4	3645862	6.23E-07	2.417YrCar	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	494392	3645861	5.06E-07	2.417YrCar	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	494388.4	3645831	5.08E-07	2.417YrCar	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	494431.8	3645837	6.53E-07	2.417YrCar	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	494421.1	3645804	5.99E-07	2.417YrCar	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	494396.1	3645799	5.23E-07	2.417YrCar	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	494502.4	3645746	7.74E-07	2.417YrCar	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	494476.3	3645746	6.62E-07	2.417YrCar	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	494439.5	3645753	5.65E-07	2.417YrCar	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

392	ALL	494425.8	3645709	4.38E-07	2.417YrCar	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	494397.3	3645721	4.21E-07	2.417YrCar	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	494355.2	3645715	3.60E-07	2.417YrCar	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	494319.5	3645705	3.17E-07	2.417YrCar	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	494308.3	3645745	3.34E-07	2.417YrCar	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	494286.3	3645700	2.84E-07	2.417YrCar	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	494321.3	3645668	2.86E-07	2.417YrCar	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	494870.1	3646307	2.02E-07	2.417YrCar	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	494869.1	3646263	2.71E-07	2.417YrCar	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	494832.4	3646261	2.71E-07	2.417YrCar	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	494832.4	3646205	3.92E-07	2.417YrCar	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	494897.2	3646174	5.13E-07	2.417YrCar	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	494907.8	3646091	8.55E-07	2.417YrCar	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	494909.7	3646043	1.15E-06	2.417YrCar	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	494805.3	3646045	4.08E-06	2.417YrCar	4.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	494795.6	3646016	6.22E-06	2.417YrCar	6.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	494769.5	3645992	9.90E-06	2.417YrCar	9.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	494771.5	3645837	4.41E-06	2.417YrCar	4.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	494934.9	3645858	1.37E-06	2.417YrCar	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	494949.4	3646129	5.52E-07	2.417YrCar	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	494948.4	3646311	1.95E-07	2.417YrCar	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	494189.9	3645549	1.57E-07	2.417YrCar	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	494232.5	3645540	1.59E-07	2.417YrCar	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	494454.5	3645606	2.35E-07	2.417YrCar	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	494558.4	3645684	4.45E-07	2.417YrCar	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	494933.1	3645727	7.98E-07	2.417YrCar	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	494937.8	3645559	2.79E-07	2.417YrCar	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	494582	3645516	1.49E-07	2.417YrCar	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	494610.3	3645376	7.01E-08	2.417YrCar	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	494378.9	3645354	7.54E-08	2.417YrCar	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	494114.8	3645356	8.86E-08	2.417YrCar	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	494983.4	3646396	1.21E-07	2.417YrCar	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	494978.7	3645779	8.77E-07	2.417YrCar	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	495021.2	3645788	7.55E-07	2.417YrCar	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	495221.2	3645838	3.46E-07	2.417YrCar	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	495337.7	3645854	2.28E-07	2.417YrCar	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	495345.6	3646341	9.33E-08	2.417YrCar	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	495046.4	3646342	1.47E-07	2.417YrCar	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	495044.8	3646397	1.15E-07	2.417YrCar	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		494162.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
2	ALL		494226.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
3	ALL		494290.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
4	ALL		494354.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
5	ALL		494418.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
6	ALL		494482.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
7	ALL		494546.6	3645391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
8	ALL		494162.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
9	ALL		494226.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
10	ALL		494290.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
11	ALL		494354.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
12	ALL		494418.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
13	ALL		494482.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
14	ALL		494546.6	3645445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
15	ALL		494226.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
16	ALL		494290.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
17	ALL		494354.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
18	ALL		494418.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
19	ALL		494482.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
20	ALL		494546.6	3645500	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
21	ALL		494290.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
22	ALL		494354.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
23	ALL		494418.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
24	ALL		494482.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
25	ALL		494546.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
26	ALL		494610.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
27	ALL		494674.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
28	ALL		494738.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
29	ALL		494802.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
30	ALL		494866.6	3645554	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
31	ALL		494482.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
32	ALL		494546.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
33	ALL		494610.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
34	ALL		494674.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
35	ALL		494738.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
36	ALL		494802.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
37	ALL		494866.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
38	ALL		494930.6	3645609	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
39	ALL		494546.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
40	ALL		494610.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
41	ALL		494674.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
42	ALL		494738.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
43	ALL		494802.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
44	ALL		494866.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
45	ALL		494930.6	3645663	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
46	ALL		494866.6	3645717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
47	ALL		494930.6	3645717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
48	ALL		494994.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04
49	ALL		495058.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
50	ALL		495122.6	3645826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
51	ALL		494802.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03
52	ALL		494866.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
53	ALL		494930.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
54	ALL		494994.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04

55	ALL	495058.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
56	ALL	495122.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
57	ALL	495186.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
58	ALL	495250.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
59	ALL	495314.6	3645881	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
60	ALL	494802.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03
61	ALL	494866.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
62	ALL	494930.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
63	ALL	494994.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
64	ALL	495058.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
65	ALL	495122.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
66	ALL	495186.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
67	ALL	495250.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
68	ALL	495314.6	3645935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
69	ALL	494802.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03
70	ALL	494866.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
71	ALL	494930.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04
72	ALL	494994.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
73	ALL	495058.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
74	ALL	495122.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
75	ALL	495186.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
76	ALL	495250.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
77	ALL	495314.6	3645990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
78	ALL	494930.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04
79	ALL	494994.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
80	ALL	495058.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
81	ALL	495122.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
82	ALL	495186.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
83	ALL	495250.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
84	ALL	495314.6	3646044	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
85	ALL	494930.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
86	ALL	494994.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
87	ALL	495058.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
88	ALL	495122.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
89	ALL	495186.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
90	ALL	495250.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
91	ALL	495314.6	3646099	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
92	ALL	494930.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
93	ALL	494994.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
94	ALL	495058.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
95	ALL	495122.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
96	ALL	495186.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
97	ALL	495250.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
98	ALL	495314.6	3646153	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
99	ALL	494866.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
100	ALL	494930.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
101	ALL	494994.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
102	ALL	495058.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
103	ALL	495122.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
104	ALL	495186.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
105	ALL	495250.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
106	ALL	495314.6	3646208	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
107	ALL	494866.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
108	ALL	494930.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
109	ALL	494994.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04

110	ALL	495058.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
111	ALL	495122.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
112	ALL	495186.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
113	ALL	495250.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
114	ALL	495314.6	3646262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
115	ALL	494994.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
116	ALL	495058.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
117	ALL	495122.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
118	ALL	495186.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
119	ALL	495250.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
120	ALL	495314.6	3646317	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
121	ALL	494994.6	3646371	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
122	ALL	494773	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
123	ALL	494784	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
124	ALL	494795	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
125	ALL	494806	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
126	ALL	494817	3645843	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
127	ALL	494773	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03
128	ALL	494784	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03
129	ALL	494795	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
130	ALL	494806	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
131	ALL	494817	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
132	ALL	494828	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
133	ALL	494839	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
134	ALL	494850	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
135	ALL	494861	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
136	ALL	494872	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
137	ALL	494883	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
138	ALL	494894	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
139	ALL	494905	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04
140	ALL	494916	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04
141	ALL	494927	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04
142	ALL	494773	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-03
143	ALL	494784	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-03
144	ALL	494795	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03
145	ALL	494806	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
146	ALL	494817	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
147	ALL	494828	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
148	ALL	494839	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
149	ALL	494850	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
150	ALL	494861	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
151	ALL	494872	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
152	ALL	494883	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
153	ALL	494894	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
154	ALL	494905	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04
155	ALL	494916	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-04
156	ALL	494927	3645883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04
157	ALL	494773	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-03
158	ALL	494784	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03
159	ALL	494795	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03
160	ALL	494806	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
161	ALL	494817	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
162	ALL	494828	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
163	ALL	494839	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
164	ALL	494850	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03

165	ALL	494861	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
166	ALL	494872	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
167	ALL	494883	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
168	ALL	494894	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
169	ALL	494905	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
170	ALL	494916	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04
171	ALL	494927	3645903	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04
172	ALL	494773	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-03
173	ALL	494784	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-03
174	ALL	494795	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
175	ALL	494806	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-03
176	ALL	494817	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
177	ALL	494828	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
178	ALL	494839	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
179	ALL	494850	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
180	ALL	494861	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
181	ALL	494872	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
182	ALL	494883	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
183	ALL	494894	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
184	ALL	494905	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
185	ALL	494916	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04
186	ALL	494927	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
187	ALL	494938	3645923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04
188	ALL	494773	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03
189	ALL	494784	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03
190	ALL	494795	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-03
191	ALL	494806	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
192	ALL	494817	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03
193	ALL	494828	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
194	ALL	494839	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
195	ALL	494850	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
196	ALL	494861	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
197	ALL	494872	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
198	ALL	494883	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
199	ALL	494894	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
200	ALL	494905	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04
201	ALL	494916	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04
202	ALL	494927	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04
203	ALL	494938	3645943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04
204	ALL	494773	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03
205	ALL	494784	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03
206	ALL	494795	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-03
207	ALL	494806	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
208	ALL	494817	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03
209	ALL	494828	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
210	ALL	494839	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
211	ALL	494850	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
212	ALL	494861	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
213	ALL	494872	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
214	ALL	494883	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
215	ALL	494894	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
216	ALL	494905	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04
217	ALL	494916	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
218	ALL	494927	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
219	ALL	494938	3645963	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04

220	ALL	494773	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-03
221	ALL	494784	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-03
222	ALL	494795	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
223	ALL	494806	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
224	ALL	494817	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
225	ALL	494828	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
226	ALL	494839	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
227	ALL	494850	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
228	ALL	494861	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
229	ALL	494872	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
230	ALL	494883	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
231	ALL	494894	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
232	ALL	494905	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04
233	ALL	494916	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04
234	ALL	494927	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04
235	ALL	494938	3645983	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04
236	ALL	494784	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-03
237	ALL	494795	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03
238	ALL	494806	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03
239	ALL	494817	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
240	ALL	494828	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
241	ALL	494839	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
242	ALL	494850	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
243	ALL	494861	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
244	ALL	494872	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
245	ALL	494883	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
246	ALL	494894	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
247	ALL	494905	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
248	ALL	494916	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04
249	ALL	494927	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04
250	ALL	494938	3646003	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
251	ALL	494806	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
252	ALL	494817	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
253	ALL	494828	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
254	ALL	494839	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
255	ALL	494850	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
256	ALL	494861	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
257	ALL	494872	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
258	ALL	494883	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04
259	ALL	494894	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04
260	ALL	494905	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04
261	ALL	494916	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
262	ALL	494927	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
263	ALL	494938	3646023	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
264	ALL	494806	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
265	ALL	494817	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
266	ALL	494828	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
267	ALL	494839	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
268	ALL	494850	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
269	ALL	494861	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
270	ALL	494872	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04
271	ALL	494883	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04
272	ALL	494894	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04
273	ALL	494916	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
274	ALL	494927	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04

275	ALL	494938	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
276	ALL	494916	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
277	ALL	494927	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
278	ALL	494938	3646063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
279	ALL	494916	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
280	ALL	494927	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
281	ALL	494938	3646083	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
282	ALL	494916	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
283	ALL	494927	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
284	ALL	494938	3646103	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
285	ALL	494905	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
286	ALL	494916	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
287	ALL	494927	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
288	ALL	494938	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
289	ALL	494949	3646123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
290	ALL	494905	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
291	ALL	494916	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
292	ALL	494927	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
293	ALL	494938	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
294	ALL	494949	3646143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
295	ALL	494905	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
296	ALL	494916	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
297	ALL	494927	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
298	ALL	494938	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
299	ALL	494949	3646163	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
300	ALL	494883	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
301	ALL	494894	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
302	ALL	494905	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
303	ALL	494916	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
304	ALL	494927	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
305	ALL	494938	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
306	ALL	494949	3646183	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
307	ALL	494839	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
308	ALL	494850	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
309	ALL	494861	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
310	ALL	494872	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
311	ALL	494883	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
312	ALL	494894	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
313	ALL	494905	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
314	ALL	494916	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
315	ALL	494927	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
316	ALL	494938	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
317	ALL	494949	3646203	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
318	ALL	494839	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
319	ALL	494850	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
320	ALL	494861	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
321	ALL	494872	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
322	ALL	494883	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
323	ALL	494894	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
324	ALL	494905	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
325	ALL	494916	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
326	ALL	494927	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
327	ALL	494938	3646223	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
328	ALL	494839	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
329	ALL	494850	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04

330	ALL	494861	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
331	ALL	494872	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
332	ALL	494883	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
333	ALL	494894	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
334	ALL	494905	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
335	ALL	494916	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
336	ALL	494927	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
337	ALL	494938	3646243	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
338	ALL	494872	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
339	ALL	494883	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
340	ALL	494894	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
341	ALL	494905	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
342	ALL	494916	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
343	ALL	494927	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
344	ALL	494938	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
345	ALL	494872	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
346	ALL	494883	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
347	ALL	494894	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
348	ALL	494905	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
349	ALL	494916	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
350	ALL	494927	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
351	ALL	494938	3646283	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
352	ALL	494872	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
353	ALL	494883	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
354	ALL	494894	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
355	ALL	494905	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
356	ALL	494916	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
357	ALL	494927	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
358	ALL	494938	3646303	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
359	ALL	494642.6	3645779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
360	ALL	494675.2	3645781	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
361	ALL	494711.4	3645793	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
362	ALL	494728.1	3645794	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
363	ALL	494745.3	3645797	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
364	ALL	494750	3645849	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03
365	ALL	494768.4	3645801	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
366	ALL	494784.5	3645801	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
367	ALL	494802.3	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
368	ALL	494820.7	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
369	ALL	494839.7	3645806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
370	ALL	494854.5	3645811	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
371	ALL	494874.7	3645812	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04
372	ALL	494893.7	3645812	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04
373	ALL	494905.6	3645818	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04
374	ALL	494939.5	3645823	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04
375	ALL	494583.8	3646041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
376	ALL	494571.3	3645977	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04
377	ALL	494584.4	3645919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
378	ALL	494571.3	3645863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
379	ALL	494527.4	3645916	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04
380	ALL	494528.6	3645980	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04
381	ALL	494478.7	3645920	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
382	ALL	494486.4	3645855	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
383	ALL	494426.4	3645862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
384	ALL	494392	3645861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04

385	ALL	494388.4	3645831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
386	ALL	494431.8	3645837	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
387	ALL	494421.1	3645804	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
388	ALL	494396.1	3645799	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
389	ALL	494502.4	3645746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
390	ALL	494476.3	3645746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
391	ALL	494439.5	3645753	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
392	ALL	494425.8	3645709	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
393	ALL	494397.3	3645721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
394	ALL	494355.2	3645715	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
395	ALL	494319.5	3645705	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
396	ALL	494308.3	3645745	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
397	ALL	494286.3	3645700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
398	ALL	494321.3	3645668	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
399	ALL	494870.1	3646307	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
400	ALL	494869.1	3646263	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
401	ALL	494832.4	3646261	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
402	ALL	494832.4	3646205	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
403	ALL	494897.2	3646174	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
404	ALL	494907.8	3646091	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
405	ALL	494909.7	3646043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04
406	ALL	494805.3	3646045	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
407	ALL	494795.6	3646016	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03
408	ALL	494769.5	3645992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-03
409	ALL	494771.5	3645837	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-03
410	ALL	494934.9	3645858	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04
411	ALL	494949.4	3646129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
412	ALL	494948.4	3646311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
413	ALL	494189.9	3645549	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
414	ALL	494232.5	3645540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
415	ALL	494454.5	3645606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
416	ALL	494558.4	3645684	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
417	ALL	494933.1	3645727	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
418	ALL	494937.8	3645559	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
419	ALL	494582	3645516	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
420	ALL	494610.3	3645376	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
421	ALL	494378.9	3645354	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
422	ALL	494114.8	3645356	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
423	ALL	494983.4	3646396	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
424	ALL	494978.7	3645779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
425	ALL	495021.2	3645788	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
426	ALL	495221.2	3645838	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
427	ALL	495337.7	3645854	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
428	ALL	495345.6	3646341	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
429	ALL	495046.4	3646342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
430	ALL	495044.8	3646397	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05

Appendix C

Biological Resources Technical Report for the Harmon Ranch Project

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February 28, 2023 14452

Mr. David W. Shepherd
Director of Entitlements
Lennar – San Diego Division
16465 Via Esprillo, Suite 150
San Diego, California 92127

Subject: Biological Resources Technical Report for the Harmon Ranch Project, City of Poway, California

Dear Mr. Shepherd:

This biological resources letter report summarizes the existing biological conditions for the proposed residential development of the Harmon Ranch Project (project) site in the City of Poway, California. This report also describes and analyzes the results of the biological assessment conducted for the site, including general assessment of existing site conditions, vegetation and land cover mapping, rare plant survey, preliminary jurisdictional resources assessment, and an assessment for the presence of suitable habitat for special-status plant and animal species recognized by local, state, or federal wildlife agencies. Additionally, this report provides an analysis of direct and indirect impacts based on the proposed development scenario, analyzes the biological significance of the site with respect to regional biological resource planning, describes the impact controls that will avoid impacts to biological resources, and includes mitigation measures that will reduce significant biological impacts to a less-than-significant level consistent with federal, state, and local regulations. The project and potential impacts to special-status biological resources are analyzed in the context of the Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan.

1 Project Location

The project site is located along either side of Oak Knoll Road between Pomerado Road, which is slightly west of the site, and Carriage Road, which is slightly east. Poway Road is slightly north of the site, and Poway Creek runs east–west through the southern portion of the site, near the border. The project site is in the City of Poway, California (see Figure 1, Project Location). Much of the site is surrounded by residential development, except commercial development and open space associated with the Kumeyaay Ipai Interpretive Center to the north. The site is located approximately 2.75 miles east of Interstate 15. The project site is located within Township 14S, Range 2 West, and Section 14 on the Poway U.S. Geological Survey 7.5-minute quadrangle map (Figure 1); the approximate centroid of the site is longitude −117.05690° W and latitude 32.95181° N.

1.1 Site Description

The approximately 10.73-acre biological study area is divided into two parts; the larger parcel is located north of Oak Knoll Road and is approximately 8.91 acres and the smaller parcel is located south of Oak Knoll Road and is approximately 1.81 acres. Throughout the site topography ranges from about 440 to 510 feet

above mean sea level. The northern portion of the project site recently contained an San Diego Gas & Electric storage yard and several small, uninhabited buildings. There is also a small drainage that runs through the northwestern corner of the site, which has steep drops at the associated cement culverts at either end; one culvert is along the western project boundary and the other is along the northern project boundary. Also associated with the drainage is disturbed riparian and disturbed wetland habitat. The remainder of the northern portion of the project site consists primarily of disturbed habitat including non-native, invasive, and ornamental plant species.

The southern portion of the project boundary contains a small uninhabited residence and disturbed habitat adjacent to Oak Knoll Road. Further into the site, there are large stands of invasive arundo that surround Poway Creek, which runs east–west through the southern portion of the project site. Also along Poway Creek there is disturbed riparian habitat with a high proportion of non-native invasive plant species.

1.2 Soils

Four soils series are mapped on the project site: Placentia sandy loam, 2% to 9% slopes; Olivenhain cobbly loam, 2% to 9% slopes; Cieneba rocky coarse sandy loam, 9% to 30% slopes, and Visalia sandy loam, 0% to 2% slopes (USDA 2022a). Placentia soils are extensive and are well or moderately well drained, with slow to rapid runoff and very slow permeability. They are also nearly level to moderately sloping and are on fans and terraces at elevations of 50 to 2,500 feet. They formed in alluvium from granite and other rocks of similar composition and texture. Within the site, Placentia soils are located throughout the majority of the northern parcel, as well as most of the northern half of the southern parcel. Olivenhain soils are well drained, with slow or medium runoff and very slow permeability. They are gently sloping to strongly sloping and are on dissected marine terraces at elevations of 100 to 600 feet. Within the site, Olivenhain soils are located within the northern portion of the northern parcel. The Cieneba series consists of very shallow and shallow somewhat excessively drained soils that formed in material weathered from granitic rock. Cieneba soils are at elevations of 500 to 4,000 feet (USDA 2022a). Within the site, Cieneba soils are located in a very small part of the extreme northeastern corner of the northern parcel, which is the highest elevation on site. Visalia sandy loam, also known as Akers series, consists of very deep, well drained soils formed in alluvium derived from granitic rock with negligible runoff and moderate permeability. Akers soils are often found on terraces. Within the site, Visalia soils are found throughout the entire southern portion of the southern parcel around Poway Creek.

2 Project Description

Lennar Homes of California LLC (Applicant) is proposing a residential neighborhood on an approximate 11.5-acre project site (this number is slightly higher than the acreage total used throughout this biological technical report, as the already paved Oak Knoll Road was not included in the developed land cover calculations). The project site is comprised of approximately 5.7 acres designated for residential development, 3.2 acres of open space, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes. The proposed project density (8.8 units/acre) is slightly higher than the density permitted in the existing RS-7 designation. Primary access to the project site is planned via existing Oak Knoll Road. Of the 63 homes, 59 are proposed to front newly constructed private streets, while 4 homes and an open space/overlook area would front existing Oak Knoll Road.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of 63 single-family homes. The Harmon Ranch Specific Plan will establish three land use districts within the project site: Residential Single Family (R-S), Open Space (OS), and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district. No development is being proposed within the potential jurisdictional features.

The proposed project is comprised of 63 single-family homes on lots 42 feet wide and 85 to 90 feet deep, with standard two-car garages and 20-foot-deep driveways to accommodate off-street parking within the private lots and private fenced rear yards. The proposed project also includes 40 guest parking spaces along the private streets, approximately 1.0 acre of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas, and a segment of the General Plan Community Trail (approximately 1,000 feet) connecting the project site to the adjacent retail area located to the north. The overlook area located in the south portion of the project site is planned to provide public access and will be privately maintained.

3 Regulatory Setting

The following federal, state, and city agencies and programs regulate activities within waters, wetlands, and riparian areas throughout California: U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), Regional Water Quality Control Board (RWQCB), the California Coastal Commission, Multiple Habitat Conservation Program (MHCP), and the City of Poway. The USACE Regulatory Program regulates activities in jurisdictional resources (i.e., wetlands and waters) under Section 404 of the Clean Water Act (CWA). CDFW regulates activities in wetlands and non-wetland waters under Sections 1600–1616 of the California Fish and Game Code. The RWQCB regulates activities in wetlands and non-wetland waters exhibiting surface water under Section 401 of the CWA and the Porter–Cologne Water Quality Control Act (Porter–Cologne Act).

Portions of the site described in this report are subject to resource agency jurisdiction over potential waters of the United States or wetlands associated with features within and adjacent to the project site. Descriptions of resource agency jurisdictions are provided in Sections 3.1 through 3.4.

3.1 U.S. Army Corps of Engineers

USACE regulates "discharge of dredged or fill material" into waters of the United States, which, pursuant to provisions of Section 404 of the CWA, include tidal waters, interstate waters, and all other waters that are part of a tributary system to interstate waters or to navigable waters of the United States, the use, degradation, or destruction of which could affect interstate or foreign commerce. Within rivers and stream systems, the limits of USACE jurisdiction extend to the ordinary high water mark. The USACE-jurisdictional wetlands as defined in the U.S. Army Corps of Engineers Wetland Delineation Manual (USACE 1987), the Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008), and the Rapanos Guidance (USACE and EPA 2008) is determined by the presence of three parameters: (1) supporting a predominance of hydrophytic vegetation, (2) presence of hydric (i.e., anaerobic) soils, and (3) on-site evidence of hydrology.

3.2 California Department of Fish and Wildlife

In accordance with Section 1600 et seq. of the California Fish and Game Code (Streambed Alteration), CDFW regulates activities that "will substantially divert, obstruct, or substantially change the natural flow or bed, channel or bank, of any river, stream, or lake designated by the CDFW in which there is at any time an existing fish or wildlife resource or from which these resources derive benefit." CDFW takes jurisdiction to the top of bank of a stream or the limit of the adjacent riparian vegetation. In Title 14 of the California Code of Regulations, Part 1.72, CDFW defines a "stream" (including creeks and rivers) as "a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation."

Diversion, obstruction, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake that supports fish or wildlife requires authorization from CDFW by means of entering into an agreement pursuant to Section 1602 of the California Fish and Game Code. CDFW may assert jurisdiction to adjacent wetlands areas (i.e., where there is a predominance of hydrophytic vegetation) that provide habitat for native species. Lakes, rivers, and streambeds, including any associated riparian habitat, are subject to regulation by CDFW pursuant to the California Fish and Game Code. Often, CDFW-jurisdictional streambeds and riparian areas are synonymous with waters of the United States, including wetlands, under USACE and RWQCB jurisdiction.

Under Section 3503 of the California Fish and Game Code, it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.3 of the California Fish and Game Code prohibits take, possession, or destruction of any birds in the orders Falconiformes (raptors) or Strigiformes (owls), or of their nests and eggs.

3.3 Regional Water Quality Control Board

The RWQCB regulates discharging waste, or proposing to discharge waste, within any region that could affect the waters of the state (California Water Code Section 13260[a]), pursuant to provisions of the Porter–Cologne Act. "Waters of the state" are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" (California Water Code Section 13050[e]). Although the Porter–Cologne Act definition of waters of the state may not apply on federally owned land, the RWQCB may still assert jurisdiction over qualifying aquatic resources on land owned by the United States where CWA Section 401 applies.

3.4 Local Regulations

Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan

The Poway Subarea Habitat Conservation Plan/Natural Community Conservation Plan (Poway Subarea HCP/NCCP) serves two general functions (Ogden 1996):

1. To create a sustainable interconnected network of habitat preserves throughout and ultimately beyond the City, and thus maintain functioning ecosystems and viable populations of biological resources.
2. To mitigate adverse impacts to biological resources from building the Scripps Poway Parkway Extension and implement the Poway General Plan and Paguay Redevelopment Plan.

The Poway Subarea HCP/NCCP is implemented primarily through the City's established land use regulatory process supplemented by new implementation regulations tailored to the plan's conservation objectives. The Poway Subarea HCP/NCCP also defines mitigation requirements for development projects inside and outside of a specified Mitigation Area, and methods for funding land acquisitions and preserve management within the Mitigation Area. The project site does not fall within the Poway Subarea HCP/NCCP Mitigation Area (Ogden 1996).

The project site is not located within the Poway Mitigation Area. This is due to the highly developed surroundings adjacent to the property and its isolation from adjacent undeveloped habitat areas by residential and commercial development. Both of these factors contribute to the project site not being an important wildlife linkage or containing critical habitat for regional species.

The proposed project therefore does not interfere with the City of Poway Subarea HCP, and the project would not interfere with long-range planning efforts.

4 Methods

Data regarding biological resources present in the project area were obtained through field reconnaissance and a review of pertinent literature; both are described in detail in Sections 4.1 through 4.6.

4.1 Literature Review

Special-status biological resources present or potentially present in the site were identified through a literature search conducted in 2021 and 2022 for the project site. The following sources were used during the literature review process.

- U.S. Fish and Wildlife Service National Wetlands Inventory geographic information system (GIS) data (USFWS 2022a) was accessed and reviewed April 2022.
- U.S. Fish and Wildlife Service Critical Habitat and Occurrence Data (USFWS 2022a) was consulted for data within 1 mile of the site.
- California Natural Diversity Database (CDFW 2022a) was queried to compile a list of potentially occurring special-status plants and wildlife in the Poway quadrangle and surrounding eight quadrangles.
- California Native Plant Society (CNPS) Inventory of Rare, Threatened, and Endangered Plants of California, 8th online edition (CNPS 2022), was searched to compose a list of potentially occurring flora in the Poway quadrangle and surrounding eight quadrangles.

4.2 Field Reconnaissance

Dudek Biologist Shana Carey conducted a general biological reconnaissance survey, vegetation mapping, and general jurisdictional assessment on November 30, 2021 (Table 1). No focused surveys were conducted. An additional visit was conducted with Hunsaker surveyors on December 15 to define the boundary of the potentially jurisdictional limits. A rare plant survey was conducted on April 20, 2022, by Charles Adams. Survey dates and conditions are listed in Table 1 and survey methods are described in the following sections.

Table 1. Survey Conditions

Date	Time	Staff	Survey Type	Survey Conditions
11/30/21	0900–1300	Shana Carey	General, reconnaissance survey, vegetation mapping, general jurisdictional assessment	62°F–74°F; 0%–20% cloud cover; 1–3 mph wind
12/15/21	0800–1000	Shana Carey	Jurisdictional resource boundary delineation with Hunsaker	59°F; 10% cloud cover, 0–1 mph winds
04/20/22	0706–1051	Charles Adams	Rare plant survey	65°F–70°F, 0%–10% cc, 0–4 mph winds

Notes: °F = degrees Fahrenheit; mph = miles per hour.

4.3 Vegetation Community and Land Cover Mapping

Vegetation community classifications used in this report follow Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986), as modified by the County and noted in Draft Vegetation Communities of San Diego County (Oberbauer et al. 2008). Land covers on site were mapped in the field directly onto a 100-scale (1 inch = 100 feet) topographic base. Dudek GIS specialists digitized the mapped vegetation communities and jurisdictional resource boundaries into a GIS coverage using ArcGIS software.

The minimum mapping unit (MMU) utilized was 0.25 acres, meaning that breaks in the vegetation under 0.25 acres were not mapped as their own vegetation community. This 0.25-acre MMU is derived from the Survey of California Vegetation Classification and Mapping Standards Mapping, which states that MMUs vary with project size but are typically between 1 and 2 acres, with a 0.25-acre MMU typical for more sensitive communities such as wetlands (CDFW 2020). There are many plant species that can occur within a variety of vegetation communities. Therefore, an MMU helps to establish breaks in the vegetation communities where percent cover and assemblage of plant species result in a vegetation community change. The exception to this MMU was the mapping of riparian vegetation within the project site, which was mapped regardless of size.

4.4 Jurisdictional Aquatic Resources

A general jurisdictional assessment was conducted within the project boundary to identify areas under the jurisdiction of CDFW, pursuant to Section 1602 of the California Fish and Game Code; under the jurisdiction of USACE, pursuant to Section 404 of the federal CWA; and under the jurisdiction of the RWQCB, pursuant to CWA Section 401 and the Porter–Cologne Act.

Two drainages occur within the project site. One occurs in the northwestern corner of the site where water enters from a large cement culvert along the northern border and travels southwest, where it exits the site through another large cement culvert along the western border of the site. The western culvert has riprap installed along the edges of it, but much of the drainage looks to be earthen-bottom and heavily overgrown by thick riparian vegetation.

The other drainage is Poway Creek, which runs through the site east–west parallel to the southern border of the site. At the time of the site visit there was flowing fresh water in the creek. Running parallel to the creek on the south side, there is a flat, open area about 40–70 feet wide with very low growing, disturbed vegetation, which likely functions as a sort of floodplain for the creek during storm events. Immediately south of this is a large concrete

channel wall (approximately 6–7 feet high) that runs parallel to the creek and likely helps to contain the creek during heavy storm events. This is also where the southern site boundary is located. These features may be regulated by USACE, the RWQCB, and CDFW. No development is being proposed within the potential jurisdictional features; therefore, a full jurisdictional delineation was not conducted.

4.5 Plants

All native and naturalized plant species encountered on the project site were identified and recorded. Scientific and common names for plant species with a California Rare Plant Rank (formerly CNPS List) follow the CNPS Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2022). For plant species without a California Rare Plant Rank, scientific names follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2022) and common names follow the U.S. Department of Agriculture Natural Resources Conservation Service Plants Database (USDA 2022b). A cumulative list of plant species observed in the project site is presented in Appendix A. This list is not all-inclusive in that it does not include a comprehensive list of all the ornamental species observed.

4.6 Wildlife

The entire site was surveyed to identify and record all wildlife species, as detected by sight, calls, tracks, scat, or other signs. Binoculars (7×50 power) were used to aid in the identification of observed wildlife. In addition to species observed, expected wildlife use of the site was determined according to known habitat preferences of regional wildlife species and knowledge of their relative distributions in the area. No trapping or focused surveys for special-status or nocturnal species were conducted. Latin and common names of animals follow Crother (2017) for reptiles and amphibians, American Ornithological Society (AOS 2018) for birds, Wilson and Reeder (2005) for mammals, and North American Butterfly Association (NABA 2016) or San Diego Natural History Museum (SDNHM 2002) for butterflies. A cumulative list of wildlife species observed within the site is presented in Appendix B.

5 Special-Status Species and/or Regulated Resources

Special-status biological resources are defined as follows: (1) species that have been given special recognition by federal, state, or local conservation agencies and organizations due to limited, declining, or threatened population sizes; (2) species and habitat types recognized by local and regional resource agencies as special status; (3) habitat areas or vegetation communities that are unique, are of relatively limited distribution, or are of particular value to wildlife; (4) wildlife corridors and habitat linkages; or (5) biological resources that may or may not be considered special status, but are regulated under local, state, and/or federal laws. Appendix C includes a list of special-status plants and their potential to occur on site and Appendix D includes a list of special-status wildlife species and their potential to occur on site.

Dudek conducted a focused survey for sensitive plants. No focused surveys were conducted for sensitive wildlife species such as coastal California gnatcatcher (*Polioptila californica californica*), least Bell's vireo (*Vireo bellii pusillus*), or southwestern willow flycatcher (*Empidonax traillii extimus*) as the proposed development footprint, site conditions, and site surroundings did not warrant them. There were no incidental detections of any sensitive wildlife species, either through sight, calls, tracks, scat, or other signs. A summary of the dates and site conditions for the field efforts performed as part of this biological report are presented above in Table 1. The following sections provide specific details regarding each survey.

5.1 Focused Survey for Sensitive Plants

A focused survey for sensitive plant species was conducted on April 20, 2022, by Dudek Biologist Charles Adams (Table 1). Prior to field surveys, distribution information for sensitive plant species potentially occurring within the project area was reviewed.

Field survey methods and mapping of sensitive plants generally conformed to CNPS Botanical Survey Guidelines (CNPS 2001), General Rare Plant Survey Guidelines (Cypher 2002), and Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities (CDFW 2018).

6 Results

6.1 Vegetation Communities and Land Covers

There are a total of seven vegetation communities and land cover types throughout the site. Of these, five are predominantly non-native vegetation communities and land covers, including disturbed habitat, arundo-dominated riparian, non-native riparian, disturbed wetland, and urban/developed. There are two native land covers present within the project site: fresh water (Poway Creek) and southern willow scrub (both of which are assumed regulated by USACE, RWQCB, CDFW, and the City of Poway). Acreages of vegetation communities and land covers are listed in Table 2, and their spatial distribution is depicted in Figure 2, Biological Resources.

Table 2. Vegetation Communities and Land Covers within the Project Site

Vegetation Community/Land Cover	Habitat Code	Acreage
Non-Native Vegetation Communities, Land Covers, and Unvegetated Habitat		
Disturbed Wetland	11200	0.18
Disturbed Habitat	11300	7.94
Urban/Developed	12000	1.45
Non-native Riparian	65000	0.59
Arundo-dominated Riparian	65100	0.40
Native Vegetation Community		
Southern Willow Scrub	63320	0.02
Fresh Water	64140	0.14
	Total	**10.73**

Disturbed Wetland

According to Holland (1986), this habitat type is common throughout San Diego County and includes portions of wetlands with artificial structures such as concrete linings, culverts, barricades, and riprap. It includes areas that are permanently or periodically inundated by water that have been significantly modified by human activity.

Within the site, the area mapped as disturbed wetland habitat is present within the drainage that runs through the northwestern corner of the northern parcel and encompasses approximately 0.18 acres. During the initial site

reconnaissance visit, there was a small amount of water in the drainage. The dominant species within this habitat on site include broadleaf cattail (*Typha latifolia),* Mexican fan palm (*Washingtonia robusta*), willows (*Salix sp.*), and castor bean (*Ricinus communis*).

Disturbed Habitat

Disturbed habitat refers to areas that are not developed but are no longer recognizable as a native or naturalized vegetation association, but continue to retain a soil substrate. This habitat is generally the result of severe or repeated mechanical perturbation, often with heavily disturbed, compacted soils.

Within the site, disturbed habitat is the most common habitat type and encompasses approximately 7.94 acres. It is located around the San Diego Gas & Electric storage yard and the northeastern corner of the northern parcel, as well as the northern and southern portions of the southern parcel. Vegetation in this area contains mostly ruderal, non-native species such as iceplant (*Carpobrotus edulis*), Russian thistle (*Salsola tragus*), white horehound *(Marrubium vulgare*), Australian saltbush *(Atriplex semibaccata*), Scutch grass (*Cynodon dactylon*), fountaingrass (*Pennisetum setaceum*), cheeseweed mallow (*Malva parviflora*), stinkwort (*Dittrichia graveolens*), doveweed (*Croton setiger*), western ragweed (*Ambrosia psilostachya*), horseweed (*Erigeron canadensis*), common dandelion (*Taraxacum officinale*), Maltese star-thistle (*Centaurea melitensis*), shortpod mustard (*Hirschfeldia incana*), and wild oat (*Avena fatua*) and various brome species.

Urban/Developed Land

Developed land consists of areas that have been constructed upon and typically consists of buildings, structures, homes, and maintained areas with paved or other impermeable surfaces. Developed areas do not support native vegetation. Ornamental plantings often tend to occur in and around developments and are therefore included within the developed land cover category.

Within the site, developed areas encompass approximately 1.45 acres and are present throughout the majority of the northern parcel as the San Diego Gas & Electric staging yard and buildings along Oak Knoll Road. Within the southern parcel, developed land is present within the northeastern corner also along Oak Knoll Road.

Fresh Water

According to Holland (1986), this unvegetated habitat type is characterized by year-round water bodies of fresh water that have very low salinity, typically in the form of lakes, streams, ponds, or rivers. There is also minimal vegetative cover (less than 10%) associated with this habitat type.

The area mapped as fresh water occurs within the southern portion of the site as Poway Creek. The creek flows east to west and runs parallel to Oak Knoll Road. There is some vegetation present within and along the edge of the creek including broadleaf cattail; however, during storm events this creek often floods and the high velocity of water frequently uproots, washes away, or flattens vegetation.

Non-Native Riparian

According to Holland (1986), this habitat type is common along major rivers of coastal Southern California and is found in a variety of wetland habitats where there has been previous disturbance. It is characterized by densely vegetated riparian thickets dominated by non-native, invasive species, where these species account for greater than 50% of the total vegetative cover.

Within the site, the area mapped as non-native riparian is about 0.59 acres and includes the area along both sides of the drainage in the northwestern corner of the site, as well as an area adjacent to Poway Creek in the southern portion of the site. The dominant species within this habitat on-site include Mexican fan palm, willows, castor bean, Fremont cottonwood (*Populus fremontii)*, Brazilian peppertree (*Schinus molle*), Peruvian peppertree (*Schinus terebinthifolius*), and pampas grass (*Cortaderia jubata*).

Arundo-Dominated Riparian

According to Holland (1986), arundo-dominated riparian is characterized by densely vegetated riparian thickets dominated almost exclusively by giant reed (*Arundo donax*), often in areas with loose, sandy, or fine alluvium near stream channels. This designation should only be used in environments where this species accounts for at least 50% of the total vegetative cover.

Within the site, arundo-dominated riparian habitat is only present in the southern portion of the site north of Poway Creek but south of the disturbed habitat and encompasses approximately 0.4 acres.

Southern Willow Scrub

According to Holland (1986), southern willow scrub has been described as a dense, broad-leaved, winter-deciduous riparian thicket dominated by several species of willow, with scattered emergent Fremont cottonwood and western sycamore (*Platanus racemosa*). Most stands are too dense to allow much understory development. This habitat is considered seral due to repeated disturbance/flooding and is therefore unable to develop into the taller southern cottonwood–willow riparian forest.

Southern willow scrub on site is limited to the overgrowth of arroyo willows (*Salix lasiolepis*) and red willows (*Salix laevigata*) associated with the adjacent off-site drainage. The canopy of the willows in the off-site drainage extends over the chain-link fence along the northern property boundary and encroaches onto the northern portion of the project site. Beneath the portions of the willow canopy on site, the understory is relatively limited and includes species found in the adjacent disturbed area, such as hottentot fig (*Carpobrotus edulis*). This area totals 0.02 acres on site.

6.2 Plants and Wildlife

A total of 108 species of vascular plants, 41 native and 67 non-native species, were recorded during the biological reconnaissance survey (Appendix B). The diversity of native plant species is low due to the historical use of the site for residential, commercial, and industrial purposes and operations, as well as the urban setting of the vicinity. This list does not include a comprehensive list of all the ornamental species observed.

A total of 18 wildlife species were recorded in the site during the surveys (Appendix C). The wildlife species observed are generally common, disturbance-adapted species typically found in urban and suburban settings, such as Anna's hummingbird (*Calypte anna*), American crow (*Corvus brachyrhynchos*), house finch (*Haemorhous mexicanus*), and mourning dove (*Zenaida macroura*). One mammal species was observed within the site—brush rabbit (*Sylvilagus bachmani*). One reptile species was observed during the survey—western fence lizard (*Sceloporus occidentalis*). There is minimal suitable habitat for small non-avian wildlife species (e.g., reptiles, amphibians, and small mammals) within the site due to the disturbed nature of the site, proximity to residential/urban land cover, and limited connectivity of the surrounding habitat to larger expanses of native lands.

No raptor nests were detected on or adjacent to the project area; however, some of the larger trees on site and along the project boundary could potentially support raptor nests.

6.3 Special-Status Species

A search of CNPS and California Natural Diversity Database records was utilized to develop matrices of special-status plant and wildlife species that may have potential to occur on site due to the presence of suitable habitat (taking into consideration vegetation communities, soils, elevation, and geographic range, life form/blooming period, etc.). These two matrices of special-status plant and wildlife species (i.e., federally, state, or locally listed species), their favorable habitat conditions, and their potential to occur on site based on the findings of the field investigations are presented in Appendices C and D, respectively. Species covered under the San Diego Multiple Species Conservation Plan and MHCP are also included in these appendices.

There is no federally designated critical habitat (USFWS 2022b) located within the project site.

6.3.1 Special-Status Plant Species

No plant species listed or proposed for listing as rare, threatened, or endangered by either CDFW or the U.S. Fish and Wildlife Service were detected on site. No plant species considered special status by CNPS were observed.

Appendix C lists special-status plant species that may occur in the vicinity of the site (CDFW 2022b, 2022c; CNPS 2022; USFWS 2022b) or are covered under the Habitat Conservation Plan/Natural Community Conservation Plan. For each species listed, a determination is made regarding the potential for the species to occur on site based on information gathered during the field reconnaissance including the location of the site, habitats or land covers present, current site conditions, historical land use, soils, and topography. No species were determined to have a moderate or high potential to occur given the lack of suitable habitat and disturbed nature of the site.

6.3.2 Special-Status Wildlife Species

Appendix D lists special-status wildlife species that are known to occur in the vicinity of the site (CDFW 2022d, 2022e; USFWS 2022b) or are covered under the Multiple Species Conservation Plan and/or MHCP. No federally or state-listed species or other special-status species were observed during any of the site visits. No species were determined to have a moderate or high potential to occur given the lack of suitable habitat and disturbed nature of the site.

Other special status species that have not been detected on site, but have a low to moderate potential to occur include Cooper's hawk *(Accipiter cooperii)*, Costa's hummingbird (*Calypte costae*), white-tailed kite (*Elanus leucurus),* vermilion flycatcher (*Pyrocephalus rubinus),* yellow warbler (*Setophaga petechia*), least Bell's vireo, spotted bat (*Euderma maculatum*), western red bat (*Lasiurus blossevillii*), western small-footed myotis (*Myotis ciliolabrum*), long-eared myotis (*Myotis evotis*), Yuma myotis (*Myotis yumanensis*), and San Diegan tiger whiptail (*Aspidoscelis tigris stejnegeri*).

6.4 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the

adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal.

The vicinity of the project site is situated between a commercial area and suburban areas consisting of a mix of mid- to high-density residential developments and roadways. The site is not within a Biological Core and Linkage Area and is isolated from areas proposed for preservation under the MHCP. The small amount of riparian habitat on site continues off site, but is composed of a small amount of habitat and is disturbed. Regardless of size, this patch of riparian habitat does attract wildlife, but almost all of the riparian habitat is located off site and is lacking management. Connectivity to the project site is not likely to benefit wildlife movement due the extent of surrounding development and lack of native habitat on site. Therefore, the project site is unlikely to serve as a wildlife corridor. However, the site, since it currently is vacant, may provide stopover function for migrants or a local patch of habitat.

7 Impacts Analysis

This section addresses direct, indirect, and cumulative impacts to biological resources that would result from implementation of the proposed project.

Direct impacts include the permanent loss of on-site habitat and the plant and wildlife species that it contains due to grading and the development of the site (Figure 3, Impacts). Direct permanent impacts were quantified by overlaying the proposed project footprint onto the biological resources map. All biological resources within the impact limits were considered directly and permanently impacted. Direct impacts include permanent impacts to 8.23 acres.

Indirect impacts refer to off-site and on-site effects that are short-term impacts (i.e., temporary) due to project construction or long-term (i.e., permanent) design of the project and the effects it may have on adjacent resources. For the proposed project, it is assumed that the potential indirect impacts resulting from construction activities include dust, noise, and general human presence that may temporarily disrupt species and habitat vitality and construction-related soil erosion and runoff. With respect to these latter factors, however, all project grading will be subject to the typical restrictions (e.g., best management practices) and requirements that address erosion and runoff, including the federal Clean Water Act, National Pollution Discharge Elimination System, and preparation of a stormwater pollution prevention plan.

7.1 Vegetation Communities and Land Covers

Direct impacts to vegetation are shown in Table 3. All biological resources within the impact limits were considered directly impacted. Figure 3 illustrates the distribution of biological resources in the project site and the extent of the proposed impacts.

Table 3. Impacts to Vegetation Communities and Land Covers within the Project Site

Vegetation Community/Land Cover	Habitat Code	Acreage	Impacts (Acres)
Non-Native Vegetation Communities, Land Covers, and Unvegetated Habitat			
Disturbed Wetland	11200	0.18	—
Disturbed Habitat	11300	7.94	6.75
Urban/Developed	12000	1.45	1.45
Non-native Riparian	65000	0.59	—

Table 3. Impacts to Vegetation Communities and Land Covers within the Project Site

Vegetation Community/Land Cover	Habitat Code	Acreage	Impacts (Acres)
Arundo-dominated Riparian	65100	0.40	0.02
Native Vegetation Community			
Southern Willow Scrub	63320	0.02	—
Fresh Water	64140	0.14	—
	Total	**10.73**	**8.22**

Proposed impacts to disturbed habitat and urban/developed land are not considered significant because these land covers are not considered special status; they are non-native and provide little biological resource value. Proposed impacts to arundo-dominated riparian habitat, a highly invasive land cover that provides little biological resource value, would be minimal. The arundo-dominated riparian associated with Poway Creek currently extends over the property line and therefore would need to be trimmed back to the property line resulting in a potential temporary loss of 0.02 acres of this vegetation community. It is anticipated that the vegetation will grow back following construction and therefore no mitigation is proposed for impacts to this invasive plant community. Mitigation measures BIO-1, BIO-2, BIO-4, and BIO-5 would be established to prevent direct and mitigate for indirect impacts to sensitive habitats. After mitigation, these impacts would be considered less than significant.

7.2 Potential Jurisdictional Aquatic Resources

Impacts to 0.02 acres of non-native, invasive, arundo-dominated riparian habitat may occur as a result of project implementation. Since this vegetation is associated with Poway Creek, it is assumed that the vegetation is regulated by USACE, RWQCB, and CDFW, however it should be noted that a formal jurisdictional delineation was not conducted. The impacts would only be to the arundo branches that overhang the fence of the property line. The current fence line/property line is proposed to be maintained as the boundary of the new development. These branches may be preserved as they are tall and most of their stalks are outside of the impact footprint and would likely not be affected by grading or construction activities. Typically, removal of this species (*Arundo donax*) is targeted for restoration projects as it is highly invasive, provides minimal habitat value for wildlife, and often outcompetes native vegetation. Trimming of the vegetation would not trigger permits from USACE or RWQCB since the project would not result in any removal or fill of this resource. As discussed further in Section 7.3, the project has been reviewed with CDFW staff to obtain their concurrence on impact avoidance. Given the disturbed nature of this portion of Poway Creek, the surrounding development and the invasive properties of Arundo, CDFW stated that the minor impacts to 0.02 acres of Arundo would not result in a significant impact from their perspective.

The remainder of the arundo-dominated habitat, disturbed wetland habitat, fresh water, and non-native riparian habitat will be preserved, and no direct impacts are anticipated to occur to the latter habitat types. The only native vegetation community on site, southern willow scrub habitat, is located completely outside of and away from the project grading footprint and will not be affected by project construction.

Indirect impacts to the wetland and riparian habitat could potentially occur and would be significant requiring mitigation. Mitigation measures BIO-1, BIO-2, BIO-4, and BIO-5 would be established to protect and mitigate direct and indirect impacts to jurisdictional resources. After mitigation, these impacts would be less than significant.

7.3 Buffers and Setbacks

The project will not result in any impacts to Poway Creek nor will it impact the unnamed tributary. A minimum of 100 feet from the top of slope is provided to avoid any indirect impacts to Poway Creek which is a USGS blueline stream. A setback from the top of slope for the tributary is not provided as it is not a blueline stream. The proposed project development footprint will avoid all of the wetland habitat and the vast majority of the riparian habitat on site, much of which is already highly disturbed and of limited habitat value and quality for resident and migratory wildlife. Additionally, a 50-foot buffer does not currently exist between the wetland and riparian habitats and many of the existing developments within the surrounding areas. Under the proposed project, no wetland or riparian buffer is warranted due to the already highly disturbed nature of the riparian and wetland habitats on site, and the fact that the site is already situated in a heavily developed area.

Dudek biologists met with representatives from CDFW to review the project on July 22, 2022. During this meeting the proposed avoidance of Poway creek and an unnamed tributary were discussed. CDFW staff concurred that the proposed project provides adequate avoidance of the two waterways and did not suggest or request that the project provide additional buffers beyond what is currently proposed.

7.4 Special-Status Plants and Sensitive Habitat

No special-status plants were detected within the site. The majority of the impact area is disturbed habitat and already developed land covers, although the site does include sensitive riparian and wetland habitat. Due to the extent of vegetative disturbance, existing anthropogenic developments, and lack of suitable substrate, special-status plant species are not expected to occur in this area. Therefore, no significant direct or indirect impacts to special-status plants are anticipated.

Direct Impacts

Direct impacts to non-native, invasive riparian habitat may be significant. Mitigation measures **BIO-1** and **BIO-2** provide for the protection of the majority of the disturbed riparian habitat and all of the disturbed wetland habitat on site through the installation of silt fencing around the sensitive habitat and around the perimeter of the construction/grading footprint. It also requires environmental awareness meetings to discuss and educate about sensitive habitats, as well as construction monitoring to help ensure sensitive habitat is protected. After mitigation, these impacts would be less than significant.

Indirect Impacts

Indirect impacts to sensitive habitat may be significant without mitigation. Construction activities may result in the generation of fugitive dust; changes in hydrology, including sedimentation and erosion; and the release of chemical pollutants. Implementation of mitigation measures **BIO-4** and **BIO-5** would reduce these impacts to less than significant.

7.5 Special-Status Wildlife

No special-status wildlife species were detected within the site. The majority of the impact area consists of disturbed habitat and already developed land covers. Due to the extent of vegetative disturbance and existing and

surrounding anthropogenic developments, very limited special-status species are expected to occur in this area. The following special-status species have not been detected on site but do have a low to moderate potential to occur: Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail.

There is potential for raptors and other birds to nest on site.

Direct Impacts

Direct impacts to potentially occurring special-status species, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail may be significant. Mitigation measures BIO-1 and BIO-3 state that environmental awareness training and nesting bird surveys are to be conducted prior to construction, and should nests be present, an avoidance buffer will be implemented. Vegetation clearing during the breeding season should avoided unless absolutely necessary, in which case, a qualified biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds in the proposed area of disturbance. After mitigation, these impacts would be less than significant.

Indirect Impacts

Special-status wildlife, including Cooper's hawk, white-tailed kite, vermilion flycatcher, yellow warbler, least Bell's vireo, spotted bat, western red bat, and San Diegan tiger whiptail may be indirectly impacted during construction by impacts such as the generation of fugitive dust; changes in hydrology resulting from construction, including sedimentation and erosion; and the release of chemical pollutants. Special-status wildlife may also be indirectly affected in the short and long term by noise and lighting, which can disrupt normal activities and subject wildlife to higher predation risks. Implementation of BIO-4 and BIO-5 would reduce these impacts to less than significant.

The small scale of the habitat loss would not appreciably reduce the population of sensitive species in the area. However, nesting birds can be significantly affected by short-term construction-related noise, resulting in decreased reproductive success or abandonment of an area as nesting habitat. Breeding passerine and raptor species likely utilize the various habitats on site for nest construction and foraging. Indirect impacts from construction-related noise may occur to sensitive wildlife if construction occurs during the breeding season (i.e., February 15 through September 1). Potential impacts, including noise, lighting, and increased human presence and vehicle traffic within the site, could significantly affect nesting birds and would be considered significant. Mitigation measure BIO-3 would be implemented in order to avoid impacts to nesting birds. This mitigation measure would reduce potential impacts to a level that is less than significant.

7.6 Wildlife Corridor and Habitat Linkages

As mentioned, the project site is located in a highly urbanized environment. The site is not within a Poway Mitigation Area and is isolated from areas proposed for preservation under the MHCP. Although Poway Creek in the southern portion of the site may have limited value as a movement corridor for some riparian birds, small mammals, and reptiles, the proposed project would not permanently change the functionality of this area. Therefore, there would be no significant impact to areas facilitating wildlife movement. For upland predominantly disturbed habitat use, the site may function as a stepping stone type habitat linkage. However, the vegetation on site is highly dominated by non-native species and still has remnants of the previous developments. Based on the Poway Subarea Habitat

Conservation Plan, due to the lack of designation as a Focused Planning Area and its location outside of Poway Mitigation Areas, the impacts to wildlife movement would be less than significant.

7.7 Consistency with the Multiple Habitat Conservation Program and Multiple Species Conservation Plan

As mentioned, the project site is not located within or immediately adjacent to any Poway Mitigation Areas, and the majority of impacts will occur to disturbed lands and existing developed land. Therefore, the project will not impact the goals and objectives of the Poway Subarea Habitat Conservation Plan. Minimal impacts will occur to invasive, riparian habitat, and no impacts will occur to existing wetlands or native habitat.

8 Mitigation

This section describes the mitigation measures required to offset and avoid direct and indirect impacts to sensitive vegetation communities, jurisdictional resources, and special-status wildlife in the short and long term. These measures will reduce identified and potentially significant impacts to a level that is less than significant.

BIO-1 Staking and silt fencing shall be installed along the entire perimeter of the construction footprint/area proposed for grading. Additionally, pre-construction environmental awareness educational meetings for the team and crews, as well and biological monitoring during vegetation clearing and grading activities, shall occur. Construction/contractor personnel shall complete a Workers Environmental Awareness Program to ensure compliance with environmental/permit regulations and mitigation measures. Construction-limits staking and biological monitoring shall prevent inadvertent impacts to special-status vegetation or potential special-status wildlife species and their habitat.

BIO-2 Prior to construction permit issuance, grading and building plans shall ensure that the wetland and riparian area is protected with on-site construction fencing. The construction fencing shall be portrayed on the construction plans. The construction plans shall specify that construction fencing shall be maintained for the entire duration of construction activity until the permanent, outer wall proposed for the new development has been constructed, protecting the adjacent riparian and wetland habitats.

BIO-3 In accordance with the Migratory Bird Treaty Act of 1918 and Section 3503.5 of the California Fish and Game Code, to avoid any direct impacts to raptors and/or any native/migratory birds, removal of habitat that supports active nests in the proposed project site should occur outside of the breeding season for these species (February 1 to September 15). If removal of habitat in the proposed area of disturbance must occur during the breeding season, a qualified biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds in the proposed area of disturbance. The pre-construction survey shall be conducted not more than 72 hours prior to the start of construction activities (including removal of vegetation). If any active nests are detected, the area will be flagged and mapped on the construction plans along with a 300- to 500-foot (for raptors) avoidance buffer, and will be avoided until the nesting cycle is complete or it

is determined that the nest has failed. Noise monitoring may also be required. The final buffer will be determined by the biologist(s).

BIO-4 Prior to construction permit issuance, grading and building plans shall specify the following:

- Employees shall strictly limit their activities, vehicles, equipment, and construction materials to the fenced project footprint.
- To avoid attracting predators, the project site shall be kept as clean of debris as possible. All food related trash items shall be enclosed in sealed containers and regularly removed from the site.
- Any lighting installed for project construction should be faced away from riparian and wetland habitat.
- Appropriate dust control measures (water trucks) should be implemented to reduce the amount of fugitive dust created by the project.
- Pets of project personnel shall not be allowed on the project site.

BIO-5 All construction activity adjacent to wetland habitat areas shall be required to adhere to measures outlined in the Poway General Plan and Poway Grading Ordinance to avoid degradation to wetland and riparian habitat from erosion. These measures include restrictions on the timing and amount of grading. For example, grading shall be prohibited during the rainy season (October 1st through April 15th) without an approved erosion control plan and program in place. Grading or vegetation removal shall be prohibited adjacent to wetland areas during the rainy season unless determined to be allowable on a site-specific basis with the provision of all necessary erosion control devices, which must be in place and maintained throughout the grading period.

If you have any questions or comments regarding the content of this letter, please do not hesitate to email me at scarey@dudek.com or call me at 760.334.1993.

Sincerely,

Shana Carey

Shana Carey
Biologist

Att: *Figures 1–3*
Appendix A, List of Plant Species Detected on Site
Appendix B, List of Wildlife Species Detected on Site
Appendix C, Special-Status Plant Species Potential to Occur
Appendix D, Special-Status Wildlife Species Potential to Occur

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SOURCE: San GIS 2017; Google Earth 2021

DUDEK

0 70 140 Feet

FIGURE 1

Project Location

Harmon Ranch

SOURCE: SAN GIS 2017

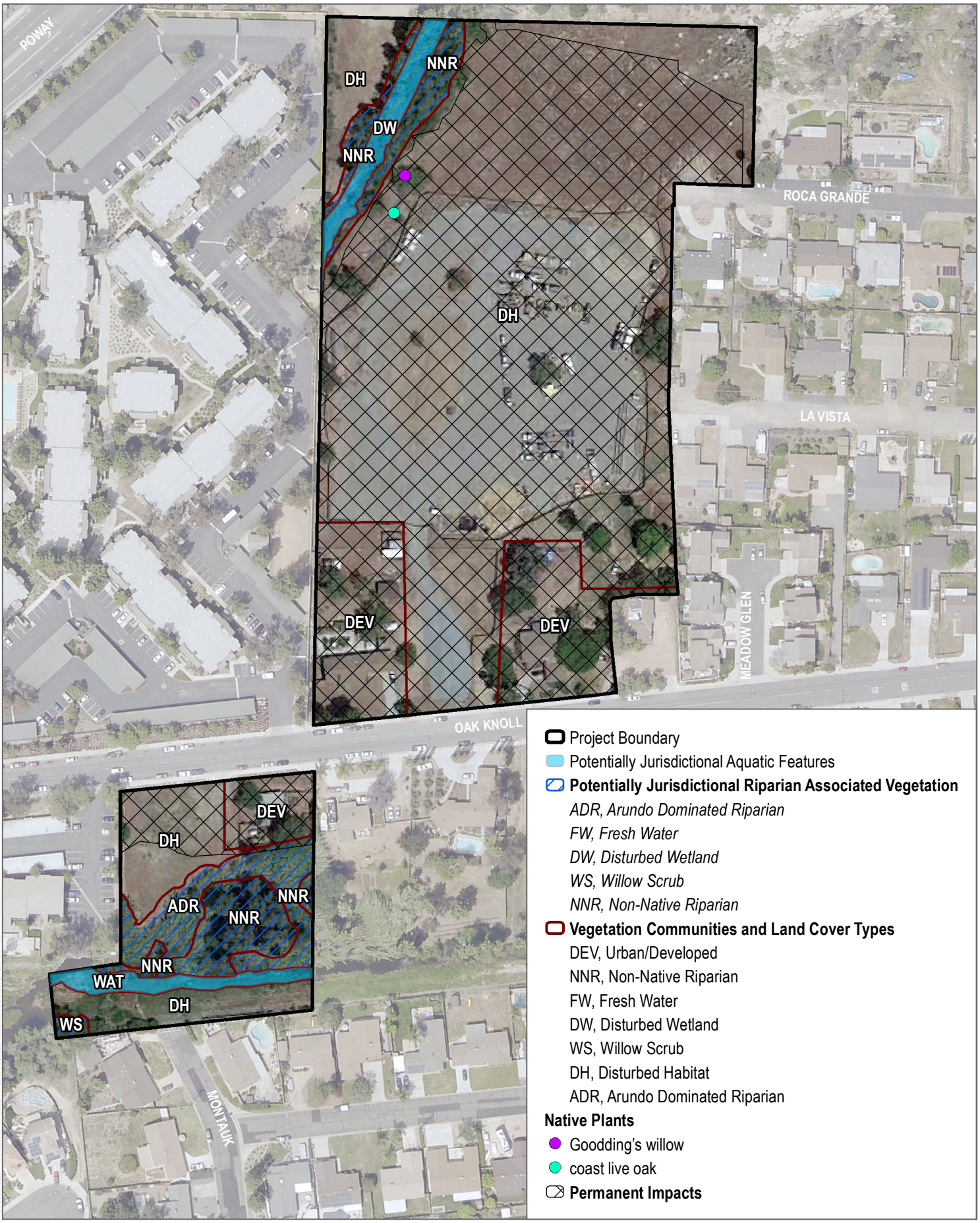
DUDEK

0 80 160 Feet

FIGURE 2

Biological Resources

Harmon Ranch



SOURCE: Hunsaker & Associates San Diego, Inc.

DUDEK

0 80 160 Feet

FIGURE 3

Impacts

Harmon Ranch

Appendix A

List of Plant Species Detected on Site

Plant Species

Angiosperms: Magnoliids-Piperales

SAURURACEAE – LIZARD'S TAIL FAMILY

Anemopsis californica – yerba mansa

Angiosperms: Eudicots

AIZOACEAE – FIG-MARIGOLD FAMILY

* *Carpobrotus edulis* – hottentot-fig

AMARANTHACEAE – AMARANTH FAMILY

Malosma laurina – laurel sumac

* *Schinus molle* – Peruvian pepper tree
* *Schinus terebinthifolius* – Brazilian pepper tree

APIACEAE – CARROT FAMILY

* *Apium graveolens* – common celery
* *Foeniculum vulgare* – sweet fennel

ASTERACEAE – SUNFLOWER FAMILY

Ambrosia psilostachya – western ragweed
Artemisia douglasiana – Douglas mugwort
Baccharis salicifolia ssp. salicifolia – mule-fat, seep-willow
Baccharis sarothroides – broom baccharis
Brickellia californica – California brickellbush
Deinandra fasciculata – fascicled tarweed
Erigeron canadensis – horseweed
Pseudognaphalium biolettii – bicolor cudweed
Xanthium strumarium – cocklebur

* *Centaurea melitensis* – tocalote
* *Dittrichia graveolens* – stinkwort
* *Helminthotheca echioides* – bristly ox-tongue
* *Hypochaeris glabra* – smooth cat's ear
* *Lactuca serriola* – prickly lettuce
* *Matricaria discoidea* – common pineapple-weed
* *Sonchus oleraceus* – common sow-thistle

Baccharis pilularis – chaparral broom, coyote brush
Hazardia squarrosa – sawtooth goldenbush

* *Hedypnois cretica* – crete hedypnois

BORAGINACEAE – BORAGE FAMILY

Amsinckia intermedia – rancher's fiddleneck
Heliotropium curassavicum var. *oculatum* – salt heliotrope

BRASSICACEAE – MUSTARD FAMILY

Lepidium nitidum – shining peppergrass
* *Brassica nigra* – black mustard
* *Cardamine hirsuta* – hairy bittercress
* *Hirschfeldia incana* – short-pod mustard
* *Raphanus sativus* – wild radish
* *Sisymbrium irio* – London rocket

CARYOPHYLLACEAE – PINK FAMILY

* *Spergularia rubra* – ruby sand-spurrey

CHENOPODIACEAE – GOOSEFOOT FAMILY

Atriplex prostrata – prostrate spearscale
* *Atriplex semibaccata* – Australian saltbush
* *Salsola tragus* – prickly russian-thistle, tumbleweed

CONVOLVULACEAE – MORNING-GLORY FAMILY

Calystegia macrostegia – morning-glory

EUPHORBIACEAE – SPURGE FAMILY

Croton setiger – doveweed
* *Euphorbia maculata* – spotted spurge

FABACEAE – LEGUME FAMILY

* *Acacia longifolia* – sydney golden wattle
* *Lotus tenuis* – slender trefoil
* *Medicago polymorpha* – California burclover
* *Melilotus albus* – white sweetclover
* *Melilotus indicus* – Indian sweetclover
* *Vicia sativa* – spring vetch

FAGACEAE – OAK FAMILY

Quercus agrifolia – coast live oak, encina

GERANIACEAE – GERANIUM FAMILY

* *Erodium cicutarium* – red-stem filaree/storksbill
* *Geranium dissectum* – cut-leaf geranium

LAMIACEAE – MINT FAMILY

* *Marrubium vulgare* – horehound
* *Mentha aquatica* – watermint

MALVACEAE – MALLOW FAMILY

* *Malva parviflora* – cheeseweed

MYRSINACEAE – MYRSINE FAMILY

* *Anagallis arvensis* – scarlet pimpernel, poor man's weatherglass

MYRTACEAE – MYRTLE FAMILY

* *Eucalyptus camaldulensis* – river red gum

OLEACEAE – OLIVE FAMILY

Fraxinus cf. *dipetala* – California ash
* *Fraxinus uhdei* – shamel ash
* *Olea europaea* – olive

ONAGRACEAE – EVENING-PRIMROSE FAMILY

Oenothera elata ssp. *hookeri* – Hooker's evening-primrose

OXALIDACEAE – OXALIS FAMILY

* *Oxalis pes-caprae* – bermuda-buttercup

PAPAVERACEAE – POPPY FAMILY

Eschscholzia californica – California poppy

PLANTAGINACEAE – PLANTAIN FAMILY

* *Plantago lanceolata* – English plantain, rib-grass
* *Plantago major* – common plantain

Antirrhinum nuttallianum – Nuttall's snapdragon

POLYGONACEAE – BUCKWHEAT FAMILY

Persicaria lapathifolia – willow smartweed, willow weed
* *Rumex crispus* – curly dock
* *Polygonum aviculare* – common knotweed, doorweed

ROSACEAE – ROSE FAMILY

Heteromeles arbutifolia – toyon, Christmas berry

Rubus ursinus – California blackberry
* *Rubus armeniacus* – Himalayan blackberry

SALICACEAE – WILLOW FAMILY

Populus fremontii ssp. *fremontii* – western cottonwood
Salix gooddingii – Goodding's black willow
Salix laevigata – red willow
Salix lasiolepis – arroyo willow
Salix exigua – narrow-leaf willow

SAPINDACEAE – SOAPBERRY FAMILY

* *Cupaniopsis anacardioides* – carrotwood

THEOPHRASTACEAE – THEOPHRASTA FAMILY

Samolus parviflorus – water-pimpernel, seaside brookweed

ULMACEAE – ELM FAMILY

* *Ulmus parvifolia* – Chinese elm

URTICACEAE – STINGING NETTLE FAMILY

* *Urtica urens* – dwarf nettle

VITACEAE – GRAPE FAMILY

Vitis girdiana – Southern California wild grape

Angiosperms: Monocots

ALLIACEAE – ONION FAMILY

* *Nothoscordum gracile* – yellow false-garlic

ARECACEAE – PALM FAMILY

* *Washingtonia robusta* – Mexican fan palm

ASPARAGACEAE – ASPARAGUS FAMILY

* *Asparagus asparagoides* – florist's-smilax
* *Asparagus officinalis* ssp. *officinalis* – garden asparagus

CYPERACEAE – SEDGE FAMILY

Bolboschoenus maritimus ssp. *paludosus* – prairie bulrush
Carex spissa – San Diego sedge
Eleocharis palustris – common spike-rush
Schoenoplectus acutus var. *occidentalis* – viscid bulrush
Schoenoplectus americanus – Olney's bulrush

POACEAE – GRASS FAMILY

Distichlis spicata – salt grass
* *Arundo donax* – giant reed
* *Avena fatua* – wild oat
* *Bromus diandrus* – ripgut grass
* *Bromus hordeaceus* – soft chess
* *Bromus madritensis* – compact brome
* *Cortaderia selloana* – selloa pampas grass
* *Cynodon dactylon* – bermuda grass
* *Ehrharta erecta* – panic veldt grass
* *Festuca myuros* – rat-tail fescue
* *Festuca perennis* – perennial rye grass
* *Melinis repens* ssp. *repens* – natal grass
* *Poa annua* – annual blue grass
* *Polypogon monspeliensis* – annual beard grass
* *Polypogon viridis* – water beardgrass
* *Stipa miliacea* var. *miliacea* – smilo grass
* *Cenchrus setaceus* – African fountain grass
* *Hordeum murinum* – barley

TYPHACEAE – CATTAIL FAMILY

Typha latifolia – broad-leaf cattail

* signifies introduced (non-native) species

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Appendix B

List of Wildlife Species Detected on Site

Wildlife Species

Birds

Finches

FRINGILLIDAE – FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

Spinus psaltria – lesser goldfinch

Flycatchers

TYRANNIDAE – TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe

Sayornis saya – Say's phoebe

Hummingbirds

TROCHILIDAE – HUMMINGBIRDS

Calypte anna – Anna's hummingbird

Jays, Magpies and Crows

CORVIDAE – CROWS AND JAYS

Aphelocoma californica – California scrub-jay

Corvus brachyrhynchos – American crow

Pigeons and Doves

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

Wood Warblers and Allies

PARULIDAE – WOOD-WARBLERS

Geothlypis trichas – common yellowthroat

Setophaga coronata – yellow-rumped warbler

Woodpeckers

PICIDAE – WOODPECKERS AND ALLIES

Dryobates nuttallii – Nuttall's woodpecker

Wrens

TROGLODYTIDAE – WRENS

Troglodytes aedon – house wren

New World Sparrows

PASSERELLIDAE – NEW WORLD SPARROWS

Melospiza melodia – song sparrow
Melozone crissalis – California towhee
Pipilo maculatus – spotted towhee
Zonotrichia leucophrys – white-crowned sparrow

Mammals

Hares and Rabbits

LEPORIDAE – HARES AND RABBITS

Sylvilagus bachmani – brush rabbit

Reptiles

Lizards

PHRYNOSOMATIDAE – IGUANID LIZARDS

Sceloporus occidentalis – western fence lizard

Appendix C

Special-Status Plant Species Potential to Occur

Scientific Name	Common Name	Status (Federal/ State/CRPR)	City of San Diego MSCP	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet above mean sea level)	Potential to Occur
Acanthomintha ilicifolia	San Diego thorn-mint	FT/SE/1B.1	Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay, openings/annual herb/Apr–June/ 35–3,145	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Acmispon prostratus	Nuttall's acmispon	None/None/1B.1	Covered	Coastal dunes, coastal scrub/annual herb/Mar–June (July)/ 0–35	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Adolphia californica	California adolphia	None/None/2B.1	None	Chaparral, coastal scrub, valley and foothill grassland; clay/perennial deciduous shrub/ Dec–May/35–2,425	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Agave shawii var. *shawii*	Shaw's agave	None/None/2B.1	Narrow Endemic	Coastal bluff scrub, coastal scrub/ perennial leaf/Sep–May/10–395	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ambrosia monogyra	singlewhorl burrobrush	None/None/2B.2	None	Chaparral, Sonoran desert scrub; sandy/ perennial shrub/Aug–Nov/35–1,640	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ambrosia pumila	San Diego ambrosia	FE/None/1B.1	Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; alkaline (sometimes), clay (sometimes), disturbed areas (often), sandy (sometimes)/perennial rhizomatous herb/Apr–Oct/65–1,360	Not expected to occur. Although the project site does contain ample disturbed habitat, if this species was present it would have been detected during the rare plant survey.
Aphanisma blitoides	aphanisma	None/None/1B.2	Narrow Endemic	Coastal bluff scrub, coastal dunes, coastal scrub; gravelly (sometimes), sandy (sometimes)/annual herb/Feb–June/ 5–1,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Arctostaphylos glandulosa ssp. *crassifolia*	Del Mar manzanita	FE/None/1B.1	Covered	Chaparral/perennial evergreen shrub/June–Apr/0–1,195	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Artemisia palmeri	San Diego sagewort	None/None/4.2	None	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; mesic, sandy/perennial deciduous shrub/(Feb) May–Sep/50–3,000	Not expected to occur. Although riparian habitat is present on site, it is highly disturbed and likely does not support this species. If this species was present it would have been detected during the rare plant survey.
Asplenium vespertinum	western spleenwort	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub; rocky/perennial rhizomatous herb/Feb–June/590–3,280	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Astragalus deanei	Dean's milk-vetch	None/None/1B.1	None	Chaparral, cismontane woodland, coastal scrub, riparian forest/perennial herb/Feb–May/245–2,280	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Astragalus oocarpus	San Diego milk-vetch	None/None/1B.2	None	Chaparral, cismontane woodland/perennial herb/ May–Aug/1,000–5,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Astragalus tener var. *titi*	coastal dunes milk-vetch	FE/SE/1B.1	Narrow Endemic	Coastal bluff scrub, coastal dunes, coastal prairie/ annual herb/Mar–May/5–165	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Atriplex coulteri	Coulter's saltbush	None/None/1B.2	None	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; Alkaline (sometimes), clay (sometimes)/perennial herb/Mar–Oct/10–1,505	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Atriplex pacifica	south coast saltscale	None/None/1B.2	None	Coastal bluff scrub, coastal dunes, coastal scrub, playas/ annual herb/Mar–Oct/0–460	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Atriplex parishii	Parish's brittlescale	None/None/1B.1	None	Chenopod scrub, playas, vernal pools; Alkaline/annual herb/June–Oct/80–6,230	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Baccharis vanessae	Encinitas baccharis	FT/SE/1B.1	Covered	Chaparral, cismontane woodland; sandstone/ perennial deciduous shrub/Aug–Nov/195–2,360	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Bergerocactus emoryi	golden-spined cereus	None/None/2B.2	None	Chaparral, closed-cone coniferous forest, coastal scrub; sandy/perennial stem/May–June/10–1,295	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Bloomeria clevelandii	San Diego goldenstar	None/None/1B.1	Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial bulbiferous herb/Apr–May/165–1,525	Not expected to occur. The project site does not contain the habitat necessary to support this species.

Scientific Name	Common Name	Status (Federal/ State/CRPR)	City of San Diego MSCP	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet above mean sea level)	Potential to Occur
Brodiaea filifolia	thread-leaved brodiaea	FT/SE/1B.1	Covered	Chaparral, cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools; clay (often)/perennial bulbiferous herb/Mar–June/80–3,670	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Brodiaea orcuttii	Orcutt's brodiaea	None/None/1B.1	Covered	Chaparral, cismontane woodland, Closed-cone coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools; clay, mesic/perennial bulbiferous herb/ May–July/100–5,550	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Calandrinia breweri	Brewer's calandrinia	None/None/4.2	None	Chaparral, coastal scrub; burned areas, disturbed areas, loam (sometimes), sandy (sometimes)/annual herb/ (Jan)Mar–June/35–4,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ceanothus cyaneus	Lakeside ceanothus	None/None/1B.2	Covered	Chaparral, closed-cone coniferous forest/perennial evergreen shrub/Apr–June/770–2,475	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ceanothus otayensis	Otay Mountain ceanothus	None/None/1B.2	None	Chaparral/perennial evergreen shrub/Jan–Apr/1,965–3,605	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ceanothus verrucosus	wart-stemmed ceanothus	None/None/2B.2	Covered	Chaparral/perennial evergreen shrub/Dec–May/5–1,245	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Centromadia parryi ssp. *australis*	southern tarplant	None/None/1B.1	None	Marshes and swamps, valley and foothill grassland, vernal pools/annual herb/May–Nov/0–1,570	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Centromadia pungens ssp. *laevis*	smooth tarplant	None/None/1B.1	None	Chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland; Alkaline/annual herb/ Apr–Sep/0–2,095	Not expected to occur. Although riparian habitat is present on site, it is highly disturbed and likely does not support this species. If this species was present it would have been detected during the rare plant survey.
Chaenactis glabriuscula var. *orcuttiana*	Orcutt's pincushion	None/None/1B.1	None	Coastal bluff scrub, coastal dunes/annual herb/Jan–Aug/ 0–330	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Chamaebatia australis	southern mountain misery	None/None/4.2	None	Chaparral/perennial evergreen shrub/Nov–May/985–3,345	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Chloropyron maritimum ssp. *maritimum*	salt marsh bird's-beak	FE/SE/1B.2	Covered	Coastal dunes, marshes and swamps/annual herb (hemiparasitic)/May–Oct (Nov)/0–100	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Chorizanthe orcuttiana	Orcutt's spineflower	FE/SE/1B.1	None	Chaparral, closed-cone coniferous forest, coastal scrub; openings, sandy/annual herb/Mar–May/10–410	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Chorizanthe polygonoides var. *longispina*	long-spined spineflower	None/None/1B.2	None	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools; clay (often)/annual herb/ Apr–July/100–5,015	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Clarkia delicata	delicate clarkia	None/None/1B.2	None	Chaparral, cismontane woodland; gabbroic (often)/annual herb/Apr–June/770–3,280	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Clinopodium chandleri	San Miguel savory	None/None/1B.2	Covered	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland; gabbroic (sometimes), rocky (sometimes)/perennial shrub/Mar–July/395–3,525	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Comarostaphylis diversifolia ssp. *diversifolia*	summer holly	None/None/1B.2	None	Chaparral, cismontane woodland/perennial evergreen shrub/ Apr–June/100–2,590	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Convolvulus simulans	small-flowered morning-glory	None/None/4.2	None	Chaparral, coastal scrub, valley and foothill grassland; clay, seeps, serpentinite/annual herb/Mar–July/100–2,425	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Corethrogyne filaginifolia var. *incana*	San Diego sand aster	None/None/1B.1	None	Chaparral, coastal bluff scrub, coastal scrub/perennial herb/ June–Sep/10–375	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Corethrogyne filaginifolia var. *linifolia*	Del Mar Mesa sand aster	None/None/1B.1	Covered	Chaparral, coastal bluff scrub, coastal scrub; sandy/perennial herb/May–Sep/15–490	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Cylindropuntia californica var. *californica*	snake cholla	None/None/1B.1	Narrow Endemic	Chaparral, coastal scrub/perennial stem/Apr–May/100–490	Not expected to occur. The project site does not contain the habitat necessary to support this species.

Scientific Name	Common Name	Status (Federal/ State/CRPR)	City of San Diego MSCP	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet above mean sea level)	Potential to Occur
Dichondra occidentalis	western dichondra	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/perennial rhizomatous herb/(Jan) Mar–July/ 165–1,640	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Dudleya blochmaniae ssp. *blochmaniae*	Blochman's dudleya	None/None/1B.1	None	Chaparral, coastal bluff scrub, coastal scrub, valley and foothill grassland; clay (often), rocky, serpentinite/perennial herb/Apr–June/15–1,475	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Dudleya brevifolia	short-leaved dudleya	None/SE/1B.1	Narrow Endemic	Chaparral, coastal scrub; sandstone/perennial herb/ Apr–May/100–820	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Dudleya variegata	variegated dudleya	None/None/1B.2	Narrow Endemic	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial herb/ Apr–June/10–1,900	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Dudleya viscida	sticky dudleya	None/None/1B.2	Covered	Chaparral, cismontane woodland, coastal bluff scrub, coastal scrub; rocky/perennial herb/May–June/35–1,800	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ericameria palmeri var. *palmeri*	Palmer's goldenbush	None/None/1B.1	Covered	Chaparral, coastal scrub; mesic/perennial evergreen shrub/ (July)Sep–Nov/100–1,965	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Eriodictyon sessilifolium	sessile-leaved yerba santa	None/None/2B.1	None	Coastal scrub; volcanic/perennial shrub/July/560–560	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Eryngium aristulatum var. *parishii*	San Diego button-celery	FE/SE/1B.1	Covered	Coastal scrub, valley and foothill grassland, vernal pools; mesic/annual/perennial herb/Apr–June/65–2,030	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Erysimum ammophilum	sand-loving wallflower	None/None/1B.2	Covered	Chaparral, coastal dunes, coastal scrub; openings, sandy/perennial herb/Feb–June(July–Aug)/0–195	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Euphorbia misera	cliff spurge	None/None/2B.2	None	Coastal bluff scrub, coastal scrub, Mojavean desert scrub; rocky/perennial shrub/(Oct)Dec–Aug/35–1,640	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ferocactus viridescens	San Diego barrel cactus	None/None/2B.1	Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools/perennial stem/May–June/10–1,475	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Geothallus tuberosus	Campbell's liverwort	None/None/1B.1	None	Coastal scrub, vernal pools/ephemeral liverwort//35–1,965	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Githopsis diffusa ssp. *filicaulis*	Mission Canyon bluecup	None/None/3.1	None	Chaparral/annual herb/Apr–June/1,475–2,295	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Grindelia hallii	San Diego gumplant	None/None/1B.2	None	Chaparral, lower montane coniferous forest, meadows and seeps, valley and foothill grassland/perennial herb/May–Oct/ 605–5,725	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Harpagonella palmeri	Palmer's grapplinghook	None/None/4.2	None	Chaparral, coastal scrub, valley and foothill grassland; clay, openings/annual herb/Mar–May/65–3,130	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Hazardia orcuttii	Orcutt's hazardia	None/ST/1B.1	None	Chaparral, coastal scrub; clay (often)/perennial evergreen shrub/Aug–Oct/260–280	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Heterotheca sessiliflora ssp. *sessiliflora*	beach goldenaster	None/None/1B.1	None	Chaparral, coastal dunes, coastal scrub/perennial herb/ Mar–Dec/0–4,015	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Holocarpha virgata ssp. *elongata*	graceful tarplant	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/annual herb/May–Nov/195–3,605	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Horkelia truncata	Ramona horkelia	None/None/1B.3	None	Chaparral, cismontane woodland; clay, gabbroic/perennial herb/May–June/1,310–4,265	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Isocoma menziesii var. *decumbens*	decumbent goldenbush	None/None/1B.2	None	Chaparral, coastal scrub/perennial shrub/Apr–Nov/35–445	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Iva hayesiana	San Diego marsh-elder	None/None/2B.2	None	Marshes and swamps, playas/perennial herb/Apr–Oct/ 35–1,640	Not expected to occur. The project site does not contain the habitat necessary to support this species.

Scientific Name	Common Name	Status (Federal/ State/CRPR)	City of San Diego MSCP	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet above mean sea level)	Potential to Occur
Juncus acutus ssp. *leopoldii*	southwestern spiny rush	None/None/4.2	None	Coastal dunes, marshes and swamps, meadows and seeps/perennial rhizomatous herb/(Mar)May–June/ 10–2,950	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	None/None/1B.1	None	Marshes and swamps, playas, vernal pools/annual herb/ Feb–June/5–4,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Lathyrus splendens	pride-of-California	None/None/4.3	None	Chaparral/perennial herb/Mar–June/655–5,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Lepechinia cardiophylla	heart-leaved pitcher sage	None/None/1B.2	Covered	Chaparral, cismontane woodland, closed-cone coniferous forest/perennial shrub/Apr–July/1,705–4,490	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Lepidium virginicum var. *robinsonii*	Robinson's pepper-grass	None/None/4.3	None	Chaparral, coastal scrub/annual herb/Jan–July/5–2,900	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Leptosyne maritima	sea dahlia	None/None/2B.2	None	Coastal bluff scrub, coastal scrub/perennial herb/Mar–May/ 15–490	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Monardella hypoleuca ssp. *lanata*	felt-leaved monardella	None/None/1B.2	Covered	Chaparral, cismontane woodland/perennial rhizomatous herb/June–Aug/985–5,165	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Monardella viminea	willowy monardella	FE/SE/1B.1	Covered	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland/perennial herb/June–Aug/165–740	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Myosurus minimus ssp. *apus*	little mousetail	None/None/3.1	None	Valley and foothill grassland, vernal pools/annual herb/ Mar–June/65–2,095	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Navarretia fossalis	spreading navarretia	FT/None/1B.1	Narrow Endemic	Chenopod scrub, marshes and swamps, playas, vernal pools/ annual herb/Apr–June/100–2,145	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.2	None	Coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools/annual herb/Apr–July/10–3,965	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Nemacaulis denudata var. *denudata*	coast woolly-heads	None/None/1B.2	None	Coastal dunes/annual herb/Apr–Sep/0–330	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Ophioglossum californicum	California adder's-tongue	None/None/4.2	None	Chaparral, valley and foothill grassland, vernal pools/perennial rhizomatous herb/Jan–June(Dec)/ 195–1,720	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Orcuttia californica	California Orcutt grass	FE/SE/1B.1	Narrow Endemic	Vernal pools/annual herb/Apr–Aug/50–2,165	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Orobanche parishii ssp. *brachyloba*	short-lobed broomrape	None/None/4.2	None	Coastal bluff scrub, coastal dunes, coastal scrub/perennial herb (parasitic)/Apr–Oct/10–1,000	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Packera ganderi	Gander's ragwort	None/SR/1B.2	None	Chaparral/perennial herb/Apr–June/1,310–3,935	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Pentachaeta aurea ssp. *aurea*	golden-rayed pentachaeta	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, valley and foothill grassland/annual herb/Mar–July/260–6,065	Not expected to occur. Although riparian habitat is present on site, it is highly disturbed and likely does not support this species. If this species was present it would have been detected during the rare plant survey.
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	None	Coastal dunes, coastal scrub/annual herb/Mar–June/ 5–1,310	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Pogogyne abramsii	San Diego mesa mint	FE/SE/1B.1	Narrow Endemic	Vernal pools/annual herb/Mar–July/295–655	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Pogogyne nudiuscula	Otay Mesa mint	FE/SE/1B.1	Narrow Endemic	Vernal pools/annual herb/May–July/295–820	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Pseudognaphalium leucocephalum	white rabbit-tobacco	None/None/2B.2	None	Chaparral, cismontane woodland, coastal scrub, riparian woodland/perennial herb/(July)Aug–Nov(Dec)/0–6,885	Not expected to occur. Although riparian habitat is present on site, it is highly disturbed and likely does not support this species. If this species was present it would have been detected during the rare plant survey.

Scientific Name	Common Name	Status (Federal/ State/CRPR)	City of San Diego MSCP	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet above mean sea level)	Potential to Occur
Quercus cedrosensis	Cedros Island oak	None/None/2B.2	None	Chaparral, closed-cone coniferous forest, coastal scrub/ perennial evergreen tree/Apr–May/835–3,145	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Quercus dumosa	Nuttall's scrub oak	None/None/1B.1	None	Chaparral, closed-cone coniferous forest, coastal scrub/perennial evergreen shrub/Feb–Apr(May–Aug)/ 50–1,310	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Quercus engelmannii	Engelmann oak	None/None/4.2	None	Chaparral, cismontane woodland, riparian woodland, Valley and foothill grassland/perennial deciduous tree/Mar–June/ 165–4,265	Not expected to occur. Although riparian habitat is present on site, it is highly disturbed and likely does not support this species. If this species was present it would have been detected during the rare plant survey.
Salvia munzii	Munz's sage	None/None/2B.2	None	Chaparral, coastal scrub/perennial evergreen shrub/Feb–Apr/ 375–3,490	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Selaginella cinerascens	ashy spike-moss	None/None/4.1	None	Chaparral, coastal scrub/perennial rhizomatous herb/ N.A./65–2,095	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Senecio aphanactis	chaparral ragwort	None/None/2B.2	None	Chaparral, cismontane woodland, coastal scrub/annual herb/ Jan–Apr (May)/50–2,620	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Sidalcea neomexicana	salt spring checkerbloom	None/None/2B.2	None	Chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub, playas/perennial herb/Mar–June/ 50–5,015	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Sphaerocarpos drewei	bottle liverwort	None/None/1B.1	None	Chaparral, coastal scrub/ephemeral liverwort/N.A./ 295–1,965	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Stemodia durantifolia	purple stemodia	None/None/2B.1	None	Sonoran desert scrub/perennial herb/(Jan) Apr–Dec/ 590–985	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Stylocline citroleum	oil neststraw	None/None/1B.1	None	Chenopod scrub, coastal scrub, valley and foothill grassland/annual herb/Mar–Apr/165–1,310	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Suaeda esteroa	estuary seablite	None/None/1B.2	None	Marshes and swamps/perennial herb/(Jan–May) July–Oct/ 0–15	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Tetracoccus dioicus	Parry's tetracoccus	None/None/1B.2	Covered	Chaparral, coastal scrub/perennial deciduous shrub/ Apr–May/540–3,280	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Viguiera laciniata	San Diego County viguiera	None/None/4.3	None	Chaparral, coastal scrub/perennial shrub/Feb–June (Aug)/ 195–2,460	Not expected to occur. The project site does not contain the habitat necessary to support this species.
Xanthisma junceum	rush-like bristleweed	None/None/4.3	None	Chaparral, coastal scrub/perennial herb/Jan–Oct/785–3,280	Not expected to occur. The project site does not contain the habitat necessary to support this species.

Status Legend
Federal
FE: Federally listed as endangered
FT: Federally listed as threatened
State
SE: State listed as endangered
ST: State listed as threatened
CRPR: California Rare Plant Rank
1B: Plants rare, threatened, or endangered in California and elsewhere
2B: Plants rare, threatened, or endangered in California, but more common elsewhere
3: Plants about which more information is needed – A Review List
4: Plants of Limited Distribution – A Watch List
Threat Rank
0.1 – Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
0.2 – Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)
0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

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Appendix D

Special-Status Wildlife Species Potential to Occur

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Amphibians					
Anaxyrus californicus	arroyo toad	FE/SSC	Covered	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur, outside of range. Riparian habitat is too fragmented and site located within a heavily developed area. This species has extremely specialized habitat needs which do not exist on the site or in the surrounding vicinity.
Spea hammondii	western spadefoot	BCC/SSC	None	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur due to lack of suitable vernal pools or ephemeral wetlands used for reproduction present. Site is highly disturbed and surrounded by anthropogenic development.
Birds					
Accipiter cooperii (nesting)	Cooper's hawk	None/WL	Covered	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Low potential to occur. Somewhat suitable but fragmented nesting habitat present in disturbed riparian woodlands near water. This species prefers dense stands of native trees, however the non-native riparian habitat on site is poor quality, highly disturbed, and surrounded by anthropogenic development.
Agelaius tricolor (nesting colony)	tricolored blackbird	None/SSC, ST	Covered	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Not expected to occur. Very minimal cattail reeds on site for nesting habitat which are situated in a riparian area with a high percentage of other non-native vegetation species Site is highly disturbed and surrounded by anthropogenic development.
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	None/WL	Covered	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Ammodramus savannarum (nesting)	grasshopper sparrow	BCC/SSC	None	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. There is not suitably expansive, open grassland habitat present within the project site to support this species. The site is highly disturbed and surrounded by anthropogenic development.
Aquila chrysaetos (nesting and wintering)	golden eagle	None/FP, WL	Covered	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. The project site is surrounded by development and there is no suitable open foraging habitat present to support this species. Site is surrounded by by anthropogenic development.
Artemisiospiza belli belli	Bell's sage sparrow	None/WL	None	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Asio otus (nesting)	long-eared owl	BCC/SSC	None	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	Not expected to occur. Riparian habitat on site is highly disturbed and surrounded by anthropogenic development.
Athene cunicularia (burrow sites and some wintering sites)	burrowing owl	None/SSC	Covered	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Not expected to occur. The project site is highly disturbed and there is no suitable open habitat present to support this species.
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Covered	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. The project site is surrounded by development and there is no suitable open foraging habitat present to support this species.

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Calypte costae (nesting)	Costa's hummingbird	BCC/None	None	Nests and forages in desert wash, edges of riparian and valley–foothill riparian, coastal scrub, desert scrub, desert succulent scrub, lower-elevation chaparral, and palm oasis	Low potential to occur. Suitable fragmented habitat is present for nesting and foraging opportunities; however the rest of the site is highly disturbed and surrounded by anthropogenic development.
Campylorhynchus brunneicapillus sandiegensis (San Diego and Orange Counties only)	coastal cactus wren	None/SSC	Covered	Southern cactus scrub patches	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Charadrius montanus (wintering)	mountain plover	BCC/SSC	Covered	Winters in shortgrass prairies, plowed fields, open sagebrush, and sandy deserts	Not expected to occur. There is no suitable habitat present to support this species and the site is highly disturbed and surrounded by anthropogenic development.
Charadrius nivosus nivosus (nesting)	western snowy plover	FT, BCC/SSC	Covered	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Not expected to occur. There is no suitable habitat present to support this species and the site is highly disturbed and surrounded by anthropogenic development.
Chlidonias niger (nesting colony)	black tern	BCC/SSC	None	Freshwater marsh with emergent vegetation; in the Central Valley primarily nests and forages in rice fields and other flooded agricultural fields with weeds and other residual aquatic vegetation	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	None	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable expansive and high-quality riparian habitat is present to support this species. Site is highly disturbed and surrounded by anthropogenic development.
Contopus cooperi (nesting)	olive-sided flycatcher	BCC/SSC	None	Nests in mixed-conifer, montane hardwood–conifer, Douglas-fir, redwood, red fir, and lodgepole pine habitats; usually close to water	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Coturnicops noveboracensis	yellow rail	BCC/SSC	None	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Cypseloides niger (nesting)	black swift	BCC/SSC	None	Nests in moist crevices, caves, and cliffs behind or adjacent to waterfalls in deep canyons; forages over a wide range of habitats	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Dryobates nuttallii	Nuttall's woodpecker	BCC/None	None	Primarily oak woodlands, but also riparian woodland, chaparral, and rarely conifer forests	Not expected to occur. No suitable vegetation present and site is highly disturbed and surrounded by anthropogenic development.
Elanus leucurus (nesting)	white-tailed kite	None/FP	None	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Low potential to occur. Not expected to nest on site. Could use site for foraging. Site and adjacent lands are heavily disturbed and developed.
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Covered	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. There are no records of this species near the site. Also, there is no suitable expansive and high-quality riparian habitat present to support this species.
Falco mexicanus (nesting)	prairie falcon	None/WL	None	Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nest on cliffs or bluffs	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Gavia immer (nesting)	common loon	BCC/SSC	None	Extirpated as a breeder from California; winters in coastal waters such as bays, channels, coves, and inlets; also winters inland at large, deep lakes and reservoirs	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Gelochelidon nilotica (nesting colony)	gull-billed tern	BCC/SSC	None	Nests at the Salton Sea and in estuaries in San Diego County; forages in emergent wetland, lakes, mudflats, cropland, and grassland	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	BCC/SSC	None	Nests and forages in emergent wetlands including woody swamp, brackish marsh, and freshwater marsh	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Haliaeetus leucocephalus (nesting and wintering)	bald eagle	FPD/FP, SE	Covered	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. No suitable habitat present to support this species, and site is highly disturbed and surrounded by anthropogenic development.
Icteria virens (nesting)	yellow-breasted chat	None/SSC	None	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable expansive and high-quality riparian habitat is present to support this species.
Ixobrychus exilis (nesting)	least bittern	None/SSC	None	Nests in freshwater and brackish marshes with dense, tall growth of aquatic and semi-aquatic vegetation	Not expected to occur. No suitable freshwater marsh habitat present to support this species.
Laterallus jamaicensis coturniculus	California black rail	None/FP, ST	None	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable habitat present to support this species.
Limnodromus griseus	short-billed dowitcher	BCC/None	None	Coastal mud flats and brackish lagoons	Not expected to occur. No suitable habitat present to support this species.
Passerculus sandwichensis beldingi	Belding's savannah sparrow	BCC/SE	Covered	Nests and forages in coastal saltmarsh dominated by pickleweed (*Salicornia* spp.)	Not expected to occur. No coastal salt marsh habitat is present in the project site to support this species.
Plegadis chihi (nesting colony)	white-faced ibis	None/WL	Covered	Nests in shallow marshes with areas of emergent vegetation; winter foraging in shallow lacustrine waters, flooded agricultural fields, muddy ground of wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries	Not expected to occur. No suitable habitat present to support a nesting colony of this species.
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Covered	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable habitat present to support this species.
Pyrocephalus rubinus (nesting)	vermilion flycatcher	None/SSC	None	Nests in riparian woodlands, riparian scrub, and freshwater marshes; typical desert riparian with cottonwood, willow, mesquite adjacent to irrigated fields, ditches, or pastures	Low potential to occur. Suitable fragmented habitat is present for nesting and foraging opportunities; however the rest of the site is highly disturbed and surrounded by anthropogenic development.
Rallus obsoletus levipes	Ridgway's rail	FE/FP, SE	Covered	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Not expected to occur. No suitable habitat present to support this species.
Rynchops niger (nesting colony)	black skimmer	BCC/SSC	None	Nests on barrier beaches, shell banks, spoil islands, and saltmarsh; forages over open water; roosts on sandy beaches and gravel bars	Not expected to occur. No suitable habitat present to support this species.
Setophaga petechia (nesting)	yellow warbler	None/SSC	None	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Low potential to occur. There is marginally suitable riparian habitat present in the project site. There is more potential for this species to forage within the project site than to nest.
Toxostoma redivivum	California thrasher	BCC/None	None	Primarily chaparral, but also coastal scrub, riparian woodland, oak woodland, piñon and juniper woodland, Joshua tree woodland, lower desert scrub, Great Basin scrub, and mesquite thickets	Not expected to occur. No suitable vegetation present and site is highly disturbed and surrounded by anthropogenic development.
Tringa semipalmata	willet	BCC/None	None	Breeds in and adjacent to wetlands. Overwinters in mudflat, marsh, sandy beach, and rocky coast habitats.	Not expected to occur. Wetland habitat on site is highly disturbed and surrounded by anthropogenic development.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Covered	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Low potential to occur. Riparian habitat is disturbed which limits nesting and foraging opportunities; site is surrounded by anthropogenic development. Most recent CNDDB occurrence is from 2017 about 1 mile away from the site.

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Invertebrates					
Branchinecta sandiegonensis	San Diego fairy shrimp	FE/None	Covered	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. There is no vernal pool habitat or other suitable ephemerally-pooling habitat present to support this species.
Streptocephalus woottoni	Riverside fairy shrimp	FE/None	Covered	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. There is no vernal pool habitat or other suitable ephemerally-pooling habitat present to support this species.
Mammals					
Antrozous pallidus	pallid bat	None/SSC	None	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Not likely to roost due to lack of suitable rocky areas present on site.
Chaetodipus californicus femoralis	Dulzura pocket mouse	None/SSC	None	Open habitat, coastal scrub, chaparral, oak woodland, chamise chaparral, mixed-conifer habitats; disturbance specialist; 0 to 3,000 feet above mean sea level	Not likely to inhabit. Limited suitable coastal scrub habitat present on site.
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/SSC	None	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon–juniper, and annual grassland	Not likely to inhabit due to lack of suitable gravelly or rocky soil used for burrows present on site.
Choeronycteris mexicana	Mexican long-tongued bat	None/SSC	None	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon–juniper woodland; roosts in caves, mines, and buildings	Not expected to roost. Lack of suitable roosting habitat.
Corynorhinus townsendii	Townsend's big-eared bat	None/SSC	None	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, man-made structures, and tunnels	Not expected to roost. Lack of suitable roosting habitat.
Dasypterus xanthinus	western yellow bat	BCC/SSC	None	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms.	Not expected to roost. Riparian habitat on site is disturbed, therefore there is a lack of suitable roosting habitat.
Dipodomys stephensi	Stephens' kangaroo rat	FE/ST	None	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Euderma maculatum	spotted bat	None/SSC	None	Foothills, mountains, desert regions of southern California, including arid deserts, grasslands, and mixed-conifer forests; roosts in rock crevices and cliffs; feeds over water and along washes	Low potential to roost. May use buildings for roosting, but site is in a suburban/urban setting which limits foraging opportunities.
Eumops perotis californicus	western mastiff bat	None/SSC	None	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not likely to roost due to lack of suitable rocky canyons and cliffs present on site.
Lasiurus blossevillii	western red bat	None/SSC	None	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	Low potential to occur. Roosts primarily in trees adjacent to streams and urban areas. Although trees are present, the project site is highly disturbed.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	None/None	None	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Not expected to occur. No suitable vegetation present and site is highly disturbed and surrounded by anthropogenic development.
Myotis ciliolabrum	western small-footed myotis	None/None	None	Arid woodlands and shrublands, but near water; roosts in caves, crevices, mines, abandoned buildings	Moderate potential to occur. May use adjacent man-made structures for roosting habitat.
Myotis evotis	long-eared myotis	None/None	None	Brush, woodland, and forest habitats from sea level to 9,000 feet above MSL; prefers coniferous habitats; forages along habitat edges, in open habitats, and over water; roosts in buildings, crevices, under bark, and snags; uses caves as night roosts	Moderate potential to occur. May use adjacent man-made structures for roosting habitat.

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Myotis yumanensis	Yuma myotis	None/None	None	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	Moderate potential to occur. May use adjacent man-made structures for roosting habitat.
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	None	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. There is no suitable scrub or chaparral habitat, and the site is highly disturbed and surrounded by anthropogenic development.
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	None	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable desert habitat present.
Nyctinomops macrotis	big free-tailed bat	None/SSC	None	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not likely to roost due to lack of suitable rocky outcrops and high cliffs present on site.
Perognathus longimembris pacificus	Pacific pocket mouse	FE/SSC	None	fine-grained sandy substrates in open coastal strand, coastal dunes, and river alluvium	Not likely to inhabit due to lack of suitable open coastal area or coastal dune habitat present on site. Thought to be extirpated except for very close to the coast in a few remaining locations. Closest location is at Camp Pendleton.
Taxidea taxus	American badger	None/SSC	Covered	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. There is a small amount of open, undeveloped habitat present within the project site, but this species is not expected to occur in developed areas with high levels of human disturbance.
Reptiles					
Anniella stebbinsi	southern California legless lizard	None/SSC	None	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. There is very little suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Arizona elegans occidentalis	California glossy snake	None/SSC	None	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Not expected to occur. There is very little suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Aspidoscelis hyperythra	orange-throated whiptail	None/WL	Covered	Low-elevation coastal scrub, chaparral, and valley–foothill hardwood	Not expected to occur. There is no suitable coastal sage scrub and very little adjacent open habitat present in the project site to support this species.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	None	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Low potential to occur. There is small amount of disturbed habitat present in the project site. Potential to occur is lower due to the project site being surrounded by anthropogenic development.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	None	Rocky areas within coastal scrub and chaparral	Not expected to occur. There is no suitable rocky habitat present to support this species, and the site is highly disturbed and surrounded by anthropogenic development.
Crotalus ruber	red diamondback rattlesnake	None/SSC	None	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.
Diadophis punctatus similis	San Diego ringneck snake	None/None	None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland habitats	Not expected to occur. No suitable habitat present and site is highly disturbed and surrounded by anthropogenic development.

Species	Common Name	Status (Federal/ State)	City of San Diego MSCP Subarea Plan	Habitat	Potential to Occur
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Covered	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Not expected to occur. The project site is disturbed and partially developed, which generally results in high presence of non-native Argentine ants and lack of native harvester ants.
Salvadora hexalepis virgultea	coast patch-nosed snake	None/SSC	None	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. There is no suitable coastal sage scrub present, and the site is highly disturbed and surrounded by anthropogenic development.
Thamnophis hammondii	two-striped gartersnake	None/SSC	None	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. Site is highly disturbed and surrounded by anthropogenic development.

Status Legend
Federal
BCC: USFWS—Birds of Conservation Concern
FE: Federally listed as endangered
FT: Federally listed as threatened
FPD: Federally proposed for delisting
State
FP: CDFW Fully Protected species
SE: State listed as endangered
ST: State listed as threatened
SSC: California Species of Special Concern
WL: CDFW Watch List species

Appendix D

Arborist Report for the Harmon Ranch Project

HARMON RANCH
TREE INVENTORY AND ARBORIST REPORT

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
Applicant	Lennar Homes of California LLC
City	City of Poway
DSH	diameter at standard height
GIS	geographic information systems
ISA	International Society of Arboriculture
project	Harmon Ranch Specific Plan and Tentative Map

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1 Introduction

Dudek evaluated and recorded information about regulated trees for the proposed Harmon Ranch Specific Plan and Tentative Map Project (project) in the City of Poway (City), California, and prepared this tree inventory and arborist report. Specifically, Dudek evaluated and recorded information about native trees as defined by Section 12.32.040 (Definitions) of the City's Municipal Code. Furthermore, this tree inventory and arborist report evaluates project-related impacts and provides recommendations for tree preservation, protection, and mitigation in accordance with the City's Municipal Code (City of Poway 2023). The project site is located in Poway, California, and, as such, this Arborist Report is prepared in accordance Chapter 12.32 of the City's Municipal Code.

Dudek's arborists, certified by the International Society of Arboriculture (ISA), performed various tasks associated with surveying, inventorying, and evaluating the condition of the site's trees, as described in the following sections. The purpose of this tree inventory and arborist report is to present the physical characteristics, mapped locations, impact and preservation totals, and appropriate mitigation for impacts to protected trees, if any occur. The tree quantities and related project impacts were analyzed and are reported in the following sections.

1.1 Site Description

The proposed project site is located within the southern area of the City, south of Poway Road and east of Pomerado Road (Figure 1). The approximately 11.5-acre project site comprises approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets and 0.5 acres of public right-of-way (Oak Knoll Road). The 11.5-acre project site is currently designated Residential Single Family 7 (RS-7) in the Poway General Plan (City of Poway 1991), which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of 8 dwelling units per acre (Figure 2). Surrounding land uses include a mix of retail land uses and the Kumeyaay Interpretive Center to the north; Oak Knoll Road, Poway Creek, and existing single-family homes to the south and east, which are also designated RS-7; and an apartment community to the west.

Throughout the site, topography ranges from about 440 to 510 feet above mean sea level. The northern portion of the project site previously containned a San Diego Gas & Electric storage yard and several small, uninhabited buildings. There is also a small drainage that runs through the northwestern corner of the site, which has steep drops at the associated cement culverts at either end; one culvert is along the western project boundary, and the other is along the northern project boundary. Also associated with the drainage is disturbed riparian and disturbed wetland habitat. The remainder of the northern portion of the project site consists primarily of disturbed habitat including non-native, invasive, and ornamental plant species.

The southern portion of the project boundary contains a small uninhabited residence and disturbed habitat adjacent to Oak Knoll Road. Further into the site, there are large stands of invasive *Arundo donax* that surround Poway Creek,which runs east–west through the southern portion of the project site. Along Poway Creek, there is also disturbed riparian habitat with a high proportion of non-native invasive plant species.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was previously used as a construction staging yard for a San Diego Gas & Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and

known as the "Harmon House." The historic home will be retained in place within a 0.25-acre site as part of the project. The historic home site will be designated Residential – Historic Home within the Specific Plan.

1.2 Project Description

Lennar Homes of California LLC (Applicant) is proposing a residential neighborhood on an approximate 11.55-acre project site. The proposed project would include 64 single-family detached homes. The proposed project density (8.8 units/acre) is slightly higher than the 8.0 units/acre permitted in the existing RS-7 designation. Primary access to the project site is planned via existing Oak Knoll Road. Fifty-nine of the new homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road. The existing historic home has direct access via Oak Knoll Road.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of 64 single-family homes. The Harmon Ranch Specific Plan will establish three land use districts within the project site: Residential Single Family (R-SF); Open Space (OS); and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district. Appendix D, Land Use Plan, shows the proposed development in detail.

The proposed project is composed of 64 single-family homes on lots 42 feet wide and 85 to 90 feet deep, with standard two-car garages and 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces within the private lots and private fenced rear yards. The proposed project also includes 40 guest parking spaces along the private streets, approximately 1.0 acre of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas, and a segment of the General Plan Community Trail (approximately 1,000 feet) within the project site. A potential off-site trail connection to the adjacent retail area located to the north may occur in the future, subject to property owner cooperation, but is not part of the proposed project. The "overlook" area located in the south portion of the project site is planned to provide public access and will be privately maintained. Table 1 describes in detail the allocation of proposed land uses.

Table 1. Land Use Summary

Use/Land Use	Approx. Net Acres (AC)	Percent of Planning Area	Maximum Dwelling Units (DU)1	Density (DU/AC)2
Non-residential Land Uses				
Open Space (OS-1 & 2) (Floodway)	1.88	16.3%	N/A	N/A
Open Space (OS-3 & 4)	0.31	2.7%	N/A	N/A
Open Space Recreation (OSR-1 to 7)	0.99	8.6%	N/A	N/A
Subtotal Open Space	*3.18*	*27.6%*	*N/A*	*N/A*
Private Internal Residential Streets	1.88	16.3%	N/A	N/A
Oak Knoll Road right-of-way (existing)	0.49	4.3%	N/A	N/A
Subtotal Streets	*2.37*	*20.6%*	*N/A*	*N/A*
Subtotal Non-residential	*5.55*	*48.2%*	*N/A*	*N/A*
Residential (R) Land Use				
Residential Single Family (R-SF) (Lots 1 to 64)	5.96	51.8%	64	—
Subtotal Residential	*5.96*	*51.8%*	*64*	—
Total Specific Plan Area3	**11.51**	**100%**	**64**	**8.8**

Notes: N/A = does not apply.

1 Statistics are based upon preliminary design and may vary slightly from Development Plan, Tentative Map, and/or Final Map. Refer to Chapter 7 regarding substantial conformance.

2 Pursuant to State Law, local governments cannot preclude an Accessory Dwelling Unit (ADU) or Junior Accessory Dwelling Units (JADU). An ADU and JADU is an accessory use for the purposes of counting allowable density under general plan and zoning and is therefore not counted as an additional unit. An ADU and JADU shall be permissible in accordance with the PMC or, if the locally adopted ordinance is void, the State Government Code. See Section 3.2.2.G for information regarding ADUs.

3 Open Space areas within the floodway (OS-1 and OS-2) and public street (Oak Knoll Road) and internal private streets are excluded from the density calculation. The following calculation was utilized to determine the net residential density for the project: Residential (5.96 ac) + Open Space Recreation Lots 1-7 (0.99 ac) + Open Space Lots 3 and 4 (0.31 ac) = 7.26 ac. 64 / 7.26 = 8.8.

Discretionary actions that require Poway City Council consideration include the following:

- Environmental Impact Report
- General Plan Amendment/Zone Change from Residential Single-Family 7 (RS-7) to Planned Community (PC)
- Tentative Map
- Development Review Permit
- Final Map

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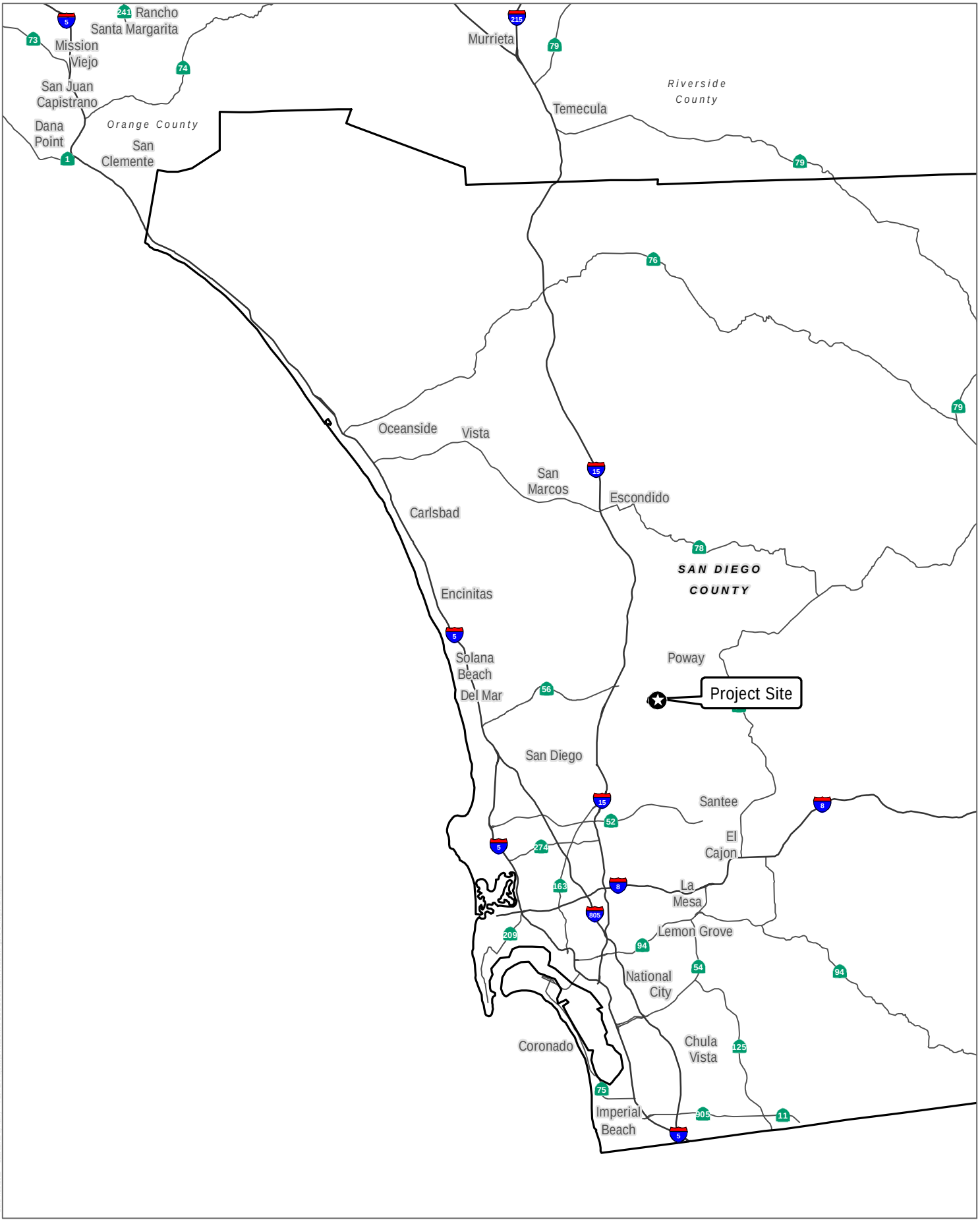

SOURCE: ESRI 2022

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FIGURE 1

Regional Map

Harmon Ranch Project

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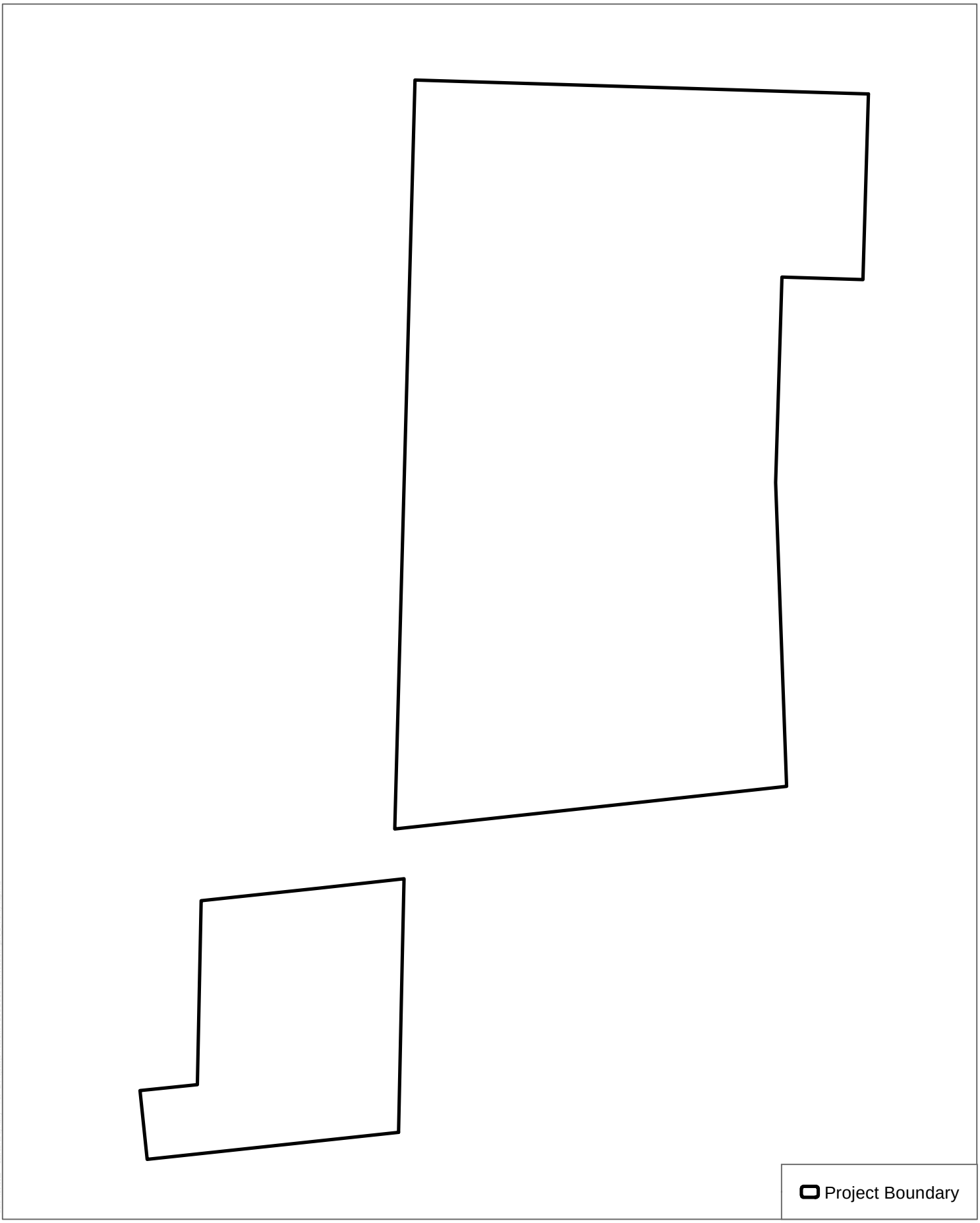

SOURCE: NAIP IMAGERY 2020

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FIGURE 2

Vicnity Map

Harmon Ranchl Project

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2 Methods

2.1 Individual Tree Evaluation

Consistent with Chapter 12.32 of the City's Municipal Code, this arborist report is based on information compiled through field reconnaissance and a review of appropriate site reference materials, including aerial photography, U.S. Geological Survey topographic maps, and digital ortho-quarter quadrangle data. Dudek ISA Certified Arborists conducted a tree survey on the project site on July 13, 2022.

Chapter 12.32 of the City's Municipal Code protects all "native" trees, as defined in Section 12.32.040. Native trees, according to Section 12.32.040, include any tree of the following species: Coast live oak (*Quercus agrifolia*), Canyon live oak (*Quercus chrysolepis*), Engelmann oak (*Quercus engelmannii*), and California sycamore (*Platanus racemosa*).

All trees meeting the City's definition of "native" located on the project site were assessed, inventoried, mapped, and plotted on a tree location exhibit (Appendix A). No tree tags were placed on the trunks of inventoried trees. Tree ID numbers correspond to the tree locations presented in Appendix A and the tree information matrix in Appendix B.

The location of each mature tree was mapped using a Trimble Pathfinder Pro XH GPS receiver (Appendix A). The Pathfinder has a horizontal accuracy of 1 meter (1 sigma) using differential code positioning techniques. Because tree canopies can sometimes cause loss of satellite lock by blocking the line of sight to satellites, an electronic compass and reflectorless electronic distance measuring device were also used in mapping tree locations. The electronic distance measuring device/compass combination operates in concert with the Pathfinder system to position offsets, and offset information is automatically attached to the GPS position data string.

Concurrent with tree mapping efforts, Dudek arborists collected the following tree attribute data: species, quantity of individual trunks, individual trunk diameters, overall height, canopy extent, and general health and structural conditions. Trunk diameter measurements were collected at 4.6 feet above the ground along the trunk axis, with a few exceptions. In cases where a tree's trunk was located on a slope, the 4.6-foot distance was approximated as the average of the shortest and longest sides of the trunk (i.e., the uphill side and downhill side of a tree's trunk), and the measurement was made of the circumference of the trunk at this point. Tree height measurements were ocular estimates made by experienced field arborists. Tree canopy diameters were typically estimated by "pacing off" the measurement based on the investigator's knowledge of his stride length or by visually estimating the canopy width. Tree-crown diameter measurements were made along an imaginary line intersecting the tree trunk that best approximated the average canopy diameter.

Pursuant to the Guide for Plant Appraisal (ISA 2000), tree health and structure were evaluated with respect to five tree components: roots, trunk(s), scaffold branches, small branches, and foliage. Each component of the tree was assessed for health factors such as insect, fungal, or pathogen damage; fire damage; mechanical damage; presence of decay; presence of wilted or dead leaves; and wound closure. Components were graded as good, fair, poor, or dead, with "good" representing no apparent problems, and "dead" representing a dying or dead tree. This method of tree condition rating is comprehensive and results in ratings that are useful for determining the status of trees based on common standards. Trees in natural settings have important habitat value, even when they are in poor health, as evidenced by numerous cavity nesters and insects that thrive on and within oak trees. However, this assessment focused on tree health and structure to analyze potential project impacts, and, where necessary, to provide recommendations for mitigating potential tree hazards such as weak limb attachments, cavities, rot, or excessive lean.

Upon completion of field data collection and mapping, raw GPS data was post-processed using GPS Pathfinder Office (version 5.4), and individual tree location data was compiled and updated in geographic information system (GIS) software. The digital tree locations were linked to individual tree identification numbers and associated tree attribute data. This data set was then evaluated using ArcGIS (version 10.1) software to determine the position of individual trees related to the proposed project's development areas. Data resulting from this analysis were used to evaluate the individual tree impact totals presented in this report.

2.2 Scope of Work Limitations

No root crown excavations or investigations, aerial evaluations, or internal probing was performed during the tree assessment. Therefore, the presence or absence of internal decay or other hidden inferiorities in individual trees could not be confirmed. It is recommended that any large tree proposed for preservation in an area that receives human use be thoroughly inspected for internal and/or subterranean decay by a qualified ISA Certified Arborist before finalizing preservation plans.

3 Observations

3.1 Individual Trees

There are 157 trees representing 19 different species located within the project tree survey area. The 157 trees comprise one "native" oak tree and 156 non-jurisdictional trees. As Table 2 indicates, a majority (156 trees) of the inventoried trees do not meet the "native" tree criteria established in Chapter 12.32 of the City Municipal Code. Table 2 provides a summary of the 19 individual species mapped and evaluated within the tree survey area. The tree location exhibit in Appendix A presents the location of the individual trees mapped and assessed for the project.

Overall, the trees exhibit growth and structural conditions that are typical of their locations as both landscape and natural trees. The trees include various trunk and branch maladies, as well as varying health and structural conditions. As presented in the tree information matrix in Appendix B, 50.96% (80 trees) of the individually mapped trees exhibit good health condition; 46.5% (73 trees) are in fair health condition; and 2.55% (4 trees) are in poor health condition. The single oak tree was found to be in good health. Structurally, 28.6% (45 trees) of the individually mapped trees are considered to exhibit good structure, 68.15% (107 trees) exhibit fair structure, and 3.18% (5 trees) exhibit poor structure. The single oak tree was found to have good structure. Good condition trees exhibit acceptable vigor, healthy foliage, and adequate structure, and lack of any major maladies. Fair condition trees are typical, with few maladies but declining vigor. Poor condition trees exhibit declining vigor, unhealthy foliage, poor branch structure, and/or excessive lean.

Table 2. Summary of Trees at Project Site

Scientific Name	Common Name	Number of Trees
Eucalyptus camaldulensis	Red gum eucalyptus	21
Eucalyptus polyanthemos	Silver dollar gum eucalyptus	1
Fraxinus uhdei	Shamel ash	2
Grevillea robusta	Silk oak	2
Koelreuteria bipinnata	Chinese flame	1
Melia azedarach	Chinaberry	1
Olea europaea	Olive	4
Phoenix canariensis	Canary Island date palm	1
Pinus halepensis	Aleppo pine	2
Pistacia chinensis	Chinese pistache	4
Platanus acerifolia	London plane	1
Populus fremontii	Fremont cottonwood	3
Quercus agrifolia	Coast live oak	1
Salix gooddingii	Goodding's willow	28
Schinus molle	Peruvian pepper	19
Schinus terebinthifolius	Brazilian pepper	11
Ulmus parvifolia	Chinese elm	2
Ulmus pumila	Siberian elm	1
Washingtonia robusta	Mexican fan palm	52
	Total	**157**

Trees within the tree survey area vary in size and stature according to species and available growing space. The trees on site are primarily single stemmed with trunk diameters ranging from 3 to 32 inches diameter at standard height (DSH). Multi-stemmed trees with 2 to 25 stems (multi-stemmed Brazilian pepper re-sprout) have individual diameters of up to 23 inches DHS. The site's single oak tree has a DSH of 7 inches. Tree heights vary from 4 to 50 feet. Taller trees (40-plus feet) are represented primarily by the site's Mexican fan palms. The site's oak tree is approximately 15 feet tall. Tree crown extents range from 5 feet to nearly 45 feet at their widest points. The site's only oak tree has a crown width of approximately 12 feet.

4 Tree Preservation

4.1 Regulatory Definitions and Requirements

Tree protection, removal, and replacement standards are included in the City's Urban Forestry Ordinance, which is Chapter 12.32 of the City's Municipal Code. The Urban Forestry Ordinance recognizes "native" trees as especially important in the practice of urban forestry. Sections 12.32.010 through 12.32.220 set forth rules and standards related to mature tree removal, protection, and replacement. The following text is taken from the City's Urban Forestry Ordinance (City of Poway 2000).

Section 12.32.040 (Definitions)

1. "Heritage tree" means any mature tree or mature stand of trees designated by the City Council as having historic or cultural significance.
2. "Native tree" means any tree of the following species: Coast Live Oak (Quercus agrifolia), Canyon Live Oak (Quercus chrysolepis), Engelmann Oak (Quercus engelmannii), and California Sycamore (Platanus racemosa).

Section 12.32.150 (Private Tree Removal Permit)

A. The Director of Development Services shall maintain the City's private tree removal permit records and issue such permits.

B. A property owner shall first obtain a private tree removal permit authorizing the removal of a private tree that is a native tree or a heritage tree subject to terms and conditions deemed appropriate by the Director of Development Services or his/her designee. On commercial and industrial property, a permit shall be required for the removal of any living tree greater than three inches in diameter.

C. Applicants shall be expected to replace these types of trees in accordance with PMC 12.32.170; "Replacement of Trees." The Director of Development Services, or his/her designee shall review each private tree removal permit application and make a recommendation as to whether the permit shall be issued or denied. The decision to issue or deny the permit and any terms and conditions of the permit shall be based on the following criteria:

1. The condition of the tree with respect to disease, general health, damage, public nuisance, danger of falling, proximity to existing or proposed structures and interference with utility services, age or remaining life span, and whether or not the tree acts as host for a plant which is parasitic to other species of trees which are in danger of being infested or exterminated by the parasite;
2. The necessity of the requested action to construct improvements, or allow economic or other enjoyment of the property;
3. The topography of the land and the effect of the requested action on erosion, soil retention, water retention, and diversion or increased flow of surface water;

4. The number, species, size, and location of existing trees in the area and the effect of the requested action in terms of providing shade, protection from wind, air pollution reduction, historic or cultural value, and scenic beauty upon the health, safety, aesthetics, and general welfare of the City as a whole;
5. Generally accepted International Society of Arboriculture practices addressing topics such as, but not limited to, the number of healthy trees a given parcel of land will support;
6. Native trees shall be retained unless their removal is absolutely necessary. (Ord. 521 § 1(B), 2000)

4.1.1 Migratory Bird Treaty Act

The Migratory Bird Treaty Act requires that any tree removal or potentially disturbing construction activities occur during certain months to avoid harassment of nesting birds. According to the Migratory Bird Treaty Act, no construction or other disturbing activities can occur within 500 feet of an active bird nest from January through June each year. Biological surveys should be conducted to provide clearance before initiation of project construction.

4.2 Impacts

Tree impacts were determined using GIS technology and spatial locations of trees relative to the proposed project impact areas (limits of grading). Upon determining the individual tree locations in relation to the limits of grading, Dudek evaluated the specific type of work that is proposed to occur within and immediately adjacent to the potentially impacted trees. Impacts were determined based on Dudek's experience with native and non-native trees and their typical reactions to root disturbances from construction activities such as soil compaction, excavation, and remedial grading. The impact analysis results presented herein were used to develop mitigation measures for the proposed project.

Impacts to trees can be classified as either direct or indirect. Direct impacts to trees related to site improvements are typically the result of physical injuries or changes caused by machinery involved with the development process. Direct impacts include tree removal, root damage, soil excavation and compaction, grade changes, loss of canopy, and trunk wounds, among others. Indirect impacts to trees are the result of changes to the site that may cause tree decline, even when the tree is not directly injured. Indirect impacts include alterations to stream flow rates, diversion of groundwater flow, introduction of exotic plant species, and alterations to disturbance regimes. Wider-scale alterations to the area near trees, plus specific changes that occur around the trees, are important considerations.

There is a great deal of variation in tolerance to construction impacts among tree species, ages, and conditions. It is important to know how a certain tree, based on its species, age, and condition, would respond to different types of disturbance. The trees in the project site are of varying ages and conditions. Mature specimens are typically more sensitive to root disturbance and grade changes. In general, healthy trees will respond better to changes in their growing environment. Trees in poor health or stressed conditions may not be vigorous enough to cope with direct or indirect impacts from construction activities.

Impact totals presented herein are based on conceptual disturbance limits as of the date of this tree inventory and arborist report. As such, the actual number of trees that are subject to direct impacts may change as the site planning process proceeds.

4.2.1 Tree Impacts

Based on proposed project development plans, it is estimated that 59 trees on the proposed project site will require removal. Of the 59 trees identified for removal, one is a protected "native" oak, and the remaining 58 trees are non-protected ornamental trees. Details regarding individual tree disposition status can be found in Appendix B and seen in Appendix C, Tree Impacts.

4.3 Mitigation

Section 12.32.170 of the City's Municipal Code identifies tree replacement standards for projects affecting "native" trees. Section 12.32.170 specifically states,

> Any person removing a live tree pursuant to a permit issued by the Director of Development Services or his/her designee shall replace such tree on a one-for-one basis with a tree of the same size of a species and in a location approved by the Director of Development Services or his/her designee. Where the tree to be removed exceeds the size of a 72-inch-box specimen (approximately eight inches in diameter), two 48-inch box specimen trees shall be used as replacements. These requirements may be waived or modified by the Director of Development Services if it is determined that the requirements impose an unreasonable hardship (Ord. 521 Section 1(B), 2000).

Based on proposed project development plans, it is estimated that 59 trees on the proposed project site will require removal. Of the 59 trees identified for removal, one is a "native" oak tree and the remaining 58 are non-jurisdictional. Based on Section 12.32.170 of the City of Poway's Municipal Code, the minimum mitigation planting requirements for the removal of one "native" oak tree is one-for-one basis with a tree of the same size. As such, based on the size of the tree (7 inches in diameter) and the City requirements, Dudek recommends planting one 96-inch box coast live oak tree in the post-construction landscape. Furthermore, to account or the loss of 58 additional non-protected trees, Dudek recommends that as many trees as feasible be replanted on the project sites. Based on a review of the site's available planting area and landscape plan, the site can support up to 42 trees within the specific plan area. As such, Dudek recommends planting, as feasible, 42 15-gallon (or larger) drought-tolerant trees in the post-construction landscape. It should be noted that the City ordinance only requires replacement of the single "native" oak tree and that replacement of the additional 42 trees is not required by the City ordinance.

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5 Tree Protection

Based on the proposed project footprint, 98 of the inventoried trees on or adjacent to the proposed project site will be retained. Tree protection is a key component in the continued success of the trees on site, especially those immediately adjacent to the project footprint (encroachment trees). As such, it is recommended that the 87 preserved and 11 encroached-upon trees be protected in accordance with the tree protection measures in Appendix E.

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6 Conclusion

Dudek inventoried and evaluated 157 trees on and adjacent to the proposed project site, of which one tree meets the City's definition of protected "native" tree. Based on Section 32.170 of the City's Municipal Code the minimum mitigation planting requirements for the removal of one "native" oak tree is one-for-one with a tree of the same size of a species. As such, based on the size of the tree (7 inches in diameter) and the City requirements, Dudek recommends planting one 96-inch box coast live oak tree in the post-construction landscape. Furthermore, to account or the loss of 58 additional non-protected trees, Dudek recommends that 58 15-gallon drought tolerant trees be planted in the post-construction landscape. It should be noted that the City ordinance only requires replacement of the single "native" oak tree and that replacement of the additional 58 trees is not required by the City ordinance. Furthermore, Dudek recommends that the remaining 11 encroached-upon trees be preserved in accordance with the tree protection measures provided in Appendix E.

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7 Disclaimer

This report provides conclusions and recommendations based on a visual examination of the trees and surrounding site by an ISA Certified Arborist and reasonable reliance on the completeness and accuracy of the information provided to the arborist. The examination did not include subterranean or internal examination of the trees.

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees; recommend measures to enhance the beauty and health of trees; and attempt to reduce the risk of living near them. Although trees provide many benefits to those who live near them, they also include inherent risks from breakage or failure, which can be minimized but not eliminated.

Arborists cannot detect every condition that could possibly lead to the failure of a tree. Trees are living organisms subject to attack by disease, insects, fungi, weather, and other forces of nature, and conditions that lead to failure are often hidden within trees and below ground. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Arborists cannot predict acts of nature, including storms of sufficient strength, that can cause even an apparently healthy tree to fail. Additionally, arborists cannot guarantee that a tree will be healthy or safe under all circumstances or for any specific period of time. A tree's condition could change over a short or long period of time due to climatic, environmental, and other conditions. Further, there is no guarantee or certainty that recommendations or efforts to correct unsafe conditions will prevent future breakage or failure of a tree.

To live or work near trees is to accept some degree of risk. Neither the author of this report nor Dudek assumes any responsibility for, nor will they be liable for, any claims, losses, or damages for damage to any tree, death or injury to any person, or any loss of or damage to any personal or real property.

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8 References

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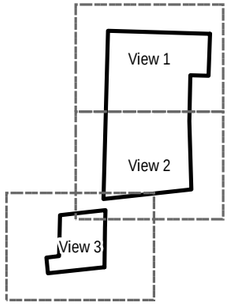
Appendix A

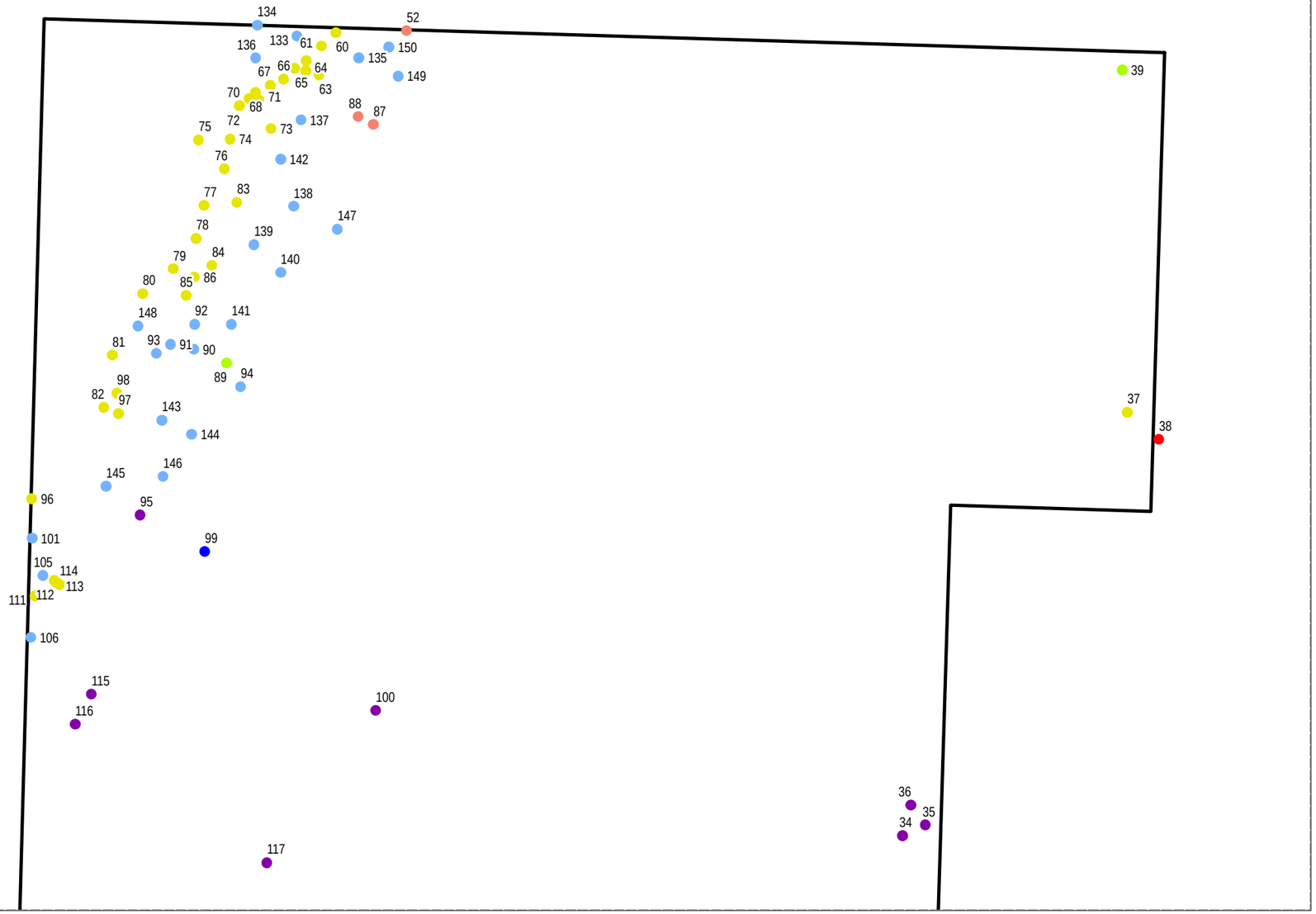
Tree Location Exhibit



Project Boundary

Species

- *Eucalyptus camaldulensis*, Red Gum
- *Eucalyptus polyanthemos*, Silver Dollar Gum
- *Fraxinus uhdei*, Shamel Ash
- *Grevillea robusta*, Silk Oak
- *Koelruteria bipinnata*, Chinese Flame
- *Melia azedarach*, Chinaberry
- *Olea europaea*, Olive
- *Phoenix canariensis*, Canary Island Date Palm
- *Pinus halepensis*, Aleppo Pine
- *Pistacia chinensis*, Chinese Pistache
- *Platanus acerifolia*, London Plane
- *Populus fremontii*, Fremont Cottonwood
- *Quercus agrifolia*, Coast Live Oak
- *Salix gooddingii*, Goodding's Willow
- *Schinus molle*, Peruvian Pepper
- *Schinus terebinthifolius*, Brazilian Pepper
- *Ulmus parvifolia*, Chinese Elm
- *Ulmus pumila*, Siberian Elm
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: NAIP IMAGERY 2020

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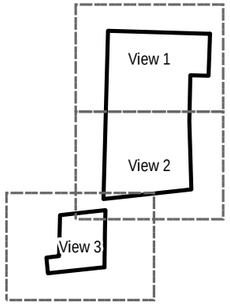
APPENDIX A - VIEW 1

Tree Locations

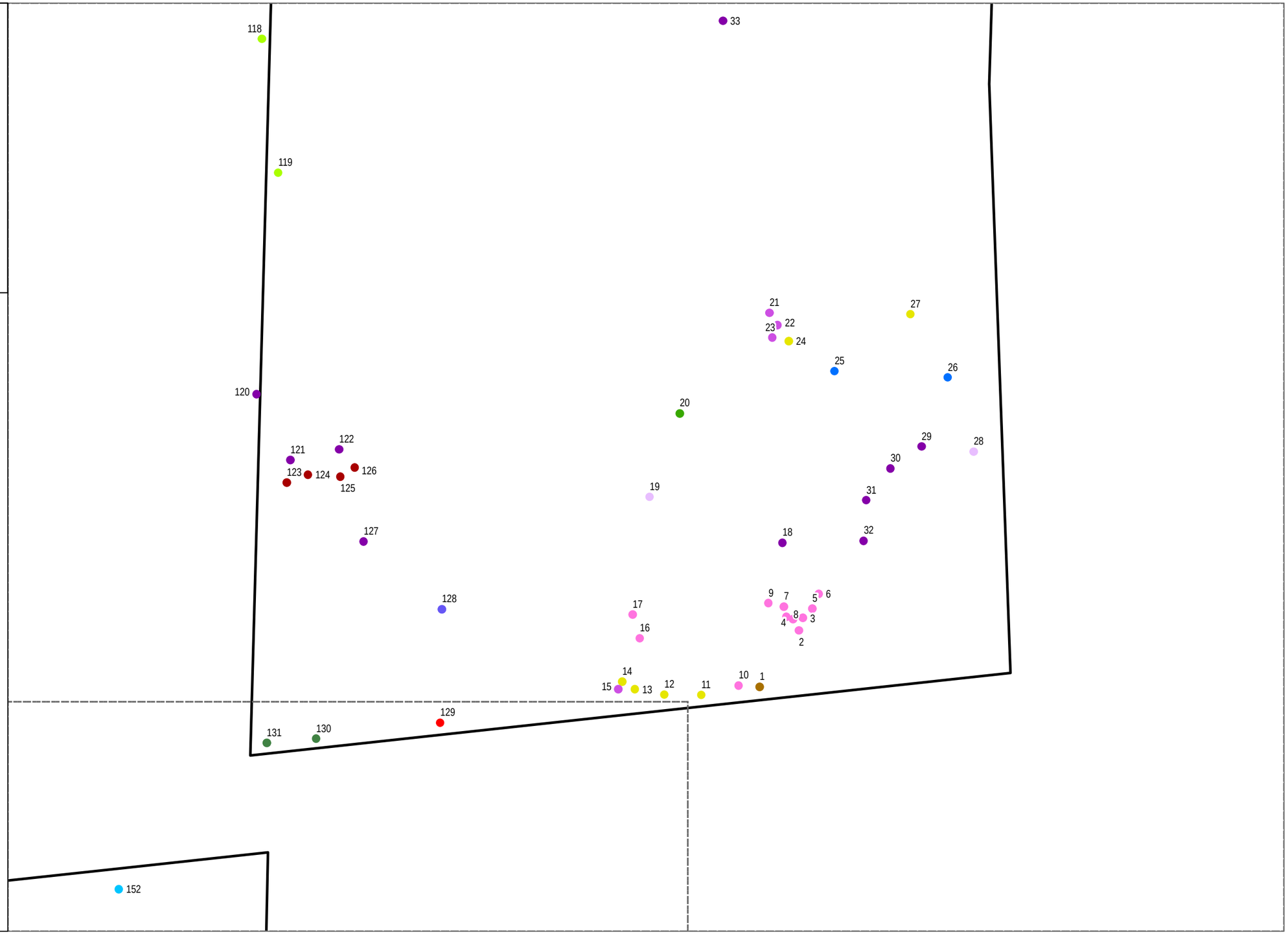
Harmon Ranch Project



Project Boundary

Species

- *Eucalyptus camaldulensis*, Red Gum
- *Eucalyptus polyanthemos*, Silver Dollar Gum
- *Fraxinus uhdei*, Shamel Ash
- *Grevillea robusta*, Silk Oak
- *Koelruteria bipinnata*, Chinese Flame
- *Melia azedarach*, Chinaberry
- *Olea europaea*, Olive
- *Phoenix canariensis*, Canary Island Date Palm
- *Pinus halepensis*, Aleppo Pine
- *Pistacia chinensis*, Chinese Pistache
- *Platanus acerifolia*, London Plane
- *Populus fremontii*, Fremont Cottonwood
- *Quercus agrifolia*, Coast Live Oak
- *Salix gooddingii*, Goodding's Willow
- *Schinus molle*, Peruvian Pepper
- *Schinus terebinthifolius*, Brazilian Pepper
- *Ulmus parvifolia*, Chinese Elm
- *Ulmus pumila*, Siberian Elm
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: NAIP IMAGERY 2020

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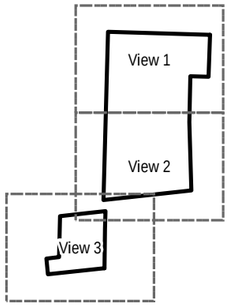
APPENDIX A - VIEW 2

Tree Locations

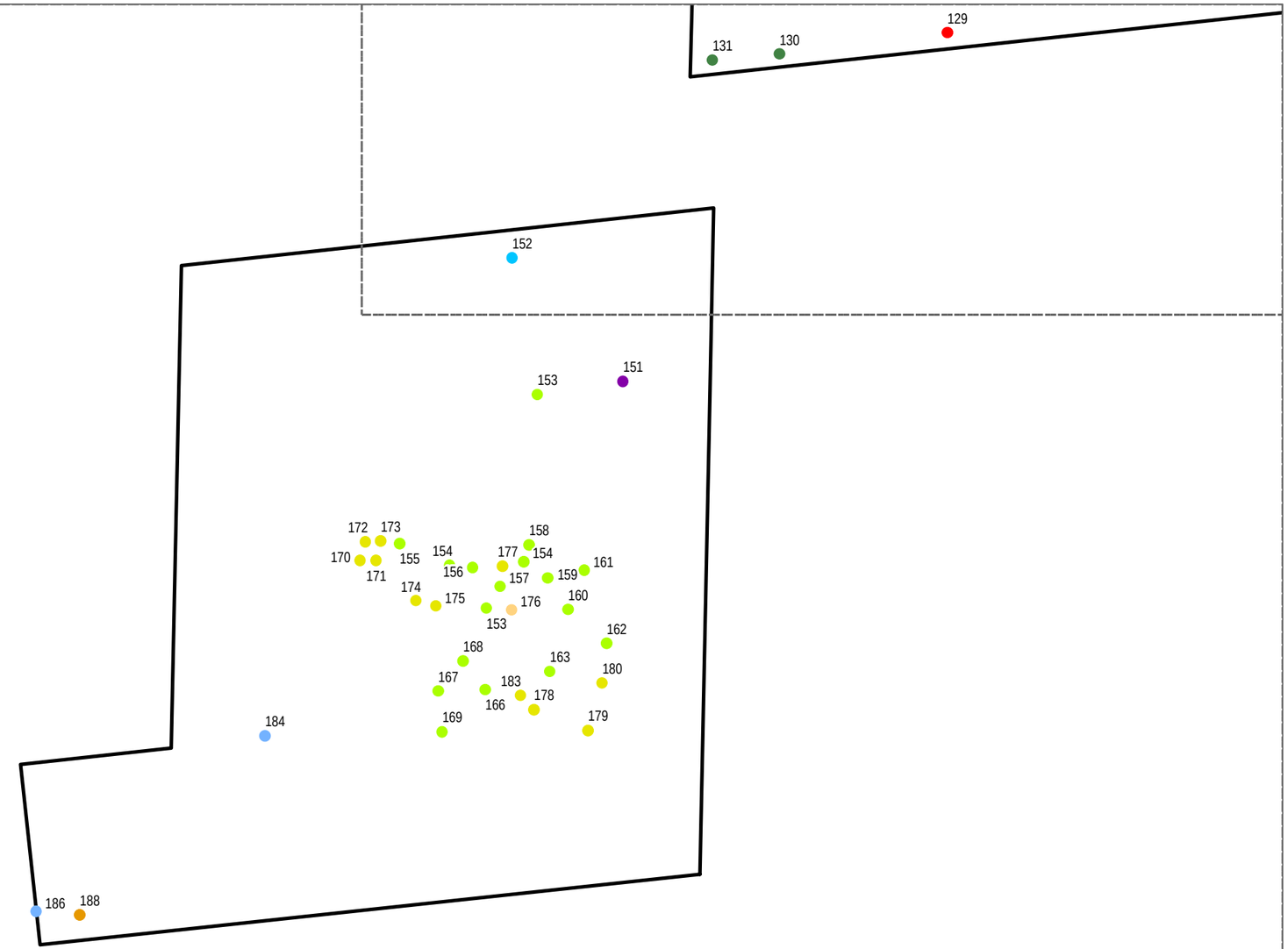
Harmon Ranch Project



Project Boundary

Species

- *Eucalyptus camaldulensis*, Red Gum
- *Eucalyptus polyanthemos*, Silver Dollar Gum
- *Fraxinus uhdei*, Shamel Ash
- *Grevillea robusta*, Silk Oak
- *Koelruteria bipinnata*, Chinese Flame
- *Melia azedarach*, Chinaberry
- *Olea europaea*, Olive
- *Phoenix canariensis*, Canary Island Date Palm
- *Pinus halepensis*, Aleppo Pine
- *Pistacia chinensis*, Chinese Pistache
- *Platanus acerifolia*, London Plane
- *Populus fremontii*, Fremont Cottonwood
- *Quercus agrifolia*, Coast Live Oak
- *Salix gooddingii*, Goodding's Willow
- *Schinus molle*, Peruvian Pepper
- *Schinus terebinthifolius*, Brazilian Pepper
- *Ulmus parvifolia*, Chinese Elm
- *Ulmus pumila*, Siberian Elm
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: NAIP IMAGERY 2020

0 30 60 Feet

APPENDIX A - VIEW 3

Tree Locations

Harmon Ranch Project

Appendix B

Tree Information Matrix

Tree No.	Botanical Name	Common Name	Number of Stems	Combined Stem Diameter (in.)	Individual Stem Diameter (in.)						Height (ft.)	Crown width (ft.)	Health	Structure	Regulation Status	Impact Status
					Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6						
1	Platanus acerifolia	London Plane	2	18	6	12	0	0	0	0	15	17	Fair	Good	Non Jurisdictional	Remove
2	Schinus terebinthifolius	Brazilian Pepper	1	8	8	0	0	0	0	0	17	23	Good	Good	Non Jurisdictional	Remove
3	Schinus terebinthifolius	Brazilian Pepper	7	39	7	9	7	7	7	2	20	25	Good	Good	Non Jurisdictional	Remove
4	Schinus terebinthifolius	Brazilian Pepper	3	20	7	7	6	0	0	0	20	25	Good	Good	Non Jurisdictional	Remove
5	Schinus terebinthifolius	Brazilian Pepper	2	12	8	4	0	0	0	0	20	25	Good	Good	Non Jurisdictional	Remove
6	Schinus terebinthifolius	Brazilian Pepper	3	19	8	5	6	0	0	0	20	25	Good	Good	Non Jurisdictional	Remove
7	Schinus terebinthifolius	Brazilian Pepper	3	20	8	8	4	0	0	0	20	25	Good	Good	Non Jurisdictional	Remove
8	Schinus terebinthifolius	Brazilian Pepper	2	7	3	4	0	0	0	0	15	20	Good	Good	Non Jurisdictional	Remove
9	Schinus terebinthifolius	Brazilian Pepper	5	25	4	4	8	6	3	0	23	25	Good	Good	Non Jurisdictional	Remove
10	Schinus terebinthifolius	Brazilian Pepper	2	4	2	2	0	0	0	0	25	20	Good	Good	Non Jurisdictional	Remove
11	Washingtonia robusta	Mexican Fan Palm	1	22	22	0	0	0	0	0	47	15	Good	Good	Non Jurisdictional	Remove
12	Washingtonia robusta	Mexican Fan Palm	1	22	22	0	0	0	0	0	48	15	Good	Good	Non Jurisdictional	Remove
13	Washingtonia robusta	Mexican Fan Palm	1	19	19	0	0	0	0	0	50	15	Good	Good	Non Jurisdictional	Remove
14	Washingtonia robusta	Mexican Fan Palm	1	19	19	0	0	0	0	0	50	15	Good	Good	Non Jurisdictional	Remove
15	Olea europaea	Olive	8	17	5	1	2	4	2	3	18	17	Good	Fair	Non Jurisdictional	Remove
16	Schinus terebinthifolius	Brazilian Pepper	14	24	5	5	5	4	2	3	21	30	Good	Fair	Non Jurisdictional	Remove
17	Schinus terebinthifolius	Brazilian Pepper	25	24	5	5	5	4	2	3	21	30	Good	Fair	Non Jurisdictional	Remove
18	Schinus terebinthifolius	Brazilian Pepper	2	13	6	7	0	0	0	0	27	23	Good	Fair	Non Jurisdictional	Remove
19	Ulmus parvifolia	Chinese Elm	1	25	25	0	0	0	0	0	35	30	Fair	Fair	Non Jurisdictional	Remove
20	Eucalyptus polyanthemos	Silver Dollar Gum	1	26	26	0	0	0	0	0	42	45	Good	Fair	Non Jurisdictional	Remove
21	Olea europaea	Olive	10	25	5	5	5	5	4	1	12	20	Good	Fair	Non Jurisdictional	Remove
22	Olea europaea	Olive	5	23	10	5	5	2	1	0	12	20	Good	Fair	Non Jurisdictional	Remove
23	Olea europaea	Olive	3	3	1	1	1	0	0	0	12	20	Good	Fair	Non Jurisdictional	Remove
24	Washingtonia robusta	Mexican Fan Palm	1	25	25	0	0	0	0	0	34	15	Good	Good	Non Jurisdictional	Remove
25	Fraxinus uhdei	Shamel Ash	2	22	14	8	0	0	0	0	18	33	Good	Good	Non Jurisdictional	Remove
26	Fraxinus uhdei	Shamel Ash	2	31	23	8	0	0	0	0	25	45	Good	Good	Non Jurisdictional	Remove
27	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	35	15	Good	Good	Non Jurisdictional	Remove
28	Ulmus parvifolia	Chinese Elm	1	20	20	0	0	0	0	0	29	27	Good	Good	Non Jurisdictional	Remove
29	Schinus molle	California Pepper	1	24	24	0	0	0	0	0	43	40	Good	Good	Non Jurisdictional	Remove
30	Schinus molle	California Pepper	2	25	12	13	0	0	0	0	40	35	Good	Fair	Non Jurisdictional	Remove
31	Schinus molle	California Pepper	1	12	12	0	0	0	0	0	40	35	Good	Good	Non Jurisdictional	Remove
32	Schinus molle	California Pepper	2	25	12	13	0	0	0	0	40	35	Good	Good	Non Jurisdictional	Remove
33	Schinus molle	California Pepper	1	31	31	0	0	0	0	0	35	35	Fair	Good	Non Jurisdictional	Remove
34	Schinus molle	California Pepper	9	51	12	7	13	6	3	10	35	35	Fair	Fair	Non Jurisdictional	Remove
35	Schinus molle	California Pepper	1	11	11	0	0	0	0	0	35	35	Poor	Fair	Non Jurisdictional	Remove
36	Schinus molle	California Pepper	4	82	20	20	22	20	0	0	35	35	Fair	Fair	Non Jurisdictional	Remove
37	Washingtonia robusta	Mexican Fan Palm	1	23	23	0	0	0	0	0	43	10	Good	Good	Non Jurisdictional	Remove
38	Pinus halepensis	Aleppo Pine	1	32	32	0	0	0	0	0	29	36	Fair	Fair	Non Jurisdictional	Encroached
39	Eucalyptus camaldulensis	Red Gum	4	24	9	9	3	3	0	0	22	25	Fair	Poor	Non Jurisdictional	Encroached
52	Populus fremontii	Fremont Cottonwood	1	8	8	0	0	0	0	0	17	15	Fair	Fair	Non Jurisdictional	Preserve
60	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
61	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
62	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
63	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
64	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
65	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
66	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
67	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
68	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
69	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve

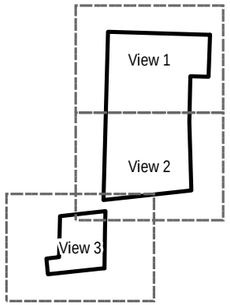
Tree No.	Botanical Name	Common Name	Number of Stems	Combined Stem Diameter (in.)	Individual Stem Diameter (in.)						Height (ft.)	Crown width (ft.)	Health	Structure	Regulation Status	Impact Status
					Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6						
70	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	50	12	Fair	Fair	Non Jurisdictional	Preserve
71	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	25	12	Fair	Fair	Non Jurisdictional	Preserve
72	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	35	12	Fair	Fair	Non Jurisdictional	Preserve
73	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	15	12	Fair	Fair	Non Jurisdictional	Preserve
74	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
75	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
76	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
77	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
78	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
79	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
80	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
81	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
82	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	45	12	Fair	Fair	Non Jurisdictional	Preserve
83	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	19	12	Fair	Fair	Non Jurisdictional	Preserve
84	Washingtonia robusta	Mexican Fan Palm	1	18	18	0	0	0	0	0	19	12	Fair	Fair	Non Jurisdictional	Preserve
85	Washingtonia robusta	Mexican Fan Palm	1	18	18	0	0	0	0	0	19	12	Fair	Fair	Non Jurisdictional	Preserve
86	Washingtonia robusta	Mexican Fan Palm	1	12	12	0	0	0	0	0	15	12	Fair	Fair	Non Jurisdictional	Preserve
87	Populus fremontii	Fremont Cottonwood	1	14	14	0	0	0	0	0	30	20	Fair	Poor	Non Jurisdictional	Encroached
88	Populus fremontii	Fremont Cottonwood	4	59	20	10	9	20	0	0	35	35	Fair	Poor	Non Jurisdictional	Encroached
89	Eucalyptus camaldulensis	Red Gum	7	5	0	1	1	1	1	1	12	17	Fair	Poor	Non Jurisdictional	Encroached
90	Salix gooddingii	Goodding's Willow	2	4	0	4	0	0	0	0	22	17	Fair	Fair	Non Jurisdictional	Preserve
91	Salix gooddingii	Goodding's Willow	2	4	0	4	0	0	0	0	22	17	Fair	Fair	Non Jurisdictional	Preserve
92	Salix gooddingii	Goodding's Willow	2	14	9	5	0	0	0	0	22	17	Fair	Fair	Non Jurisdictional	Preserve
93	Salix gooddingii	Goodding's Willow	2	13	8	5	0	0	0	0	22	17	Fair	Fair	Non Jurisdictional	Preserve
94	Salix gooddingii	Goodding's Willow	2	24	12	12	0	0	0	0	22	28	Fair	Fair	Non Jurisdictional	Remove
95	Schinus molle	California Pepper	2	33	22	11	0	0	0	0	28	32	Fair	Fair	Non Jurisdictional	Encroached
96	Washingtonia robusta	Mexican Fan Palm	1	15	15	0	0	0	0	0	48	15	Good	Good	Non Jurisdictional	Preserve
97	Washingtonia robusta	Mexican Fan Palm	1	15	15	0	0	0	0	0	27	15	Good	Good	Non Jurisdictional	Preserve
98	Washingtonia robusta	Mexican Fan Palm	1	15	15	0	0	0	0	0	27	15	Good	Good	Non Jurisdictional	Preserve
99	Quercus agrifolia	Coast Live Oak	1	7	7	0	0	0	0	0	15	12	Good	Good	Protected Native	Remove
100	Schinus molle	California Pepper	2	24	9	15	0	0	0	0	22	17	Good	Good	Non Jurisdictional	Remove
101	Salix gooddingii	Goodding's Willow	2	27	12	15	0	0	0	0	30	20	Fair	Fair	Non Jurisdictional	Preserve
105	Salix gooddingii	Goodding's Willow	1	5	5	0	0	0	0	0	15	12	Good	Fair	Non Jurisdictional	Preserve
106	Salix gooddingii	Goodding's Willow	2	12	5	7	0	0	0	0	13	17	Good	Fair	Non Jurisdictional	Preserve
111	Washingtonia robusta	Mexican Fan Palm	1	3	3	0	0	0	0	0	4	5	Good	Good	Non Jurisdictional	Preserve
112	Washingtonia robusta	Mexican Fan Palm	1	3	3	0	0	0	0	0	4	5	Good	Good	Non Jurisdictional	Preserve
113	Washingtonia robusta	Mexican Fan Palm	1	3	3	0	0	0	0	0	4	5	Good	Good	Non Jurisdictional	Preserve
114	Washingtonia robusta	Mexican Fan Palm	1	3	3	0	0	0	0	0	4	5	Good	Good	Non Jurisdictional	Preserve
115	Schinus molle	California Pepper	1	29	29	0	0	0	0	0	35	40	Good	Fair	Non Jurisdictional	Remove
116	Schinus molle	California Pepper	1	13	13	0	0	0	0	0	20	20	Good	Fair	Non Jurisdictional	Remove
117	Schinus molle	California Pepper	1	8	8	0	0	0	0	0	13	10	Good	Fair	Non Jurisdictional	Remove
118	Eucalyptus camaldulensis	Red Gum	1	30	30	0	0	0	0	0	48	45	Good	Fair	Non Jurisdictional	Encroached
119	Eucalyptus camaldulensis	Red Gum	1	24	24	0	0	0	0	0	48	40	Fair	Fair	Non Jurisdictional	Remove
120	Schinus molle	California Pepper	3	8	2	3	3	0	0	0	8	8	Fair	Fair	Non Jurisdictional	Remove
121	Schinus molle	California Pepper	1	26	26	0	0	0	0	0	20	25	Fair	Fair	Non Jurisdictional	Remove
122	Schinus molle	California Pepper	1	15	15	0	0	0	0	0	17	19	Fair	Fair	Non Jurisdictional	Remove
123	Pistacia chinensis	Chinese Pistache	1	6	6	0	0	0	0	0	10	10	Poor	Fair	Non Jurisdictional	Remove
124	Pistacia chinensis	Chinese Pistache	1	6	6	0	0	0	0	0	10	10	Poor	Fair	Non Jurisdictional	Remove
125	Pistacia chinensis	Chinese Pistache	1	6	6	0	0	0	0	0	10	10	Poor	Fair	Non Jurisdictional	Remove
126	Pistacia chinensis	Chinese Pistache	1	6	6	0	0	0	0	0	10	10	Fair	Fair	Non Jurisdictional	Remove

Tree No.	Botanical Name	Common Name	Number of Stems	Combined Stem Diameter (in.)	Individual Stem Diameter (in.)						Height (ft.)	Crown width (ft.)	Health	Structure	Regulation Status	Impact Status
					Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6						
127	Schinus molle	California Pepper	3	20	20	0	0	0	0	0	23	35	Fair	Fair	Non Jurisdictional	Remove
128	Melia azedarach	Chinaberry	2	22	13	9	0	0	0	0	15	27	Fair	Fair	Non Jurisdictional	Remove
129	Pinus halepensis	Aleppo Pine	1	25	25	0	0	0	0	0	41	30	Good	Fair	Non Jurisdictional	Remove
130	Grevillea robusta	Silk Oak	1	25	25	0	0	0	0	0	47	35	Good	Fair	Non Jurisdictional	Remove
131	Grevillea robusta	Silk Oak	1	19	19	0	0	0	0	0	43	30	Fair	Fair	Non Jurisdictional	Remove
133	Salix gooddingii	Goodding's Willow	2	15	5	10	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
134	Salix gooddingii	Goodding's Willow	2	15	5	10	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
135	Salix gooddingii	Goodding's Willow	2	20	10	10	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
136	Salix gooddingii	Goodding's Willow	3	16	7	6	3	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
137	Salix gooddingii	Goodding's Willow	3	17	8	6	3	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
138	Salix gooddingii	Goodding's Willow	2	11	8	3	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
139	Salix gooddingii	Goodding's Willow	4	19	6	3	6	4	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
140	Salix gooddingii	Goodding's Willow	3	15	5	5	5	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
141	Salix gooddingii	Goodding's Willow	1	5	5	0	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Encroached
142	Salix gooddingii	Goodding's Willow	1	10	10	0	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
143	Salix gooddingii	Goodding's Willow	3	10	4	2	4	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
144	Salix gooddingii	Goodding's Willow	3	10	4	2	4	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Encroached
145	Salix gooddingii	Goodding's Willow	3	10	4	2	4	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
146	Salix gooddingii	Goodding's Willow	2	12	6	6	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Encroached
147	Salix gooddingii	Goodding's Willow	2	16	10	6	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
148	Salix gooddingii	Goodding's Willow	5	23	5	6	4	4	4	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
149	Salix gooddingii	Goodding's Willow	4	19	5	6	4	4	0	0	20	20	Fair	Fair	Non Jurisdictional	Encroached
150	Salix gooddingii	Goodding's Willow	2	12	5	7	0	0	0	0	20	20	Fair	Fair	Non Jurisdictional	Preserve
151	Schinus molle	California Pepper	2	30	23	7	0	0	0	0	30	40	Fair	Fair	Non Jurisdictional	Remove
152	Ulmus pumila	Siberian Elm	1	24	24	0	0	0	0	0	22	40	Fair	Poor	Non Jurisdictional	Remove
153	Eucalyptus camaldulensis	Red Gum	2	27	14	13	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
153	Eucalyptus camaldulensis	Red Gum	1	12	12	0	0	0	0	0	25	20	Good	Fair	Non Jurisdictional	Remove
154	Eucalyptus camaldulensis	Red Gum	2	10	7	3	0	0	0	0	25	15	Good	Fair	Non Jurisdictional	Preserve
154	Eucalyptus camaldulensis	Red Gum	1	13	13	0	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
155	Eucalyptus camaldulensis	Red Gum	3	33	11	10	12	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
156	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
157	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
158	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
159	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
160	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve

Tree No.	Botanical Name	Common Name	Number of Stems	Combined Stem Diameter (in.)	Individual Stem Diameter (in.)						Height (ft.)	Crown width (ft.)	Health	Structure	Regulation Status	Impact Status
					Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6						
161	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
162	Eucalyptus camaldulensis	Red Gum	6	16	6	2	2	2	2	2	30	20	Good	Fair	Non Jurisdictional	Preserve
163	Eucalyptus camaldulensis	Red Gum	1	13	13	0	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
166	Eucalyptus camaldulensis	Red Gum	1	20	20	0	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
167	Eucalyptus camaldulensis	Red Gum	1	20	20	0	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
168	Eucalyptus camaldulensis	Red Gum	2	19	10	9	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
169	Eucalyptus camaldulensis	Red Gum	2	23	11	12	0	0	0	0	30	20	Good	Fair	Non Jurisdictional	Preserve
170	Washingtonia robusta	Mexican Fan Palm	1	11	11	0	0	0	0	0	30	20	Good	Good	Non Jurisdictional	Preserve
171	Washingtonia robusta	Mexican Fan Palm	1	12	12	0	0	0	0	0	25	15	Good	Good	Non Jurisdictional	Preserve
172	Washingtonia robusta	Mexican Fan Palm	1	14	14	0	0	0	0	0	25	15	Good	Good	Non Jurisdictional	Preserve
173	Washingtonia robusta	Mexican Fan Palm	1	11	11	0	0	0	0	0	25	15	Good	Good	Non Jurisdictional	Preserve
174	Washingtonia robusta	Mexican Fan Palm	1	11	11	0	0	0	0	0	35	20	Good	Good	Non Jurisdictional	Preserve
175	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	35	20	Good	Good	Non Jurisdictional	Preserve
176	Phoenix canariensis	Canary Island Date Palm	1	20	20	0	0	0	0	0	20	20	Good	Good	Non Jurisdictional	Preserve
177	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	40	20	Good	Good	Non Jurisdictional	Preserve
178	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	40	20	Good	Good	Non Jurisdictional	Preserve
179	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	40	20	Good	Good	Non Jurisdictional	Preserve
180	Washingtonia robusta	Mexican Fan Palm	1	20	20	0	0	0	0	0	40	20	Good	Good	Non Jurisdictional	Preserve
183	Washingtonia robusta	Mexican Fan Palm	1	19	19	0	0	0	0	0	35	15	Good	Good	Non Jurisdictional	Preserve
184	Salix gooddingii	Goodding's Willow	1	10	10	0	0	0	0	0	35	25	Good	Fair	Non Jurisdictional	Preserve
186	Salix gooddingii	Goodding's Willow	6	25	5	6	4	3	2	5	20	35	Good	Fair	Non Jurisdictional	Preserve
188	Koelruteria bipinnata	Chinese Flame	6	18	3	3	3	3	3	3	10	5	Good	Fair	Non Jurisdictional	Preserve

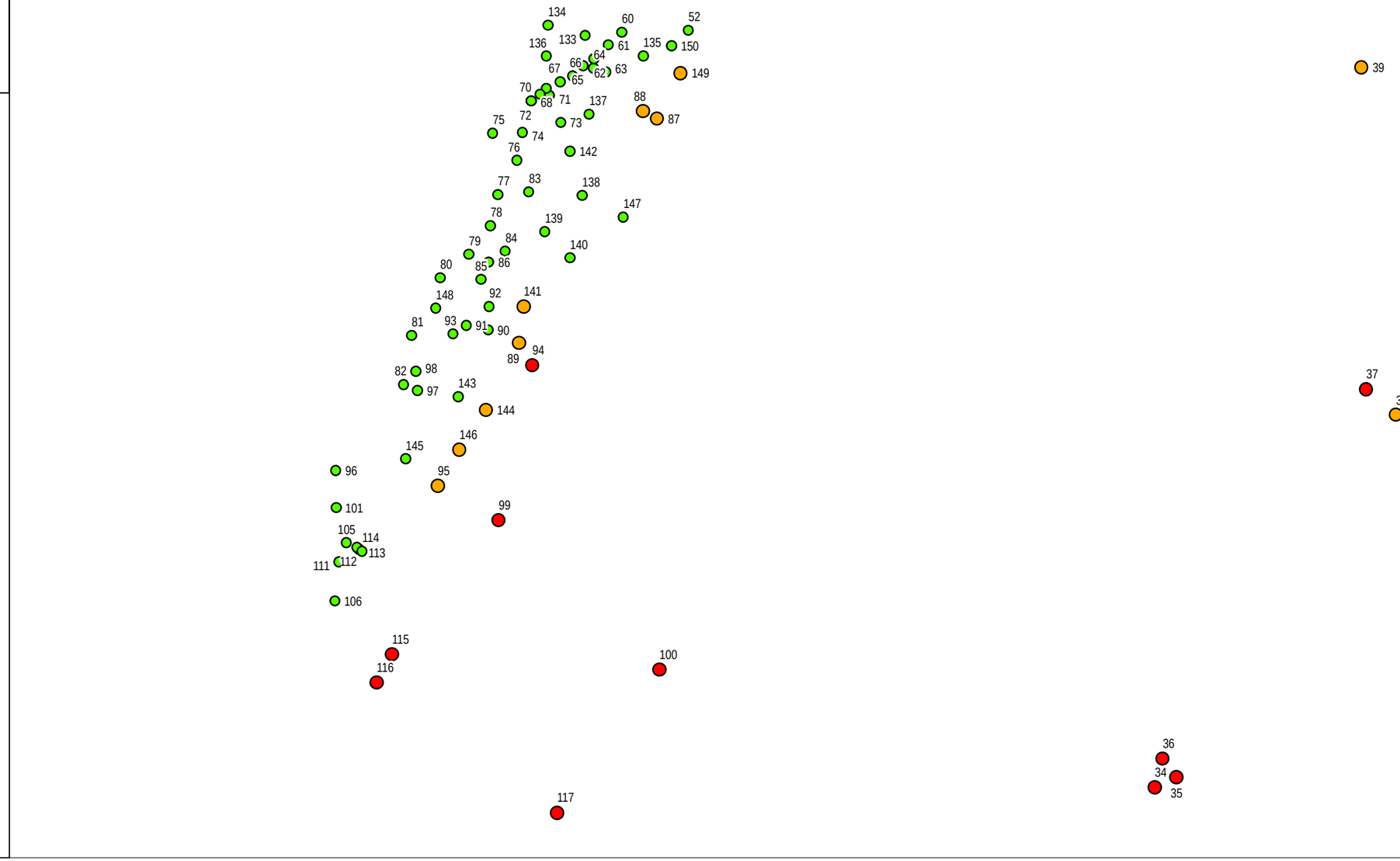
Appendix C

Tree Impact Exhibit



Project Boundary
Permanent Impact

Disposition
- Direct
- Encroached
- Preserve



SOURCE: NAIP IMAGERY 2020

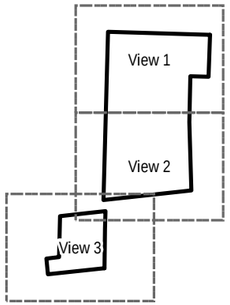
0 30 60 Feet

APPENDIX C - VIEW 1

Tree Impacts

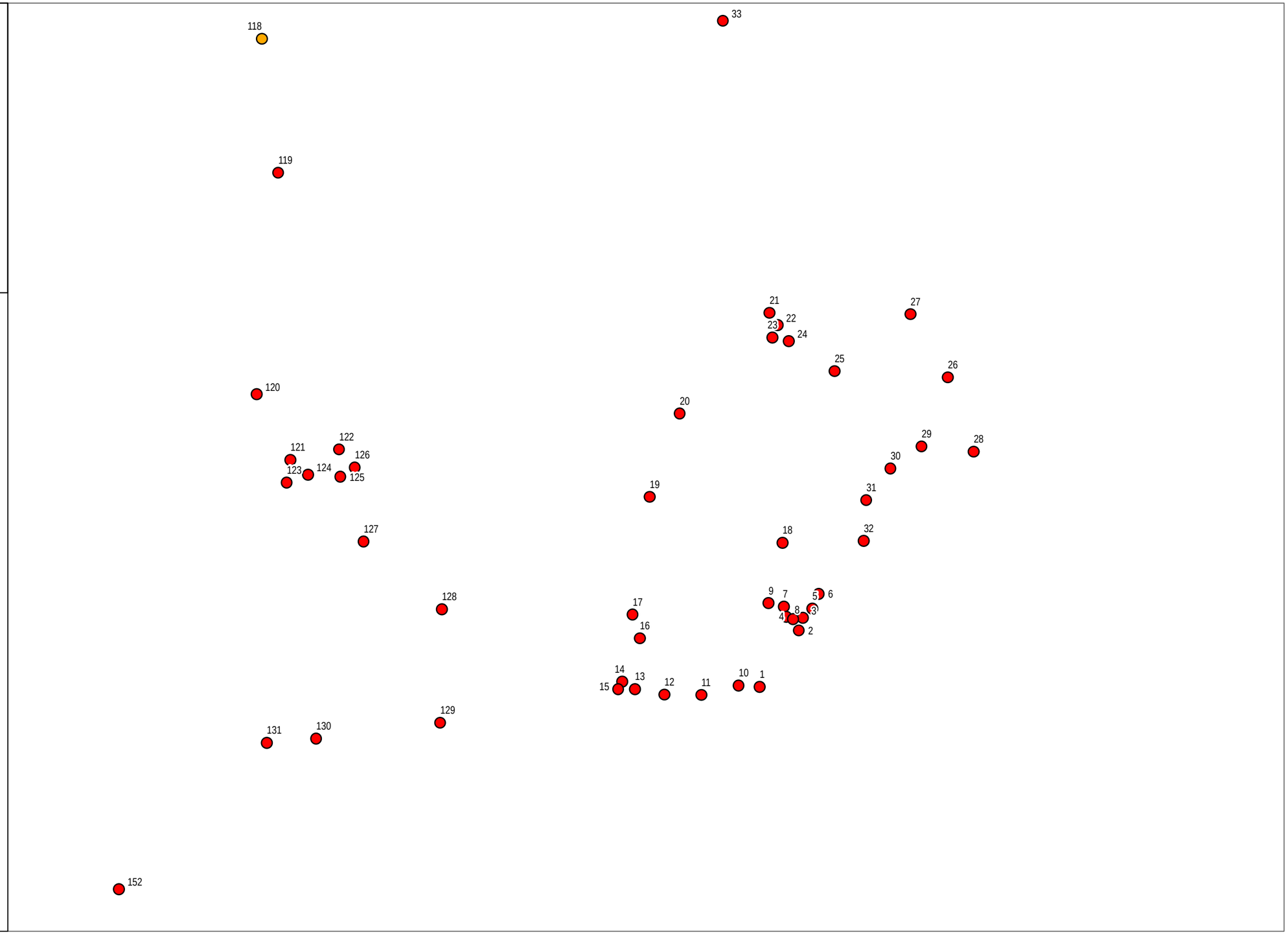
Harmon Ranch Project

Date: 7/21/2022 - Last saved by: lterry - Path: Z:\Projects\14452001\MAPDOC\DOCUMENT\Admin\Appendix D Tree Impacts.mxd



Project Boundary
Permanent Impact

Disposition
- Direct
- Encroached
- Preserve



SOURCE: NAIP IMAGERY 2020

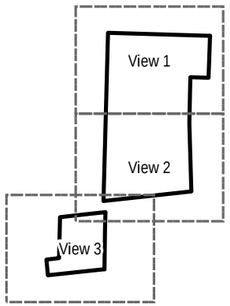
0 30 60 Feet

APPENDIX C - VIEW 2

Tree Impacts

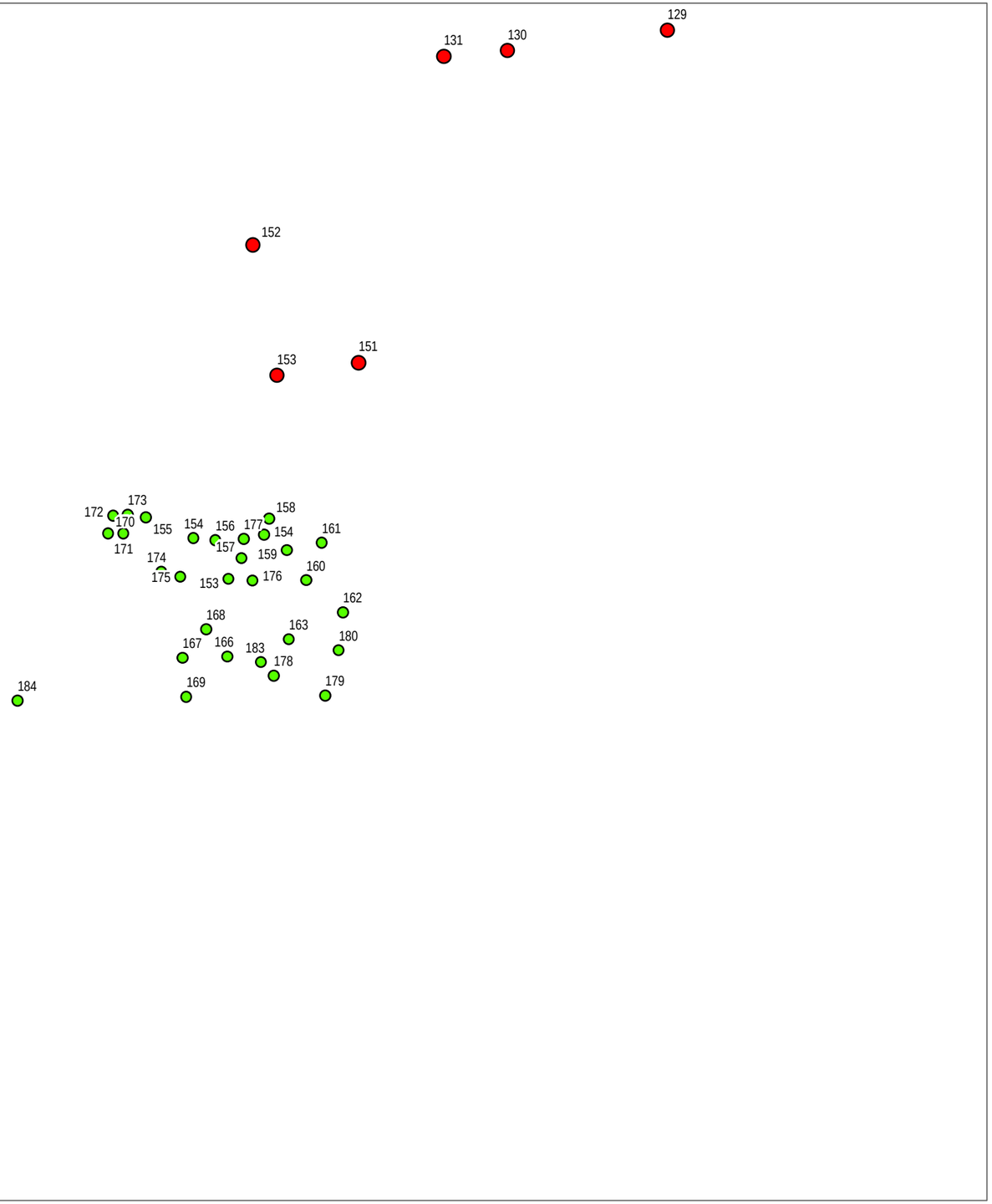
Harmon Ranch Project

Date: 7/21/2022 - Last saved by: lberry - Path: Z:\Projects\11445201\MAP\DOC\DOCUMENT\Arborist\Appendix D Tree Impacts.mxd



Project Boundary
Permanent Impact

Disposition
- Direct
- Encroached
- Preserve



SOURCE: NAIP IMAGERY 2020

0 30 60 Feet

APPENDIX C - VIEW 3

Tree Impacts

Harmon Ranch Project

Date: 7/21/2022 - Last saved by: lhertz - Path: P:\Projects\14452011\MAPDOC\DOCUMENT\Arborist\Appendix D Tree Impacts.mxd

Appendix D

Land Use Plan

Poway Rd.
OSR-4
OSR-5
OSR-6
OS-4
OS-3
OS-2
Roca Grande
OSR-3
OSR-2
OSR-1
Oak Knoll Rd.
OSR-7
OS-1
Poway Creek
Soule St.
Montauk St.
N
Specific Plan Area Boundary
Open Space (OS)
Open Space Recreation (OS-R)
Residential - Single Family (R-SF)
Private Street
Public Right Of Way

Appendix E

Tree Protection Measures

APPENDIX E
Tree Protection Measures

The following sections are included as general guidelines for tree protection from construction impacts. The measures presented should be monitored by arborists and enforced by contractors and developers for maximum benefit to the trees.

TREE PROTECTION MEASURES PRIOR TO CONSTRUCTION

Prior to any construction activity (drainage, demolition, material removal or delivery), oak and landmark trees with canopies that fall within 30 feet of construction activity shall be protected by fencing and signage. All contractors shall be made aware of the tree protection measures. A project arborist shall be assigned to monitor tree health and construction activity near retained trees on site. The project arborist shall be an International Society of Arboriculture (ISA) Certified Arborist.

Fencing and Signage: A 6-foot high, chain link fence with tree protection signs shall be erected around all trees (or tree groups) with canopies that fall within 30 feet of construction activity. The protective fence should be installed at a distance from the trunk that is equal to the dripline radius plus 5 feet (protected tree zone). For any trees that would be encroached upon by construction activities, fencing shall be placed as far away from trunk of the tree as possible while still allowing the required construction activities to proceed. This fencing will delineate the tree protection zone and prevent unwanted activity in and around the trees in order to reduce soil compaction in the root zones of the trees and other damage from heavy equipment. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing. In areas where fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base. Tree protection signs should be attached to every fourth post. The contractor shall maintain the fence to keep it upright, taut, and aligned at all times. Fencing shall be removed only after all construction activities are complete.

Pre-Construction Meeting: A pre-construction meeting shall be held between all contractors and the arborist. The arborist will instruct the contractors on tree protection practices and answer any questions. All equipment operators and spotters, assistants, or those directing operators from the ground, shall provide written acknowledgement of their receiving tree protection training. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Protection and Maintenance during Construction

Once construction activities have begun the following measures shall be adhered to:

Avoidance: Signs, ropes, cables, or any other items shall not be attached to any tree.

Equipment Operation and Storage: Operating heavy machinery around the root zones of trees will increase soil compaction, which decreases soil aeration and subsequently reduces water penetration in the soil. All heavy equipment and vehicles shall stay out of the fenced tree protection zone, unless where specifically approved in writing by the City Arborist and under the supervision of an ISA Certified Arborist.

Storage and Disposal: Do not store or discard any supply or material, including paint, lumber, concrete overflow, etc. within the fenced tree protection zone. Remove all foreign debris within the fenced tree protection zone; it is important to leave the duff, mulch, chips, and leaves around the retained trees for water retention and nutrients. Avoid draining or leakage of equipment fluids near retained trees. Fluids such as: gasoline, diesel, oils, hydraulics, brake and transmission fluids, paint, paint thinners, and glycol (anti-freeze) should be disposed of properly. Keep equipment parked outside of the fenced tree protection zone of retained trees to avoid the possibility of leakage of equipment fluids into the soil. The effect of toxic equipment fluids on the retained trees could lead to decline and death.

Moving Construction Materials: Care will be taken when moving equipment or supplies near the trees, especially overhead. Avoid damaging the tree(s) when transporting or moving construction materials and working around retained trees (even outside of the fenced tree protection zone). Above ground tree parts that could be damaged (e.g., low limbs, trunks) should be flagged with red ribbon. If contact with the tree crown is unavoidable, prune the conflicting branch(es) using ISA or ANSI A300 standards.

Grade Changes: Grade changes, including adding fill, are not permitted within the tree protection zone, without special written authorization and under supervision by a Certified Arborist. Lowering the grade within this area will necessitate cutting main support and feeder roots, jeopardizing the health and structural integrity of the tree(s). Adding soil, even temporarily, on top of the existing grade will compact the soil further, and decrease both water and air availability to the trees' roots.

Trenching: Unless a Tree Permit has been issued for trenching activity within the fenced tree protection zone, all trenching shall be outside of the fenced tree protection zone. Roots primarily extend in a horizontal direction forming a support base to the tree similar to the base of a wineglass. Where trenching is necessary in areas that contain tree roots, prune the roots using a Dosko root pruner or equivalent. All cuts should be clean and sharp, to minimize ripping, tearing, and fracturing of the root system. The trench should be made no deeper than necessary.

Irrigation: Trees that have been substantially root pruned (30% or more of their root zone) will require irrigation for the first twelve months. The first irrigation should be within 48 hours of root pruning. They should be deep watered every two to four weeks during the summer and once a month during the winter (adjust accordingly with rainfall). One irrigation cycle should thoroughly soak the root zones of the trees to a depth of 3 feet. The soil should dry out between watering; avoid keeping a consistently wet soil. Designate one person to be responsible for irrigating (deep watering) the trees. Check soil moisture with a soil probe before irrigating. Irrigation is best accomplished by installing a temporary above ground micro-spray system that will distribute water slowly (to avoid runoff) and evenly throughout the fenced tree protection zone ***but never soaking the area located within 6- feet of the tree trunk***.

Canopy Pruning: Do not prune any of the trees until all construction is completed. This will help protect the tree canopies from damage. All pruning shall be completed under the direction of an ISA Certified Arborist and using ISA guidelines. Only dead wood shall be removed from tree canopies.

Washing: Periodic washing of the foliage is recommended during construction but no more than once every two weeks. Washing should include the upper and lower leaf surfaces and the tree bark. This should continue beyond the construction period at a less frequent rate with a high-powered hose only in the early morning hours. Washing will help control dirt/dust buildup that can lead to mite and insect infestations.

Inspection: An ISA Certified Arborist shall inspect the trees on at least a monthly basis for the duration of construction activity. A summary report documenting observations and management recommendations shall be submitted to the owner following each inspection. Photographs of representative trees are to be included in each report.

MAINTENANCE AFTER CONSTRUCTION

Once construction is complete the tree protection fencing may be removed and the following measures performed to sustain and enhance the vigor of the preserved trees.

Mulch: Provide a 4-inch mulch layer under the canopy of trees. Mulch should include clean, organic mulch that will provide long-term soil conditioning, soil moisture retention, and soil temperature control.

Pruning: Pruning should *only* be done to maintain clearance and remove broken, dead or diseased branches. Pruning shall only take place following a recommendation by an ISA Certified Arborist and performed under the supervision of an ISA Certified Arborist. No more than 15% of the canopy shall be removed at any one time. All pruning shall conform to ISA or ANSI A300 standards.

Watering: Retained trees on site shall be watered as they were prior to the commencement of construction activity. Supplemental irrigation may be necessary for twelve months following substantial root pruning.

Watering Adjacent Plant Material: All plants near the trees shall be compatible with water requirements of said trees. Watering regime included in the site's landscape plan shall be developed with consideration for the water needs of retained trees.

Spraying: If the trees are maintained in a healthy state, regular spraying for insect or disease control should not be necessary. If a problem does develop, an ISA Certified Arborist should be consulted; the trees may require application of insecticides to prevent the intrusion of bark-boring beetles and other invading pests. All chemical spraying should be performed by a licensed applicator under the direction of a licensed pest control advisor.

Monitoring: All trees within 30 feet of construction activity shall be monitored by an ISA Certified Arborist for the first two years after construction completion. An annual monitoring report shall be submitted to the City Arborist. Each report shall summarize the inspection efforts, document observations and management actions taken, include photographs of each tree, and compare post-construction tree conditions with the original, pre-construction baseline condition. If any retained trees die within this inspection period, they shall be replaced at a ratio approved by the City.

Appendix E

Built Environment Inventory and Evaluation Report for Harmon Ranch

DRAFT

Built Environment Inventory and Evaluation Report

Harmon Ranch

FEBRUARY 2023

Prepared for:

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APN	Assessor Parcel Number
CEQA	California Environmental Quality Act
CHRIS	California Historical Resource Information System
CRHR	California Register of Historic Resources
Harmon Ranch Project	Project
NADB	National Archaeological Database
NPS	National Park Service
NRHP	National Register of Historic Places
PHS	Poway Historic Sites
PIMS	Property Information Management System
Property A	12702 Oak Knoll Rd; APN: 317-500-14-00
Property B	12650 Oak Knoll Rd; APN: 317-500-13-00
Property C	12624 Oak Knoll Rd; APN: 317-500-11-00
Property D	12623 Oak Knoll Rd; APN: 317-501-02-00
RPO	San Diego County Resource Protection Ordinance
SCIC	South Coastal Information Center

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EXECUTIVE SUMMARY

Lennar Homes retained Dudek to complete a built environment inventory, evaluation, and analysis of impacts report for the Harmon Ranch Project (proposed Project). The Project proposes to construct 63 new single-family residences with recreational amenities and preserve one property listed on an approximately 11.5-acre site at 12623, 12624, 12650, 12702 Oak Knoll Road and six additional vacant parcels (Project area).

The purpose of this report is to identify all built environment historical resources, as defined by the California Environmental Quality Act (CEQA), within or adjacent to the Project site, and to determine whether or not the project would result in a significant impact to a historical resource under CEQA.

Four built environment properties requiring survey and evaluation were identified in the Study Area. Four historic age properties were identified inside the Project site and required recordation and evaluation under all applicable significance criteria. Two of these properties are on the Poway Historic Sites list. 12623 Oak Knoll Road was included as PHS 112. A large parcel within the Project site contains a historic age property, the rock house known as the Harmon House associated with the address 12702 Oak Knoll Road. The residence was previously identified and included as PHS 113 on the Poway Historic Sites list.

This report includes the following components: (1) a California Historical Resources Information System (CHRIS) records search conducted at the South Coastal Information Center (SCIC) addressing the Project area plus a 1-mile radius; (2) outreach to local historical societies with local information about cultural resources in the vicinity of the Project; (3) an intensive-level survey of the Project site for built environment resources; (4) review of historic aerial images, and maps; (5) archival and property development research for properties located within the Built Environment Study Area; (6) evaluation results of any historic age properties in accordance with eligibility criteria of the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and local landmark and historical resource lists; and (7) analysis of project-related impacts to historical resources in conformance with the California Environmental Quality Act (CEQA) and in consideration of applicable local municipal code and planning documents.

As a result of Dudek's extensive archival research, field survey, record search, and property significance evaluations, no additional historical resources were identified within the Project site, nor were any adjacent historical resources identified that could be indirectly impacted by proposed Project activities.

No evidence was found to support a finding of historical significance for 12623 Oak Knoll Road and the property appears to meet the criteria for a City of Poway Category D building. No evidence was found to support a finding of historical significance for the Harmon House at 12702 Oak Knoll Road. However, following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

THE HISTORICAL RESOURCES MITIGATION MEASURES RECOMMENDED IN THIS REPORT WOULD ENSURE THE PROPER TREATMENT OF THE HARMON HOUSE DURING CONSTRUCTION AND IMPLEMENTATION OF THE PROJECT. WITH PROPER IMPLEMENTATION OF THE PRESCRIBED MEASURES, THE POTENTIAL IMPACT TO HISTORICAL RESOURCES WOULD BE CONSIDERED TO BE LESS THAN SIGNIFICANT. THEREFORE, IMPACTS TO HISTORICAL RESOURCES WOULD BE **LESS THAN SIGNIFICANT WITH MITIGATION**.

1 INTRODUCTION

This chapter provides a detailed description of the proposed Harmon Ranch Project (proposed Project), and includes information about the proposed Project, including, location and setting, existing conditions, records search results, and regulatory setting.

1.1 Project Location

The Project site comprises ten parcels (Assessor's Parcel Numbers 317-500-11; 317-500-12, 317-500-13, 317-500-14, 317-500-02, 317-500-03,317-500-09, 317-500-10, 317-501-01, and 317-501-02) located in the City of Poway, San Diego County (See Figure 1, Project Location Map), and is located on Oak Knoll Road between Pomerado Road and Carriage Road. The Project proposes the development of the 11.5-acre Project site into a residential development within an existing residential neighborhood (Figure 2). The 11.5-acre Project site is located north of Oak Knoll Road. The Project is mapped within Section 14 of Township 14 South, Range 2 West on the U.S. Geological Survey 7.5-minute Poway Quadrangle.

1.2 Project Description

The proposed project is located at 12623, 12624, 12650, and 12702 Oak Knoll Road and six additional vacant parcels within the southern area of the City of Poway, along Oak Knoll Road, south of Poway Road and west of Carriage Road. The project site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the City of Poway General Plan, which permits single-family homes on a minimum of 4,500-square-foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include a mix of retail land uses and the Kumeyaay Interpretive Center to the north; Oak Knoll Road, Poway Creek, and existing single-family homes to the south and east, which are also designated RS-7; and apartment communities to the west.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was recently used as a construction staging yard for a San Diego Gas and Electric gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (Assessor's Parcel No. 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic building would be retained in place. The other three existing single-family homes are not designated as historic and would be demolished prior to project construction.

Lennar Homes of California LLC (Applicant) is proposing a residential neighborhood on the 11.5 acre project site. The project proposes approximately 5.8 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density.

The proposed new 63 single-family homes would be on lots 42 feet wide and 85 to 90 feet deep, with standard two-car garages, 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces, and private fenced rear yards. The project also includes 40 guest parking spaces along the private streets, approximately 1.0 acre of open space recreation area, approximately 2.2 acres of natural open space areas, and a segment of the General Plan Community trail (approximately 1,000 feet) connecting the project site to the adjacent retail area located to the north along Poway Road. The "overlook" area and passive park located in the south portion of the project site is planned to provide public access and would be privately maintained.

Access to the project site is planned via existing Oak Knoll Road. Fifty-nine of the new homes are proposed to front newly constructed private streets, while four new homes and an open space/overlook area front the south side of Oak Knoll Road. The existing historic home also fronts on Oak Knoll Road.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of 63 new single-family homes and associated site improvements and retention of the existing historic home. The Harmon Ranch Specific Plan would establish three land use districts within the project site: Residential Single Family (R-SF), Open Space (OS), and Open Space Recreation (OSR). The Specific Plan would also provide development regulations and permitted uses for each land use district. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan. Additionally, the Specific Plan provides a comprehensive plan to ensure the efficient development of the new residential community within the Specific Plan Area. Approval of the Harmon Ranch Specific Plan would allow for deviations from the underlying development standards of the RS-7 zone. The project would conform to the proposed development standards outlined in the Harmon Ranch Specific Plan for the Planned Community (PC).

1.3 Built Environment Study Area

The built environment study area comprises four properties in the Project site, all developed with historic age buildings. The remaining portions of Project site that were not included in the study area are vacant and do not contain historic age buildings. The study area for the Project site was established following field inspection, research into the development history of the Project site vicinity, and review of the proposed Project plans. This study area was established to account for potential impacts on historical resources in the vicinity of the Project. Parcels beyond this study area were not included because the Project would have no potential to directly or indirectly impact identified historical resources or historic age built environment properties on distant parcels or their surrounding setting.

Table 1. Built Environment Study Area

Property	Address	APN	Year Built	Property Type
A	12702 Oak Knoll Road	317-500-14-00	c. 1933-1940s	Single-family residence
B	12650 Oak Knoll Road	317-500-13-00	1957	Single-family residence
C	12624 Oak Knoll Road	APN 317-500-11-00	1959	Single-family residence

Table 1. Built Environment Study Area

Property	Address	APN	Year Built	Property Type
D	12623 Oak Knoll Road	317-501-02-00	1946	Single-family residence

1.4 Project Personnel

Fieldwork, research, Department of Parks and Recreation (DPR) forms, and preparation of this technical report was conducted by Dudek architectural historians Nicole Frank, MSHP, Katie Ahmanson, MHC, and Claire Cancilla, MSHP. Dudek senior architectural historian Allison Lyons, MSHP, provided quality assurance/quality control of the report. All authors and reviewers meet the Secretary of the Interior's Professional Qualifications Standards (36 CFR Part 61) for history, architectural history, or both. The key preparers' qualifications are located in Appendix B.

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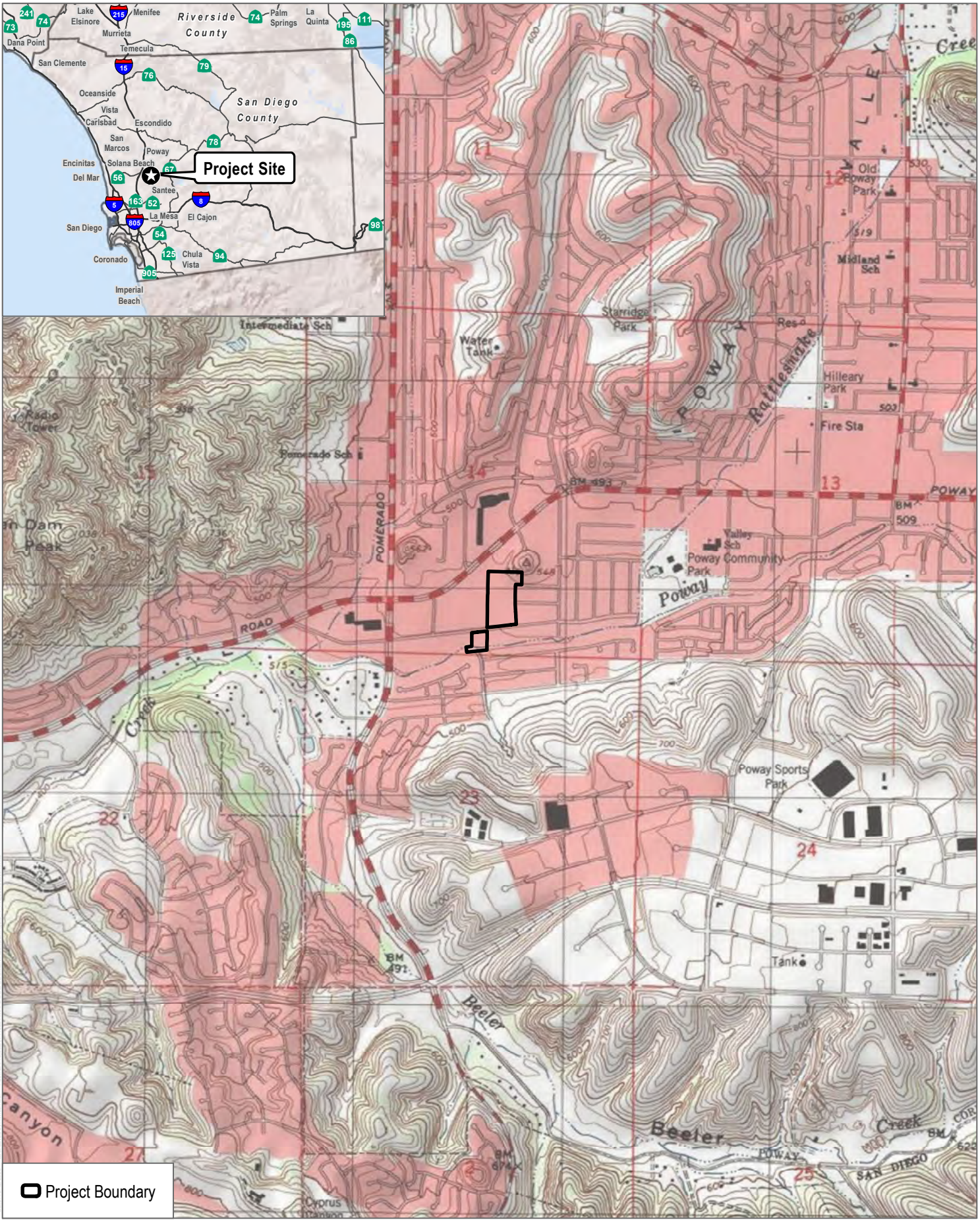

SOURCE: SAN GIS 2017

DUDEK

0 1,000 2,000 Feet
0 300 600 Meters

FIGURE 1

Project Location

Harmon Ranch

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SOURCE: SAN GIS 2017

DUDEK

0 75 150 Feet

FIGURE 2

Project Site

Harmon Ranch

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1.5 REGULATORY SETTING

1.5.1 Federal

The National Register of Historic Places

While there is no federal nexus for this project, the buildings within the Study Area were evaluated in consideration of NRHP designation criteria. The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service, under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks, as well as historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries in the NRHP. For a property to be listed in or determined eligible for listing, it must be demonstrated to possess integrity and to meet at least one of the following criteria:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded, or may be likely to yield, information important in prehistory or history.

In addition to these basic evaluation criteria, the NRHP outlines further criteria considerations for significance. Moved properties; birthplaces; cemeteries; reconstructed buildings, structures, or objects; commemorative properties; and properties that have achieved significance within the past 50 years are generally not eligible for the NRHP. The criteria considerations are exceptions to these rules, and they allow for the following types of resources to be NRHP eligible (NPS 1995, p. 25):

A. a religious property deriving primary significance from architectural or artistic distinction or historical importance;

B. a building or structure removed from its original location, but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event;

C. a birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his or her productive life;

D. a cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, from association with historic events;

E. a reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived;

F. a property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or

G. a property achieving significance within the past 50 years if it is of exceptional importance.

Once the significance of a resource has been determined, the resource then must be assessed for integrity. Integrity is 1) the ability of a property to illustrate history and 2) possession of the physical features necessary to convey the aspect of history with which it is associated (NPS 1995, p. 44). The evaluation of integrity is grounded in an understanding of a property's physical features and how they relate to the property's significance. Historic properties either retain integrity (that is, convey their significance) or they do not. To retain integrity, a property will always possess several, and usually most, of the seven aspects of integrity (NPS 1997, pp. 44–45):

Location is the place where the historic property was constructed or the place where the historic event occurred.

Design is the combination of elements that create the form, plan, space, structure, and style of a property.

Setting is the physical environment of a historic property.

Materials are the physical elements that were combined or deposited during a particular period and in a particular pattern or configuration to form a historic property.

Workmanship is the physical evidence of crafts of a particular culture or people during any given period in history or prehistory.

Feeling is the property's expression of the aesthetic or historic sense of a particular period.

Association is the direct link between an important historic event or person and a historic property.

1.5.2 State

California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1(j)). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1(a)). The criteria for listing resources on the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to California Public Resources Code Section 5024.1(c) (1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historical, and tribal cultural resources:

1. California Public Resources Code Section 21083.2(g) defines "unique archaeological resource."
2. California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of an historical resource.
3. California Public Resources Code Section 21074(a) defines "tribal cultural resources."
4. California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5© set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
5. California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(b)). An "historical resource" is any site listed or eligible for listing in the CRHR. The CRHR listing criteria are intended to examine whether the resource in question: (a) is associated with events that

have made a significant contribution to the broad patterns of California's history and cultural heritage; (b) is associated with the lives of persons important in our past; (c) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or (d) has yielded, or may be likely to yield, information important in pre-history or history.

The term "historical resource" also includes any site described in a local register of historic resources or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1(q)).

CEQA also applies to "unique archaeological resources." California Public Resources Code Section 21083.2(g) defines a "unique archaeological resource" as any archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

All historical resources and unique archaeological resources – as defined by statute – are presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)). A site or resource that does not meet the definition of "historical resource" or "unique archaeological resource" is not considered significant under CEQA and need not be analyzed further (California Public Resources Code Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)).

Under CEQA a significant cultural impact results from a "substantial adverse change in the significance of an historical resource [including a unique archaeological resource]" due to the "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); California Public Resources Code Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

1.5.3 City of Poway Cultural Resources Guidelines

Poway General Plan

Goal IV of the City of Poway's General Plan (City of Poway 1991) is to preserve the City's cultural resources for the future benefit and enjoyment of its residents. Policy E states that "The historical structures which remain in Poway contribute significantly to the rural small town character of the community and should be preserved" (City of Poway 1991).

Municipal Code

Chapter 17.45 of the City's Municipal Code describes the City's cultural resources regulatory framework (City of Poway 2022). The City's planning goals and policies aim to "protect, enhance and perpetuate historic/cultural resources, sites, and districts that represent or reflect elements of the City's cultural, social, economic, political and architectural history for the public health, safety and welfare of the people of the City" and to "permit historic sites to be identified, documented, and recorded by written and photographic means and allow an opportunity for voluntary preservation of historic sites, all without infringing on the ability and right of a property owner to control the use of property or structures" (City of Poway, Chapter 17.45.010, Ord. 296 § 1, 1989)

Subchapter 17.45.030 of the City's Municipal Code defines four categories of historic/cultural resources ("A," "B," "C" and "D" resources) and establishes the following criteria for evaluating historic/cultural resources. The criteria within each category are numbered below for clarity.

Category A: This category is reserved for those structures, buildings, sites, or objects of major significance. The resource must meet one or more of the following criteria:

1. It is the site of, or reflects special elements or events of the City's cultural, social, economic, political, aesthetic, engineering or architectural history; or
2. It is associated with persons or events important in regional, State or national history; or
3. It is a rare or particularly fine example of a certain architectural style or construction technique associated with a particular period of history; or
4. It is the work or an architect, engineer, or designer who has substantially influenced regional, State, or national trends or the development of the North County region; or
5. Owing to its unique location or singular physical characteristics, it represents an established feature of the neighborhood or City whose removal would adversely affect the appearance or spatial and design relationships of the area.

Category B: Structures, buildings, sites, or objects in this category must have one of the following characteristics:

1. It is associated with important persons, events, or eras in the City, regional, or State history;
2. Its original design, architecture, aspect or function of the resource is significant but has been altered, affecting its integrity;

3. It is a good (but not rare or particularly outstanding) example of certain style or construction technique, or of the work of a prominent architect, engineer, or designer.

Category C: Structures, buildings, sites, or objects in this category must have one of the following characteristics:

1. It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;
2. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Category D: Structures, buildings, sites, or objects in this category are:

1. Built prior to 1940, and clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history.

Further research on any building, structure, site, or object may yield information on their roles in history. This information may warrant their inclusion in a different category. Applications to change the categorization of an identified resource or to add a resource to the survey shall be submitted to the City Development Services Department. The application should contain information which provides justification for adding a historic/cultural resource to the survey or changing its category designation. (Ord. 518, 1999; Ord. 296 § 1, 1989)

Subchapter 17.45.050 states that for a historic/cultural resource to be designated as a Poway historic landmark, additional criteria must be met. Following adoption of a survey of historic/cultural resources, the Development Services Department must act upon an application and may designate historic landmarks by finding that a historic/cultural resource is of local, regional, State, or national significance, and is designated as a category A or B historic/cultural resource. In addition, the Development Services Department shall find that the historic/cultural resource meets one of the following criteria:

1. Its location is the site of a historic event having major significance to the City, State or United States;
2. Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States;
3. Its quality as one of the finest examples in the City of the work of an architect of major importance;
4. Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States;
5. Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship;
6. Its potential of yielding historic/cultural information of major importance;
7. Its integrity as a natural feature that has made a major contribution to the community;
8. Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

The findings shall be supported by substantial evidence presented to the Development Services Department. (Ord. 518, 1999; Ord. 296 § 1, 1989).

Subchapter 17.45.100 outlines procedures for removing landmark designation. Any time a historic/cultural resource has been designated an historic landmark by this chapter, the property owner may apply to the Director of Development Services for removal of the designation by showing that the property will not benefit any further from incentives granted pursuant to PMC 17.45.110 during the landmark designation process. (Ord. 518, 1999; Ord. 296 § 1, 1989). PMC 17.45.110 does not specific incentives, but states:

In order to carry out the purposes of this chapter, the Development Services Department shall develop and recommend to the City Council a program of economic and other incentives to support the preservation, maintenance and appropriate rehabilitation of historic landmarks. These incentives may be granted at any time after an historic/cultural resource is designated as an historic landmark. (Ord. 518, 1999; Ord. 296 § 1, 1989)

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2 HISTORIC CONTEXT

2.1 Natural Setting

The majority of the undeveloped area within the northern portion of the Project site has been cleared and is currently being used as a construction staging yard for a SDG&E gas line project. There is an undeveloped steep hillside within the northeast portion of the site south of the Kumeyaay Interpretative Center and west of Roca Grande Drive. Scattered trees and landscaping surround the four historic age residential buildings within the study area. Land use around the Project site is primarily residential.

2.2 Cultural Setting

The study area includes four historic age single-family residences. This section provides the context for the evaluation of these elements of the built environment.

2.2.1 Historical Overview of San Diego

Post-Contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1846), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican American War, signals the beginning of the American Period when California became a territory of the United States.

Spanish Period (1769–1821)

The Spanish colonization of Alta California began in 1769 with the founding of Mission San Diego de Alcalá by Father Junípero Serra. Concerns over Russian and English interests in California motivated the Spanish government to send an expedition of soldiers, settlers, and missionaries to occupy and secure the northwestern borderlands of New Spain through the establishment of a Presidio, Mission, and Pueblo. The Spanish explorers first camped on the shore of the Bay in the area that is now downtown San Diego. Lack of water at this location, however, led to moving the camp on May 14, 1769, to a small hill closer to the San Diego River and near the Kumeyaay village of Cosoy. Father Junípero Serra arrived in July of the same year to find the Presidio serving mostly as a hospital. The Spanish built a primitive mission and presidio structure on the hill near the river.

Bad feelings soon developed between the native Kumeyaay and the soldiers, resulting in the construction of a stockade that, by 1772, included barracks for the soldiers; a storehouse for supplies; a house for the missionaries; and a chapel, which had been improved. The log and brush huts were gradually replaced with buildings made of adobe bricks. Flat earthen roofs were eventually replaced by pitched roofs with rounded roof tiles. Clay floors were eventually lined with fired brick.

In August 1774, the Spanish missionaries moved the Mission San Diego de Alcalá to its present location 6 miles up the San Diego River valley (modern Mission Valley) near the Kumeyaay village of Nipaguay. Begun as a thatched chapel and compound built of willow poles, logs, and tules, the new mission was sacked and burned in the Kumeyaay uprising of November 5, 1775. The first adobe chapel was completed in October 1776, and the present church was begun the following year. A succession of building programs through 1813 resulted in the final plan that included the church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. Orchards, reservoirs, and other agricultural installations were built to the south on the lower San Diego River alluvial terrace and were irrigated by a dam and aqueduct system. The initial Spanish occupation and mission system brought about profound changes in the lives of the Kumeyaay people. Substantial numbers of the coastal Kumeyaay were forcibly brought into the mission or died from introduced diseases.

As early as 1791, presidio commandants in California were given the authority to grant small house lots and garden plots to soldiers and their families, and sometime after 1800, soldiers and their families began to move down the hill near the San Diego River. Historian William Smythe noted that Don Blas Aguilar, who was born in 1811, remembered at least 15 such grants below Presidio Hill by 1821, of which only five were within the boundaries of what would become Old Town had houses in 1821. These were the retired commandant Francisco Ruiz's adobe (now known as the Carrillo Adobe), another building later owned by Henry Fitch on Calhoun Street, the Ybanes and Serrano houses on Juan Street near Washington Street, and a small adobe house on the main plaza owned by Juan Jose Maria Marron.

Mexican Period (1821–1846)

In 1822, the political situation changed as Mexico won its independence from Spain, and San Diego became part of the Mexican Republic. The Mexican government opened California to foreign trade, began issuing private land grants in the early 1820s, created the rancho system of large agricultural estates, secularized the Spanish missions in 1833, and oversaw the rise of the civilian pueblo. By 1827, as many as 30 homes existed around the central plaza, and in 1835, Mexico granted San Diego official pueblo (town) status. At this time, the town had a population of nearly 500 residents, later reaching a peak of roughly 600. By 1835 the presidio, once the center of life in Spanish San Diego, had been abandoned and lay in ruins. Mission San Diego de Alcalá fared little better. The town and the ship landing area at La Playa were now the centers of activity in Mexican San Diego. However, the new Pueblo of San Diego did not prosper, as some other California towns did during the Mexican Period.

Secularization in what is now San Diego County triggered increased Native American hostilities against the Californios during the late 1830s. The attacks on outlying ranchos, along with unstable political and economic factors, lead to San Diego's population decline to approximately 150 permanent residents by 1840. San Diego's official Pueblo status was removed by 1838, and it was made a subprefecture of the Los Angeles Pueblo. When the Americans took over after 1846, the situation had stabilized somewhat, and the population had increased to roughly 350 non-Native American residents. The Native American population continued to decline, as Mexican occupation brought about continued displacement and acculturation of Native American populations.

American Period (1846–Present)

The American Period began in 1846 when United States military forces occupied San Diego; this period continues today. When United States military forces occupied San Diego in July 1846, the town's residents split on their course

of action. Many of the town's leaders sided with the Americans, but other prominent families opposed the United States' invasion. In December 1846, a group of Californios under Andres Pico engaged United States Army forces under General Stephen Kearney at the Battle of San Pasqual and inflicted many casualties. However, the Californio resistance was defeated in two small battles near Los Angeles, and effectively ended the resistance by January 1847. The Americans assumed formal control with the Treaty of Guadalupe-Hidalgo in 1848, and introduced Anglo culture and society, American political institutions, and American commerce. In 1850, the Americanization of San Diego began to develop rapidly.

On February 18, 1850, the California State Legislature formally organized San Diego County. The first elections were held at San Diego and La Playa on April 1, 1850, for county officers. San Diego grew slowly during the next decade. San Diegans attempted to develop the town's interests through a transcontinental railroad plan and development of a new town closer to the Bay. The failure of these plans, added to a severe drought that crippled ranching and the onset of the Civil War, left San Diego as a remote frontier town. These issues led to a drop in the town's population from 650 in 1850 to 539 in 1860. Not until land speculator and developer Alonzo Horton arrived in 1867 did San Diego begin to develop fully into an active American town.

Alonzo Horton's development of a New San Diego (modern downtown) in 1867 began to swing the community's focus away from Old Town and began the urbanization of San Diego. Expansion of trade brought an increase in the availability of building materials. Wood buildings gradually replaced adobe structures. Some of the earliest buildings to be erected in the American Period were "pre-fab" houses that were built on the east coast of the United States and shipped in sections around Cape Horn and reassembled in San Diego. Development spread from downtown due to a variety of factors, including the availability of potable water and transportation corridors. Factors such as views and access to public facilities affected land values, which in turn affected the character of neighborhoods that developed. During the Victorian Era of the late 1800s and early 1900s, the areas of Golden Hill, Uptown, Banker's Hill, and Sherman Heights were developed. Examples of the Victorian Era architectural styles remain in these communities, and in Little Italy, which developed at the same time. At the time downtown was being built, there began to be summer cottage/retreat development in what are now the beach communities and La Jolla area. The early structures in these areas were not of substantial construction since they were primarily built for temporary vacation housing.

Development also spread to the greater North Park and Mission Hills areas during the early 1900s. The neighborhoods were built as small lots, a single lot at a time; there was no large tract housing development in these neighborhoods. This provided affordable housing away from the downtown area, and development expanded as transportation improved. Barrio Logan began as a residential area, but because of proximity to rail freight and shipping freight docks, the area became more mixed, with conversion to industrial uses. This area was more suitable to industrial uses because land values were not as high. Topographically, the area is more level, and it does not have views like the areas north of downtown. Various ethnic groups settled in the area because of the affordability of land ownership.

San Ysidro began to be developed around the turn of the twentieth century. The early settlers were followers of the Littlelanders colonies movement. There, the pattern of development was designed to accommodate small plots of land for each homeowner to farm as part of a farming/residential cooperative community. Nearby Otay Mesa-Nestor began to be developed by farmers of Germanic and Swiss backgrounds. Some of the prime citrus groves in

California were in the Otay Mesa-Nestor area. In addition, there were grape growers of Italian heritage who settled in the Otay River Valley and tributary canyons who produced wine for commercial purposes.

San Diego State University was established in the 1920s, and the development of the State College area began, including development of the Navajo community as an outgrowth from the college area and from the west. There was farming and ranching in Mission Valley until the middle portion of the twentieth century when the uses were converted to commercial and residential. There were dairy farms and chicken ranches adjacent to the San Diego River where now there are motels, restaurants, office complexes, and regional shopping malls. There was little development north of the San Diego River until Linda Vista was developed as military housing in the 1940s, when the federal government improved public facilities and extended water and sewer pipelines to the area. From Linda Vista, development spread north of Mission Valley to the Clairemont Mesa and Kearny Mesa areas. Development in these communities was mixed-use and residential on moderate-sized lots.

Tierrasanta, previously owned by the U.S. Navy, was developed in the 1970s. It was one of the first planned developments in the area with segregation of uses. Tierrasanta and many of the communities that have developed since, such as Rancho Penasquitos and Rancho Bernardo, represent the typical development pattern in San Diego in the last 25 to 30 years: uses are well segregated, with commercial uses located along the main thoroughfares and residential uses located beyond that. Industrial uses are located in planned industrial parks.

2.2.2 Historical Overview of the City of Poway

Poway was first recorded in 1828 as the valley of “Paguay” in documents from the Mission San Diego de Alcala. The valley owes its name to the tribes of San Diegueno Native Americans who inhabited the valley before the arrival of the Spanish in 1769. The native name of Paguay appeared on maps, such as the Rand McNally Atlases, as late as 1869. During Spanish rule, the valley was used for pasturing mission livestock, and its inhabitants were the Spanish Padres, Mission Indians, and nomadic bands of Native Americans (Poway Historical Book Committee 1981).

The first American settler believed to have established a homestead in Poway was Philip Crosthwaite, who built an adobe house and started a ranch in 1859. However, soon after, Crosthwaite sold his ranch to the Kerran Brothers and a woman known only Mrs. Anderson, who continued to maintain the ranch until 1874. Farmers had begun to settle within the valley and in 1874, the California State Legislature passed the “no-fence” law that required ranchers to keep cattle off farmers’ property, even if the property is not bound by a fence. The Kerran ranch and others in the area were unable to comply with these rules and cattle disappeared from the landscape. Thus, the economy of the valley shifted to agriculture (Poway Historical Book Committee 1981; Granberry 1985).

By 1887, the population increased to 800 people, and the valley had a prosperous farming and dairying industry. The community had established a church, stores, school, and hotel, and there was the possibility two railroads would be built in the valley. This brought an increase in residents. The real-estate firm of Baird and Chapin was drawn to the prospects of the area. The firm planned residential communities around small parks in a subdivision plan called Piermont. However, the railroad never materialized, settlers began to leave the valley, and the subdivision was never completed (Poway Historical Book Committee 1981).

Exhibit A. View of homes in Poway, ca. 1900.

Source: San Diego Historical Society, California Border Region Digitization Project photograph collection

Throughout the early 1900s, inhabitants faced drought and transportation difficulties, but Poway still thrived as a farming community. The valley was known for its peaches, vineyards, grain, and alfalfa. Transportation was limited to wagons and stagecoaches, so seeds were carried by wagon from San Diego using the old Pomerado Grade. The Poway Post Office was established in 1901, and received mail twice a day from two four-horse stagecoaches, one that traveled from Escondido every morning, and another from San Diego (Poway Historical Book Committee 1981; Stuart 1966).

Poway experienced periods of droughts that led to the decline of agriculture in the early 1900s. Although there was a local creek that supplied water fit for agriculture, the lack of easily available drinking water prevented the growth of the town until water districts formed after World War II. By 1954, the Poway Municipal Water District was created to utilize water from the Colorado River Aqueduct, and by 1957, the sewer system was completed and developers began building housing tracts. In 1971, the dam that created Lake Poway was constructed, and it became a stable source of water for the residents. At this time, Poway's economy was no longer supported by agriculture, and it instead became a residential community for people who worked throughout the San Diego Area (Poway City History).

In the 1970s, members of the community decided that Poway should become its own city. They wanted their own City Council so town decisions could be made by locals. A measure to incorporate Poway was put on a ballot in 1976, but voters were concerned that Poway would not have enough financial stability on its own, so they rejected the measure. By 1980, it was determined that Poway would be able to afford the cost of cityhood, and another election was held in November of that year. Over half the voters voted in favor of Poway becoming a city, and on December 1, 1980, it officially became the City of Poway under the motto, "The City in the Country." By 1981, Poway had its own City Council, City Hall, and Civic Center (Gorman 1985; Greeley 1981).

During the 2000s, the population of Poway steadily increased, reaching a peak in 2015 with about 50,000 citizens. Today, the population is comprised of 48,564 citizens, and Poway still maintains its rural identity as a small country city. Although the farming industry never returned, it is still a popular location for residents who work in San Diego (US Census Bureau, 2022).

2.2.3 Relevant Themes

Rock Houses or Big Stone style (1890 - 1940)

Rock houses, either constructed of or clad in rocks, are present throughout California. The type of rock utilized for these homes is dependent on local geographic context, with the typology typically concentrated in areas with abundant accessible natural rocks, stones, and boulders. These residences are most obviously characterized by their simple, usually rectilinear forms with visible rocks on all elevations; rock houses frequently have few other decorative details. While it was common for rock houses to be built without the assistance of a formally trained architect, some of these residences were nonetheless constructed by skilled stonemasons or other tradespeople. Still, other examples, like the rock houses of Poway, are more vernacular and utilitarian, often being built by their original owner out of readily available material. While rock houses can take on a variety of styles and forms depending on location, they are often both influenced by and representative of the Arts and Crafts movement, which emphasized the use of natural materials and harmony with nature. Some of these residences can take on elements of the Mission Revival style. Rock houses were constructed in California beginning in the second half of the nineteenth century, with areas like Poway continuing to construct these homes until circa 1940. (Grimes 2016: 40; McAlester 2013; Smith 1991; Smith 1992; Emerson 2016).

There are numerous rock houses in Poway, largely due to the accessibility of rocks from the area's many streams and hills. Rock houses in Poway are generally referred to as being built in the Big Stone style. Frequently, Big Stone buildings were constructed using boulders and large rocks as their structural systems, but some buildings described as Big Stone in style, like the Harmon House adjacent to the Project site, are simply clad in rock and stone. The 1992 Poway Historical Resources Inventory List includes approximately 21 buildings explicitly identified as Big Stone, including the Harmon House. In Poway, a notable concentration of Big Stone buildings is the Big Stone Lodge complex, a 1.7-acre former resort along Old Pomerado Road that was initially planned in 1920s, but abandoned during the Great Depression. Additional concentrations of Big Stone buildings are located in the Big Stone and Beeler Canyon areas of Poway, along Old Pomerado Road, and along Metate Lane. (Smith 2005; 1991; Smith 1992; SOHO 2018).

Character-defining features include:

- Built of stone or clad in stone (usually locally sourced)
- 1-2 stories in height
- Simple, usually rectilinear footprints
- Minimal decorative ornamentation
- Hipped or gabled roofs with overhanging eaves
- Small, recessed window openings

Ranch Style (1930-1975)

Ranch-style houses in California reflect a national trend of fascination with the "Old West" and were a building style of choice for tract housing in the mid-twentieth century. Ranch homes were originally developed in the western and southwestern United States, but quickly gained national popularity through the dissemination of do-it-yourself manuals and plans in national magazines such as *Sunset, Better Homes and Gardens,* and *House Beautiful.* Ranch houses were also popular as a custom-built type of housing, which was especially popular in the later 1940s and 1950s. Ranch houses were typically built between 1930 and 1975, but peaked in the 1950s, as the most prevalent type of post-World War II suburban tract-style housing, often housing veterans who secured housing with FHA loans.

Ranch style houses are usually one-story, single-family residences. Houses designed in this architectural style include several identifying characteristics such as rambling, elongated plans; a horizontal emphasis; general asymmetry; free-flowing interior spaces; and a designed connection to the outdoors. Features such as low-pitched roofs with wide eaves, a combination of cladding materials including board-and-batten siding, brick and stone chimneys, and large picture windows were commonly applied and evoked an aesthetic that was reminiscent of these past architectural traditions. Decorative features such as wood shutters and dovecotes were often added to enhance the rusticated appearance of Ranch houses (Grimes and Chiang 2009; Horak et.al. 2015; McAlester 2013).

Character-defining features include:

- Rambling, elongated plans with a horizontal emphasis
- 1-2 stories in height
- Low-pitched gabled or hipped roofs with overhanging, open eaves
- General asymmetry
- Free-flowing interior spaces
- Designed connection to the outdoors
- Cladding featuring stucco, board and batten, shingles, clapboard, or a combination of materials
- Brick or stone chimney details
- Attached garages often linked to residence by breezeways
- Combinations of stone, brick, board and batten, clapboard, or horizontal wood siding used for accent on walls, secondary cladding types, and planters
- Functional and non-functional shutters details as trim around windows
- Fenestration may include a picture window

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3 BACKGROUND RESEARCH

3.1 Records Search Results

3.1.1 Previously Conducted Cultural Resource Studies

The records search identified 72 previous studies that have been performed within one mile of the Study Area defined for the Project site. Three of these studies overlap portions of the Study Area, and one is within a 1-mile radius. However, the entire Study Area has not been previously surveyed. Table 2 summarizes the previously conducted cultural resources studies within 1 mile of the Study Area.

Table 2. Previously Conducted Cultural Resource Studies

Report ID	Authors	Year	Title
Previous Built Environment Studies Overlapping the Study Area			
SD-03405	Robbins-Wade, Mary and Karlene Leeper	1990	Archaeological and Historical Resources Survey and Assessment for the Oak Knoll Road Parcels
SD-04734	Mason, Roger	1990	Cultural Resource Survey Report for General Plan Amendment/Zone Change 89-04B in The City of Poway, San Diego, CA
SD-07159	Smith, Brian and Kevin Hunt	2000	A Cultural Resource Study for the Silver Lake Archaeological Site/Interpretive Center Project, Poway, California
Previous Cultural Resource Studies Within 1-mile of Study Area			
SD-00163	Berryman, Jady A.	1976	Archaeological Study of Casa Real Poway Mesa, California.

3.1.2 Previously Identified Built Environment Resources

The records search identified sixteen previously identified cultural resources, four of which are built environment resources within one mile of the Study Area, with one that intersects the current Study Area. A brief discussion of the intersecting resource, P-37-016042, is included below. Table 3 summarizes the built environment resources within 1 mile of the Study Area (DeCarlo 2022).

Table 3. Previously Identified Built Environment Resources

Primary ID	Name and Description	Year and Recorded by	CHRS Status Code
Built Environment Resources Intersecting Study Area			
P-37-016042	Abandoned cistern filled with refuse; 12718 Oak Knoll Road	1998 (Brian F. Smith & Associates)	No information on form provided by SCIC
Built Environment Resources Within 1-Mile of Study Area			
P-37-027171	Cylindrical water tank made of steel with a one-million-gallon capacity and is 32 feet tall; 1360 Celestial Road.	2004 (Kathleen A. Crawford)	6Y: Determined ineligible for NR by consensus through Section 106 process – Not evaluated for CR or local listing.
P-37-033470	Dirt road heading toward Lake Cuyamaca through a pass between two hills within Cuyamaca Rancho State Park	2011 (Bonnie Bruce and Sue Wade)	No information
P-37-033557	Old Highway 395; San Diego	2018 (Sarah Stringer-Bowsher, ASM Affiliates, Inc.)	No information

P-37-016042/CA-SDI-14605/H

This resource was identified in 1998 during the grading of an empty lot and consists of a cistern from around 1900-1910 filled with refuse (Kirkish 1998). The refuse included household goods, automobile items, building materials, and personal items. The systematic recovery of cultural material from the feature and trash scatter exhausted the data potential of the site and avoidance of the resource is not necessary. This resource was identified within the current Study Area.

3.2 Building Development Research

The following text provides a summary of additional background research conducted by Dudek to arrive at a general understanding of the settlement and development of the Built Environment Study Area and to gather information on the development of properties evaluated in this study. Dudek completed background research using the sources specified in the following sections.

3.2.1 Archival Research

In addition to the records search results, building development and archival research were conducted for the Project site and the four historic age buildings in an effort to establish a thorough and accurate historic context for the significance evaluations and to confirm the building development history of these properties. These additional sources are summarized below.

Built Environment Resource Directory (BERD)

The Built Environment Resources Directory (BERD) files provide information, organized by county, regarding non-archaeological resources in the Office of Historic Preservation's (OHP) inventory. The OHP inventory contains information only for cultural resources that have been processed through the office. This includes resources reviewed for eligibility to the National Register of Historic Places and the California Historical Landmarks programs through federal and state environmental compliance laws, and resources nominated under federal and state registration programs. Dudek reviewed the BERD file for San Diego County. None of the properties within the study area were listed in the BERD as of July 22, 2022.

Poway Branch Library, San Diego County Library

Research was conducted in person at the Poway Branch Library, San Diego County Library on May 4, 2022. Dudek requested and reviewed available information on the history of Poway, historic photographs, biographical information, and building history pertaining to all four properties in the study area.

Poway Historical Society

Dudek contacted the Poway Historical Society on June 21, 2022 for information on the two listed Poway Historic Sites: 12702 Oak Knoll Road and 12623 Oak Knoll Road. As of the date of this report, no response has been received.

City of Poway

On June 6, 2022 Dudek contacted the Development Services department of the City of Poway to obtain information related to the listing of 12702 Oak Knoll Road (PHS 113) and 12623 Oak Knoll Road (PHS 112) and the development history, including building permits, for all properties in the study area. In response, City Planner David De Vries sent Dudek the City's general plan and relevant chapters and ordinances related to historical resources. Mr. De Vries advised Dudek to contact Brian Smith to obtain information on the designations of 12702 Oak Knoll Road (see Consultation with Brian Smith, below). The City shared the list of Poway Historical Sites prepared by Brian F. Smith and Associates. No evaluations of these properties were available in document form. Information relating to building permit records or water and sewer connection records was not available from the City of Poway or County of San Diego Assessor's Office.

Consultation with Brian Smith

On December 6, 2022, Dudek contacted Brian Smith by email to inquire about the Harmon House. The correspondence is attached to this report in Appendix C.

ParcelQuest

On June 6, 2022, ParcelQuest was used to access San Diego County Assessor's information about the properties located within the study area. Information regarding dates of construction and current owner name(s), if noted, was used in the preparation of the evaluations of significance and historic context.

San Diego County Digital Library

Dudek borrowed several books and researched historical photographs available from the San Diego County Digital Library. All available information obtained from the library was used in the preparation of the historic context and evaluations of significance for the properties in the study area.

Historical Newspaper Review

Newspapers related to the properties and Project site were reviewed at www.newspapers.com (Newspapers 2022) and ProQuest Historical Newspapers at www.proquest.com. Dudek reviewed historical newspapers from San Diego and surrounding cities in an effort to understand the development of the City of Poway, the Project site, and the subject properties at Property A: 12702 Oak Knoll Road (APN 317-500-14-00), Property B: 12650 Oak Knoll Road (APN 317-500-13-00), Property C: 12624 (APN 317-500-11-00), and Property D: 12623 Oak Knoll Road (APN 317-501-02-00).

3.2.2 Historical Aerial Photographs and Sanborn Fire Insurance Maps

A review of historical aerial photographs was conducted as part of the archival research effort from the following years: 1939, 1949, 1964, 1966, 1967, 1968, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016, 2018. The Built Environment Study Area was reviewed on City of Poway Sanborn Fire Insurance Maps for the years 1887, 1888, 1906, 1921, 1940, and 1956. The study area is not visible on any Sanborn maps. Table 4 discusses the development of the Built Environment Study Area (NETR 2022; UCSB 2022).

Table 4. Historic Aerial Photographs and Historic Maps

Photograph Year	Observations and Findings
1939	This is the earliest aerial photograph of the Study Area. The area is mostly divided into agricultural uses. The Harmon House (**Property A)** and the house at 12623 Oak Knoll Road (**Property B**) are visible. There are three structures visible to the east of **Property A** and orchards to the west**.**
1949	There are no discernible changes to the buildings since 1939. The orchards that appeared west of **Property A** have been removed.
1964	The four residences included in the Study are visible on their parcels. Oak Knoll Road is visible with scattered single-family homes among undeveloped land to the north and south of the street.

	The surrounding region appears to include residential developments to the east on the east side of Carriage Road, and to the south along Soule Street, where development is separated from the Study Area by Poway Creek and a visible green belt.
1966	No discernable changes to the Study Area.
1967	No discernable changes to the Study Area.
1968	No discernable changes to the Study Area.
1978	Oak Knoll Road appears to have been widened and developed. Residential development appears east and west of the Study Area. **12624 Oak Knoll Road (Property C)** – Changes include the addition of a rectangular ancillary building on the northeast side of the property, a rectangular shaped addition on the northwest side of the primary residence, and a pool on the southwest side of the backyard, directly behind the residence.
1980	No discernable changes to the Study Area.
1981	No discernable changes to the Study Area.
1982	No discernable changes to the Study Area.
1983	No discernable changes to the Study Area.
1984	No discernable changes to the Study Area.
1985	Construction begins on an apartment complex on the north side of Oak Knoll Road, just west of **Property C**.
1986	Construction on the apartment complex appears to be complete.
1987	No discernable changes to the Study Area.
1988	No discernable changes to the Study Area.
1989	No discernable changes to the Study Area.
1990	No discernable changes to the Study Area.
1991	No discernable changes to the Study Area.
1993	No discernable changes to the Study Area.
1994	**Property D** - There appears to be the addition of a rectangular ancillary building on the southeast side of the property.
1995	No discernable changes to the Study Area.
1996	No discernable changes to the Study Area.
1997	The neighboring building east of **Property A** is demolished.
1998	The site east of **Property A** is cleared.
1999	A tract of single-family houses with similar footprints appears on the property east of **Property A**.
2000	No discernable changes to the Study Area.

2002	Construction begins on the parcels on the south side of Oak Knoll Road, across from **Property A** and **Property B**, east of **Property C**. **Property B** - There appears to be a small rectangular addition to the rear of the building.
2003	Single-family houses with similar footprints appear on the south side of Oak Knoll Road across from **Property A** and **Property B**.
2005	No discernable changes to the Study Area.
2009	**Property C** - The rectangular ancillary building on the northwest side of the property is moved to the northeast side, and the pool appears to be removed.
2010	Residential development appears to infill the previously undeveloped land on the south side of Oak Knoll Road, west of **Property D**.
2012	No discernable changes to the Study Area.
2014	**Property C** - A front addition is added to the ancillary building on the northeast side of the property, giving the building an irregular shape.
2016	No discernable changes to the Study Area.
2018	No discernable changes to the Study Area.

4 FIELD SURVEY

4.1 Field Survey Methods

The Dudek project team responsible for this report and/or the fieldwork and analysis supporting this report Dudek included Architectural Historians Claire Cancilla, MSHP, Katie Ahmanson, MHC, and Nicole Frank, MSHP. The report was reviewed for quality assurance/quality control by Dudek Senior Architectural Historian Allison Lyons, MSHP, Historic Built Environment Lead and Task Manager Sarah Corder, MFA. All authors and reviewers meet the Secretary of the Interior's Professional Qualifications Standards (36 CFR Part 61) for architectural history, history, or both. The preparers' qualifications are located in Appendix A.

4.2 Field Survey Results

Four historic age properties are located within the Built Environment Study Area for this project: Property A: 12702 Oak Knoll Road (APN 317-500-14-00), Property B: 12650 Oak Knoll Road (APN 317-500-13-00), Property C: 12624 (APN 317-500-11-00), and Property D: 12623 Oak Knoll Road (APN 317-501-02-00) (Figure 2).

The properties were documented and evaluated in consideration of NRHP and CRHR and integrity requirements as part of this study. Section 4.3 below provides a general physical description, photograph, history of ownership, and any alterations identified. Dates and details of construction and alterations were not available from the City of Poway records or the San Diego County Planning & Development Services Department and instead, have been estimated from aerial photographs and survey observations.

4.3 Descriptions of Surveyed Resources

Property A: 12702 Oak Knoll Road (APN 317-500-14-00)

Property Description

Property A is a one-story, single-family Rock House style house constructed circa 1933-1940 (Smith 1991: 16). The residence has an L-shaped plan, with the original rectangular rock-clad portion to the south (facing Oak Knoll Road) and a 1974 single-story wood frame rectangular addition clad in wood shake shingles extending to the north. According to a 1990 structural report on the property, the original rock portion of the property is of wood frame construction with a concrete base; this report indicates that the rocks on the original portion of the house do not appear to be structural (Smith 1991: 14). The rocks are larger at the base of the wall, becoming smaller as the wall ascends. The property has a low-pitched cross-gabled roof clad in non-original composite shingles with slight overhanging wood eaves. Gable ends on multiple elevations of the original rock portion of the house are clad in stucco, separating the rock from the roof. There is a large stone chimney at the southeast corner of the residence.

Property A's primary (south) elevation, facing Oak Knoll Road, has a single-leaf wood door with four raised panels flanked by identical replacement slider windows and covered by a projecting gabled overhang. Additional fenestration on the original rock portion of the house was largely obscured from view at the time of the intensive

survey but appears to consist of a small rectangular wood frame single pane window and a four-light wood frame window on its east side elevation and a replacement slider window on its west side elevation. Fenestration on the 1974 addition is comprised of wood frame single-pane or slider windows and a partially glazed wood door. There is a concrete patio and non-original single-story ancillary shed clad in wood siding located several feet northwest of the house.

Exhibit B. 12702 Oak Knoll Road. Primary (south) elevation, looking north. The 1974 addition is located at the north rear of the building and is clad in wood shingles rather than the stone north end of the elevation.

Source: DSC01712

Identified Alterations

The following list of known alterations to Property A was compiled through archival research, during the intensive survey, and from the previous 1991 report on the property by Brian S. Smith & Associates. Unless indicated, the date of these alterations is unknown:

- A 1974 single-story rectangular addition clad in wood shingles on the property's north elevation. The 1991 report notes that the date of the addition was inscribed in the concrete foundation outside the addition (1974; Smith 1991: 18).
- Replacement of wood roof shingles with composite shingles (observed, unknown date; Smith 1991: 15).
- Addition of an ancillary shed to the northwest of the residence (observed, the shed was present by 1991; Smith 1991: 17).
- Replacement of windows on the primary (south) and west side elevations (observed, no date)
- Likely replacement of main entrance door on primary (south) elevation (observed, no date)

Property History

There is one house on Property A: 12702 Oak Knoll Road. The rock house has one major addition at its north rear from 1974.

According to the San Diego County Assessor, the 1,117 square-foot single-family residence was constructed circa 1933 on the same rectangular parcel that exists today (ParcelQuest 2022). However, this date has not been definitively confirmed and other sources offer different dates of construction ranging from 1933 to the 1940s. A report prepared by Affinitis in 1990 identified the house as being constructed sometime in the 1930s. The 1991 Smith & Associates report notes that "the age of the structure is not greater than 60 years and is more likely in the range of 45 to 55 years," giving a construction date of circa-1940s (Smith 1991: 16). The property's listing on the Poway Historical Sites List includes a date of construction as circa-1940s. (Smith 1991: 16; Smith 1992).

A history of the property's owners was unobtainable from the San Diego County recorder. Table 5, below lists the ownership history information that was identified from previous reports, historic newspapers from www.newspapers.com, information on ancestry.com, and conveyance information provided by the current property owners (Smith 1991; NETR 2022; Ancestry 2022). The original owners appear to have been John and Joe Markwalder, brothers who immigrated to the United States from Switzerland around 1919 and worked as farmers. Smith reports that the brothers purchased land in 1927. While they were listed in Poway directories as of 1933, no address is included in the listing. The 1930 US Federal Census record for John Markwalder lists his residence as Escondido and his occupation as grain farmer. John Markwalder's World War II draft registration card lists his address in 1942 as 1145 10th Street in San Diego and his brother Joe's address as Escondido. John worked for Consolidated Aircraft Corporation during the war (Smith 1991: 16; Ancestry 2022). Joe appears to have returned to Poway by the mid-1950s; an article from 1956 mentions Joe and his wife as living on Oak Knoll, but does not have a specific address (Times-Advocate 1956: 5.)

Table 5. List of Ownership for Property A*

Years owned/occupied	Name	Acquisition Date	Reference Source
Circa 1927	Joe and John Markwalder	1927 (land)	Smith 1991: 16
Unknown	Mrs. Caine**	Unknown	Smith 1991: 16

Table 5. List of Ownership for Property A*

Years owned/occupied	Name	Acquisition Date	Reference Source
Unknown	Mrs. Cook (Mrs. Caine's niece) **	Unknown	Smith 1991: 16
1974	Mr. and Mrs. Richard Miller	Unknown	Times-Advocate 1974

*Obtained from research on newspapers.com and ancestry.com and previous reports on Property A
**These names come from the 1991 Smith & Associates report; there are no first names provided and Dudek's research has not identified the first names of these owners.

Architect and Builder

No architect or builder could be identified for Property A. The 1991 Smith & Associates report on the property states that it was originally owned by brothers Joe and John Markwalder, who also constructed another rock house to the east of the subject property. That rock house was located at 12718 Oak Knoll Road and was known as the Markwalder House (demolished). The report notes that the brothers may have built Property A as well, although this could not be definitively confirmed by Dudek's research (Smith 1991: 16).

Previous Evaluations

Property A has been previously evaluated:

- 1990: a property inspection report was completed by the Murray Company, which focused on a partial inspection to determine the property's structural adequacy. This report found that the house was constructed of wood frame, post and pier foundation, and rock fascia. The report stated that the rock finish does not serve a structural function. The report found Property A to be in "a poor state of repair" largely due to due to severe sloping in the western end of the original structure and in the northwest corner of the addition. Dudek does not have a copy of this report; its results were summarized in a 1991 report from Smith & Associates (Smith 1991: 14).
- 1990: The property was evaluated by Affinitis. Dudek does not have a copy of this report, but it is referenced in a later 1991 study by Brian Smith & Associates (Smith 1991).
- 1991: Brian Smith & Associates wrote a cultural report which discussed some of the research from the 1990 study by Affinitis and supplemented it with additional research and evaluation. This report found that while the home met the minimum criteria as a Category C building as an example of the rock house / Big Stone typology, it was a "poor" example of the type due to compromised integrity from both the 1974 addition and material deterioration (Smith 1991: 3, 18).
- 1991: Property A is also listed on Poway's Historical Sites List (listed as PHS-113), where it is described as a Big Stone house constructed of cobblestone and called the Harmon House (Smith 1992: 6).

Property B: 12650 Oak Knoll Road (APN 317-500-13-00)

Property Description

The subject property is a one-story, single-family house constructed in 1957 (San Diego County Assessor). The house has elements of the Minimal Ranch style. The building has an L-shaped plan with a low-pitched, cross-hipped roof clad in composition shingles, with open eaves and exposed rafters. The main (south) elevation features a two-bay wide projection (west side). Cladding on the main elevation is divided along a horizontal line. On the east side, this is vertical wood board cladding along the top half of the wall and horizontal wood board cladding on the bottom half. Fenestration is a sliding, aluminum sash window. A recessed entrance is centrally located at the intersection of the two masses of the L-shape plan. The entrance is a single panel door. The second, or western, mass of the L-shape is two bays wide and protrudes south with vertical wood board cladding along the top half of the wall and smooth stucco along the bottom half. A sliding aluminum frame entrance is on the east side of the elevation. The two-material cladding continues on the east side elevation. The east side elevation features two sliding windows with an aluminum sash. The west side elevation is clad in smooth stucco and includes a multi-light casement window. The property is located in the middle of the block and is set back on its parcel with a grass lawn and concrete driveway. Alterations to the appear to include the replacement of the original window sash with vinyl (dates unknown).

Exhibit C. 12650 Oak Knoll Road. Primary (south) elevation, looking northeast.

Source: DSC04607

Identified Alterations

The following list of known alterations to Property B was compiled through archival research and during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Replacement vinyl windows, multiple elevations (observed, no date)
- Addition to the rear (observed, 2002)

Property History

There is one house on Property B: 12650 Oak Knoll Road. According to the San Diego County Assessor, the 1,441 square-foot single-family residence was constructed circa 1957 on the same rectangular parcel that exists today (ParcelQuest 2022). The Minimal Ranch-style home has no major additions, though it has been altered. Ownership information was unobtainable from the San Diego County recorder. The earliest ownership information available identified Richard and Helen Wexeberg as the owners of the property in 1964. The next known residents of the property were James and Joan French in 1971, Katie B. Carter in 1975, and Eugene and Barbara Pendell in 1976, followed by Thomas J. Kerr in 1998. Table 6, below lists the ownership history information that was found in historic newspapers from www.newspapers.com, and information on ancestry.com (NETR 2022; Ancestry 2022).

Table 6. List of Ownership for Property B*

Years owned/occupied	Name	Acquisition Date	Reference Source
1964	Richard J. and Helen Wexeberg	Unknown	Times-Advocate, 1964
1971	James J. French and Joan French	Unknown	Haines Criss-Cross Directory 1971
1975	Katie B. Carter	Unknown	Haines Criss-Cross Directory 1975
1976	Eugene E. and Barbara Pendell	Unknown	Times-Advocate, 1976
1998	Thomas J Kerr	Unknown	U.S., Phone and Address Directories, 1993-2002

*obtained from research on newspapers.com and ancestry.com

Architect and Builder

No architect or builder could be identified for Property B.

Previous Evaluations

The property has not been previously evaluated for historical significance.

Property C: 12624 Oak Knoll Road (APN 317-500-11-00)

Property Description

The subject property is a one-story, single-family house constructed in 1959, with two ancillary buildings on the rear of the parcel (San Diego County Assessor). The house has elements of the Minimal Ranch style. The building has a rectangular plan with a low-pitched, side-gabled roof clad in composition shingles, with open eaves, exposed rafters, and an overhang that extends above the entry porch. Cladding is rough textured stucco with vertical wood board cladding along the central entrance porch. The main (south) elevation is divided into five bays. A double-light sliding window is featured within the first bay. A brick-clad chimney with a concrete cap extends above the roofline in the second bay where the roofline extends over the porch. Within the porch, there is a large centrally placed, five-over-five square light wood sash window and single main entry door, obscured by a security door. The entrance porch is accessed by stone concrete to the east of the porch foundation. Wood posts along the perimeter of the porch support the overhang above. To the east of the entrance is a small double-hung window and multi-light sliding window, in the fourth and fifth bays, respectively. A multipaneled wood garage door is featured on the far east side of the main elevation and leads to the attached garage. A wood picket fence extends from the west side of the main elevation to the property line. The west side elevation is clad in rough textured stucco and includes two double light sliding windows, as well as a centrally located decorative vent beneath the pitch of the gable. On the east side elevation is a single, central multi-light fixed window. The two ancillary buildings sit on the east side of the northeast rear of the property. One furthest south features a vertical wood board clad rectangular mass topped by a side gable, wood shingle roof with open eaves, exposed rafters, and a wide overhang supported by wood posts to cover a surrounding porch. The other is just north of the first ancillary building and has a modular composition with a side gable and shed roof. The property is located in the center of a primarily residential block, and set back on its parcel with an open lawn, and a concrete driveway leading to the attached garage. Alterations to the residence appear to be the replacement of the original garage door, and the replacement of the original window sash with vinyl (dates unknown).

Exhibit D. 12624 Oak Knoll Road. Primary (south) elevation, looking northwest.

Source: DSC04603

Identified Alterations

The following list of known alterations to Property C was compiled through archival research and during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Replacement vinyl windows, multiple elevations (observed, no date)
- Addition of a rectangular ancillary building on the northeast side of the property (observed, 1978)
- Addition of a rectangular ancillary building on the northwest side (observed, 1978)
- Addition of a pool on the southwest side of the backyard, directly behind the residence (observed, 1978)
- Replacement of original garage door (observed, 2014)
- Front addition to the ancillary building on the northeast side of the property (observed, 2014)
- Replacement of wood fence (observed, 2015)

Property History

There is one house presently on Property C: 12624 Oak Knoll Road. According to the San Diego County Assessor, the 1,634 square-foot single-family residence was constructed circa 1959 on the same rectangular parcel that exists today (ParcelQuest 2022). The Minimal Ranch-style home has no major additions, though it has been altered. Ownership information was unobtainable from the San Diego County recorder. No information could be found on the McMahan family. The property has been owned by the Harmon family since 1966. Edward K. Harmon was born in Arkansas in 1928. Joyce Juanita Harmon was born in Arkansas in 1931. The couple moved to Poway in 1966 and appear to have resided at 12624 Oak Knoll Road for several decades. Edward Harmon served in the US Navy, reaching the rank of Commander before retiring in 1978. Joyce and Edward Harmon worked in real estate and were active members of many local clubs and organizations. Joyce passed away in 2000 and Edward died in 2015. The couple had three daughters (North County Times 2000). Table 7, below lists the ownership history information that was found in historic newspapers from www.newspapers.com, and information on ancestry.com (NETR 2022; Ancestry 2022).

Table 7. List of Ownership for Property C*

Years owned/occupied	Name	Acquisition Date	Reference Source
1963	Mr. and Mrs. Everett P. McMahan	Unknown	Times Advocate, 1963
1971	Edward K. Harmon	1966	Haines Criss-Cross Directory, 1971
1974	Juanita Harmon	1966	Times Advocate, 1974
1975	Edward Harmon	1966	Haines Criss-Cross Directory, 1975
1979	Edward Harmon	1966	Haines Criss-Cross Directory, 1979
1993-2002	Juanita and Edward K. Harmon	1966	U.S., Phone and Address Directories, 1993-2002

*obtained from research on newspapers.com and ancestry.com

Architect and Builder

No architect or builder could be identified for Property C.

Previous Evaluations

The property has not been previously evaluated for historical significance.

Property D: 12623 Oak Knoll Road (APN 317-501-02-00)

Property Description

The subject property is a one-story, single-family residence with an ancillary building to the rear of the property. It was constructed in 1946 (San Diego County Assessor). The residence is divided into two masses with an L-shaped plan. The front mass (long side of the L) is clad with a vertical wood board and batten. The front mass is topped by a flat roof with closed eaves. A side gable roof clad in corrugated metal with open eaves tops the second mass. The main (north) elevation is seven bays wide and features three wood sash multilight double casement windows; a centrally located entry door obscured by an iron security door accessed by two concrete steps; and a single wood sash multilight double casement window in the sixth bay, centered between the fifth and seventh bays. The west side elevation spans four bays and includes three sliding windows in the second and fourth bays, while the east side elevation does not have fenestration. Side elevations are clad in wood board and batten. The residence is slightly raised on a concrete block foundation. A chain-link fence surrounds the property, and an unpaved driveway leads from the street to another chain-link fence that encompasses the backyard (east of the residence). The ancillary building sits on the southeast side of the property with a shed roof clad with composition shingles and double doors on the main (north) elevation (NETR, 1994). The property is in the middle of the block and the residence is set back on its parcel with an open grass lawn. Alterations to the residence appear to include the addition of fencing (date unknown), and a security door to the entry (NETR, 1994). The glazing has been removed from the wood sash window adjacent to the entrance.

Exhibit E. 12623 Oak Knoll Road. Primary (north) elevation, looking southwest.

Source: DSC04599

Exhibit F. 12623 Oak Knoll Road. Primary (north) elevation and west elevation, looking southeast.

Source: DSC04597

Identified Alterations

The following list of known alterations to Property D was compiled through archival research and during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Glazing removed from the wood sash window adjacent to the entrance (observed, no date)
- Addition of a rectangular ancillary building on the southeast side of the property (observed, 1994)
- Addition of security door to front entry door (observed, 2014)

Property History

There is one house presently on Property D: 12623 Oak Knoll Road. According to the San Diego County Assessor, the 625 square-foot single-family residence was constructed circa 1946 on the same rectangular parcel that exists today (ParcelQuest 2022). A building or structure appears on the earliest available aerial photographs of the area from 1939. There is no permit history available for the building and the precise year of construction for the extant building on the site could not be confirmed. The home has been altered. Ownership information prior to 1971 was

unobtainable from the San Diego County recorder, and could not be identified through research of historic newspapers or available documents on ancestry.com.

Table 8. List of Ownership for Property D*

Years owned/occupied	Name	Acquisition Date	Reference Source
1971	Terry L. and Verba Cruise	unknown	Haines Criss-Cross Directory, 1971
1975	Rhonda L. Esh	unknown	Haines Criss-Cross Directory, 1971
1979	vacant	unknown	Haines Criss-Cross Directory, 1971

*obtained from Haines Criss-Cross Directory and current owner's records

Architect and Builder

No architect or builder could be identified for Property D.

Previous Evaluations

Property D has been previously evaluated:

- 1991: Property D is listed on Poway's Historical Sites List (listed as PHS-112), where it is described as a House constructed of Lath and board constructed c. 1920 (Smith 1992: 6).

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5 SIGNIFICANCE EVALUATIONS

5.1 Property A: 12702 Oak Knoll Rd

Property A: 12702 Oak Knoll Road (APN: 317-500-14-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district, as demonstrated below.

Subchapter 17.45.050 of the City of Poway Municipal Code states that for a historic/cultural resource to be designated as a Poway historic landmark, it must meet the requirements of a Category A or B historic/cultural resource. In addition, the Development Services Department shall find that the historic/cultural resource meets one of the eight criteria for local landmark designation. 12702 Oak Knoll Road does not meet the requirements of a Category A or B historic/cultural resource and further does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. Therefore, Property A is not eligible for listing as a local landmark and should not be considered a historical resource for the purposes of CEQA.

Although Property A is not eligible as a landmark, it appears to fulfill the minimum requirements of a Category C building as a good example of a period of architecture design or construction with a commonplace design and appears to be an important resource with substantial alterations that have severely compromised its historic, cultural, or architectural significance.

No evidence was found to support a finding of historical significance for the Harmon House; however, following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property A did not find any associations with events that made a significant contribution to the broad patterns of history. Although the date of construction for Property A could not be definitively confirmed, it appears to have been constructed circa 1940. The property's original owners, Joe and John Markwalder, were farmers who likely constructed the property themselves. Poway was a primarily agrarian area beginning circa 1859. While Property A appears to have been constructed by farmers during this agricultural period and prior to the real estate boom in the 1950s that contributed to the area's increased residential suburbanization following the establishment of a water district, there is no indication that the construction of this specific residence marked a pivotal movement in the history of the neighborhood or city. Rather, it appears to have been constructed as a continuation of the agricultural, ranching, and residential functions in Poway that existed for decades. Property A was neither the first nor the last rock house to be constructed in Poway. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway, California, or the United States; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national or state, level. The earliest ownership information available identified John and Joe Markwalder, farmers who immigrated to the United States from Switzerland around 1919, as the original owners of Property A. While research did not identify substantive information on subsequent owners, it appears that the house was later owned by a Mrs. Caine, who passed ownership to her niece, Mrs. Cook. The dates of occupancy for these individuals are unknown. The most recent identified occupants, from 1974, were Mr. and Mrs. Richard Miller. The property is owned by the Harmon family, and known as the Harmon House. However, research did not indicate the house was historically the residence of anyone with the name Harmon. Research did not identify information on the lives of each of the property owners or residents that would indicate they are individuals considered significant. Due to a lack of identified significant associations with important persons in history, Property A does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property A is a vernacular rock house constructed circa 1933-1940 with a 1974 addition at its rear north elevation. The property still visually reads as a rock house when viewed from the public-right-of way on Oak Knoll Drive, retaining its character-defining rock exterior cladding on its south, east, and west elevations. The 1974 addition on its north elevation, however, has affected the property's integrity, as elaborated upon in the "Integrity Discussion" below. As a result of this addition and smaller alterations such as window replacements on the south and west elevations, Property A's ability to convey the distinctive characteristics of its type or period has been diminished as it no longer appears to be a rock house from all elevations. In contrast to some rock houses in Poway, which use large boulders as their structural system, Property A is of wood frame construction clad in stone and rocks and does not appear to be distinctive or represent an innovative or noteworthy method of construction for rock houses.

Although an original building permit was not located, there is no indication that a master architect or firm designed the property. The residence may have been built by its original owners, John and Joe Markwalder, who were farmers. The property further does not appear to possess high artistic values by articulating a particular concept of design to the extent that it expresses an aesthetic ideal. Other than its rock cladding, the residence does not have notable design elements and it does not appear to be a unique example of its type in Poway.

The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property A does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties of the same construction period or type in the area. Therefore, Property A does not appear eligible NRHP Criterion C or CRHP Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo in 2022.

Integrity Discussion

Property A has not been moved and retains integrity of location. The earliest identified aerial photograph of the property shows that there was agricultural development directly surrounding the property; by 1978, however, extensive residential development was extant to the north of the property and today there are many houses adjacent to Property A (NETR 2022). Consequently, the property's integrity of setting has been diminished. In 1974, an addition was added to the north rear elevation of the original rock house. The addition is clad in wood shake shingles rather than stone and this addition may have necessitated the demolition or removal of part of the property's original north wall and rock cladding. The windows on the property's primary south elevation and its east elevation have also been replaced. These alterations, most significantly the rear addition, have diminished the property's integrity of design, materials, and workmanship. These changes have also diminished the property's integrity of feeling. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. In summation, Property A retains its integrity of location, but lacks integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property B: 12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below.

Although Property A is not eligible as a landmark, it appears to still fulfill the minimum requirements of a Category C building. A Category C building must meet one of two minimum requirements (City of Poway, Subchapter 17.45.030, 1989):

i. A good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City

ii. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance

In 1991, Smith & Associates identified Property A as meeting the minimum requirements of a Category C building. The report stated that Property A was an example of Big Stone architecture but was a "poor example" of its type (Smith 1991: 3). Dudek concurs with the finding that Property A meets the minimum requirements of a Category C building, as it does embody some the character-defining feature of the rock house typology but its integrity has been diminished due to the 1974 addition at the north rear and other smaller alterations, such as window replacements.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property A is related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property A does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property A was a location associated with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, Property A does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, Property A does not appear to have been designed by an architect or firm of major importance; it appears the building was constructed by its original owners. Therefore, Property A does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property A was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property A does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property A does not appear to exhibit an extraordinary class of architectural design, detail, materials, or craftsmanship. Property A is an example of a vernacular rock house but has been substantially altered so that its integrity of design, materials, and craftsmanship have been diminished. Therefore, Property B does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property A does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property A does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property A is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark, which has made a major contribution to the community. Therefore, Property A does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property A does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that

promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property A does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

12702 Oak Knoll Road (APN: 317-500-14-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Subchapter 17.45.050 of the City of Poway Municipal Code states that for a historic/cultural resource to be designated as a Poway historic landmark, it must meet the requirements of a Category A or B historic/cultural resource. In addition, the Development Services Department shall find that the historic/cultural resource meets one of the eight criteria for local landmark designation. 12702 Oak Knoll Road does not meet the requirements of a Category A or B historic/cultural resource and further does not meet any of the criteria for landmark listing by the City of Poway.

Property A (12702 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As a previously identified Poway Historic Site, the property appears to meet the requirements to be eligible as a City of Poway Category C building that possesses one the following characteristics:

1. It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;

2. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

5.2 Property B: 12650 Oak Knoll Rd

Property B: 12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district, as demonstrated below.

Property B further does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. As a building constructed in 1957 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NRHP, CRHR or Local designation through survey evaluation.

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are association with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property B did not find any associations with events that made a significant contribution to the broad patterns of history. The property was completed in 1957, during a real estate boom brought on by a new sewer system that provided residences with access to a stable source of water. Despite the property reflecting the trend of Poway's residential growth during the late 1950s, there is no indication that the construction of this specific

residence marked a pivotal movement in the history of the neighborhood or city. It was neither the first nor the last type and was merely following a continuous pattern of residential development that continued through the 1980s after Poway became a city. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and Property B. The earliest ownership information available identified Richard and Helen Wexeberg as the owners of the property in 1964. The next known residents of the property were James and Joan French in 1971, Katie B. Carter in 1975, and Eugene and Barbara Pendell in 1976, followed by Thomas J. Kerr in 1998. Research found little additional information on the lives of each of the property owners that would indicate they are individuals considered significant in our past. Due to a lack of identified significant associations with important persons in history, Property B does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property B does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a 1950s Ranch-style residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of the Minimal Ranch style and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the property could not be found. There is no known architect or firm associated with the design or development of Property B. There is no indication that the property is a distinguished example of work that was designed by an architect or firm recognized as unique in the field of Ranch house design or single-family residential development. Property B does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property B does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, Property B is not significant under Criterion C/3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo 2022.

Integrity Discussion

Property B contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been altered since the 1957 residence was

constructed. The integrity of setting has been diminished due to continued development in the area, particularly in the 1990s and early 2000s. The replacement of its original windows and the rear addition impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. Property B retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property B: 12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property B is related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property B does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property B was a location associated with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, Property B does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, the building identified on Property B does not exemplify a fine example of the Minimal Ranch style in the City of Poway. No original building permit could be located for Property B. Property B does not appear to be the work of an architect of major importance. Therefore, Property B does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property B was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property B does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property B does not appear to exhibit an extraordinary class of architectural design, detail, materials, or craftsmanship. It is a typical example of a ubiquitous Minimal Ranch House design. Therefore, Property B does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property B does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property B does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property B is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark, which has made a major contribution to the community. Therefore, Property B does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property B does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property B does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

Property B (12650 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As such, the property is not considered a CEQA historical resource.

5.3 Property C: 12624 Oak Knoll Rd

Property C: 12624 Oak Knoll Road (APN: 317-500-11-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district, as demonstrated below.

Property C further does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NRHP, CRHR or Local designation through survey evaluation.

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are association with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property C did not reveal any associations with events that made a significant contribution to the broad patterns of history. The property was completed in 1959, during a real estate boom brought on by a new sewer system that provided residences with access to a stable source of water. Despite the property reflecting the trend of Poway's residential growth during the late 1950s, there is no indication that the construction of this specific residence marked a pivotal movement in the history of the neighborhood or city. It was neither the first nor the last type and was merely following a continuous pattern of residential development that continued through the 1980s

after Poway became a city. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway, therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and Property C. The earliest ownership information identified that Mr. and Mrs. Everett P. McMahan owned the property in 1963. The next known owners of the property were Edward K. Harmon and Joyce Juanita Harmon. The property has been owned by the Harmon family since 1966. Edward K. Harmon was born in Arkansas in 1928. Joyce Juanita Harmon was born in Arkansas in 1931. The couple moved to Poway in 1966 and appear to have resided at 12624 Oak Knoll Road for several decades. Edward Harmon served in the US Navy, reaching the rank of Commander before retiring in 1978. Joyce and Edward Harmon worked in real estate and were active members of many local clubs and organizations. Joyce passed away in 2000 and Edward died in 2015. Despite the Harmons' role as prominent and active members of their community, research did not reveal information that would indicate Edward and Joyce Harmon are individuals considered significant in our past. Due to a lack of identified significant associations with important persons in history, Property C does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property C does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a 1950s Ranch-style residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of any particular style, and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the property could not be found. There is no known architect or firm associated with the design or development of Property C. There is no indication that the property is a distinguished example of work that was designed by an architect or firm recognized as unique in the field of Ranch house design or single-family residential development. Property C does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property C does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, Property C is not significant under Criterion C/3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo 2022.

Integrity Discussion

Property C contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been by continued development in the area, particularly in the 1990s and early 2000s, changing the setting of the 1959 residence. The replacement of its original windows, addition of ancillary buildings, addition of a pool, and replacement of the garage door and fence impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. Property C retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property C: 12624 Oak Knoll Road (APN: 317-500-11-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property C was related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property C does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property C was identified with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or the United States. The earliest ownership information identified that Mr. and Mrs. Everett P. McMahan owned the property in 1963. The next known owners of the property were Edward K. Harmon and Joyce Juanita Harmon. The property has been owned by the Harmon family since 1966. Edward K. Harmon was born in Arkansas in 1928. Joyce Juanita Harmon was born in Arkansas in 1931. The couple moved to Poway in 1966 and appear to have resided at 12624 Oak Knoll Road for several decades. Edward Harmon served in the US Navy, reaching the rank of Commander before retiring in 1978. Joyce and Edward Harmon worked in real estate and were active members of many local clubs and organizations. Joyce passed away in 2000 and Edward died in 2015. Despite the Harmons' role as prominent and active members of their community, research did not reveal information that would indicate Edward and Joyce Harmon are individuals considered significant in our past. Therefore, Property C does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, the building identified on Property C does not exemplify a fine example of the Minimal Ranch style in the City of Poway. No original building permit was found and there is no indication the residence is the work of an architect of major importance. Therefore, Property C does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property C was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property C does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property C does not appear to exhibit an extraordinary class of architectural design, detail, materials or craftsmanship. It is a typical example of a ubiquitous Minimal Ranch House design. Therefore, Property C does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property C does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property C does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property C is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark has made a major contribution to the community. Therefore, Property C does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property C does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property C does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

Property C (12624 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As such, the property is not considered a CEQA historical resource.

5.4 Property D: 12623 Oak Knoll Rd

Property D: 12623 Oak Knoll Road (APN: 317-501-02-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district, as demonstrated below.

12623 Oak Knoll Road does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. The building was previously identified as Poway Historic Site 112 (Smith 1992: 6). In this identification, the

property is described as a house of lath and board construction from the 1920s. The building currently on the property is a wood, board-and-batten house, which indicates the building has been substantially altered since its identification on the Poway Historic Sites list.

The San Diego County Assessor recorded the year of construction as 1946, but a building appears on the earliest available historic aerial photographs of the property from 1939. It is not known if the building present in 1939 is the building currently present on the property. It is possible that the property fulfills the minimum requirements of a City of Poway Category D building, which includes properties built prior to 1940 that are clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history. Therefore, Property D is of historic age, but does not appear to have significance as a historical resource. The building does not appear eligible for listing as a historical resource. The recommended status code is 6Z: Found ineligible for NRHP, CRHR or Local designation through survey evaluation.

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are association with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property D did not find any associations with events that made a significant contribution to the broad patterns of history. The property is a nondescript wood frame building. There is no indication the property is associated with significant events in the City's early agricultural development, though it appears to have been constructed in the first half of the twentieth century when the area was primarily agricultural. There is no indication the property has an important association with an event or historic trends in Poway, such as post-World War II residential development. Therefore, Property D does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not identify any of the previous property owners and there is no indication the property has any direct association with individuals that are known to be historic figures at the national, state, or local level. Due to a lack of identified significant associations with important persons in history, Property D does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property D does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a single-family residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of any particular style, and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the property could not be found. There is no known architect or firm associated with the design or development of Property D. There is no indication that the property is a distinguished example of work

that was designed by an architect or firm recognized as unique in the field of house design or single-family residential development. Property D does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property D does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, Property D is not significant under Criterion C/3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo 2022.

Integrity Discussion

Property D contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been altered since the 1946 residence was constructed with continued development in the area, particularly in the 1990s and early 2000s , so it does not retain integrity of setting. The replacement of its original windows, addition of an ancillary building, and addition of a security door to the front entry door impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with people or events in the City of Poway, thus it does not retain integrity of association. Property D retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property D: 12623 Oak Knoll Road (APN: 317-501-02-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property D was related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property D does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property D was identified with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, Property D does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, the building identified on Property D does not exemplify a fine example of an architectural style in the City of Poway. No original building permit was found and the architect who designed the residence is unknown. There is no indication the property is the work of an architect of major importance. Therefore, Property D does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property D was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property D does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property D does not appear to exhibit an extraordinary class of architectural design, detail, materials or craftsmanship. It is not an example of an architectural style. Therefore, Property B does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property D does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property D does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property D is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark not a natural feature that has made a major contribution to the community. Therefore, Property B does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property D does not exhibit elements of historic preservation that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property B does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

Property D (12623 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As such, the property is not considered a CEQA historical resource.

6 CEQA Impacts Analysis

6.1 Built Environment

Table 9. Built Environment Historical Resources in Project Area

Property	Address	APN	Year Built	NRHP/ CRHR/ City of Poway Significance Criteria	City of Poway Category	CHRS Status Code
A	12702 Oak Knoll Road	317-500-14-00	c. 1933-1940s	Not Eligible	C	6Z
B	12650 Oak Knoll Road	317-500-13-00	1957	Not Eligible	Not Applicable	6Z
C	12624 Oak Knoll Road	APN 317-500-11-00	1959	Not Eligible	Not Applicable	6Z
D	12623 Oak Knoll Road	317-501-02-00	1946	Not Eligible	D	6Z

6.1.1 Historic-Age Properties Not CEQA Historical Resources

Property B: 12650 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Property B further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1957 (after 1940), it does not meet the minimum requirements for a category of historical resource within the City of Poway. Therefore, 12650 Oak Knoll Road is not a CEQA historical resource.

Property C: 12624 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Property C further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. Therefore, 12624 Oak Knoll Road is not a CEQA historical resource.

Property D: 12623 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. The property appears to meet the minimum requirements of a City of Poway Category D building, which includes properties built prior to 1940 that are clearly

not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history. Property D is of historic age, but does not appear to have significance as a historical resource. Therefore, 12624 Oak Knoll Road is not a CEQA historical resource.

Properties and sites that are not considered historical resources under CEQA do not merit further consideration of potential impacts.

6.1.2 CEQA Historical Resources

Property A (12702 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As a previously identified Poway Historic Site, the property appears to meet the requirements to be eligible as a City of Poway Category C building that possesses one the following characteristics:

1. It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;
2. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

The CEQA Guidelines provide that a project that demolishes or alters those physical characteristics of an historical resource that conveys its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance. Such impacts are called substantial adverse changes. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired (PRC § 5020.1(q)). Demolition and destruction are examples of the most visible significant impacts; however, changes, alterations and relocation of historical resources may also be considered substantial adverse change.

6.2 Physical Impacts of the Proposed Project

The Harmon House is located within the Project site and is potentially subject to:

1. Direct impacts to the historic setting as a result of changes to the original, undeveloped setting of area north of the Harmon House
2. Direct impacts to the structural stability of the Harmon House as a result of vibration from the blasting, grading, fill, and construction activities planned to the north and east of the Harmon House.

Should the project be implemented, the changes to the undeveloped setting, may result in a substantial adverse change to the Harmon House's setting. As a Category C building, the Harmon House has diminished integrity that has compromised its historic, cultural, or architectural significance. Construction to the east of the property diminished its integrity of setting. The project would further diminish the integrity of setting by developing vacant land to the north and west of the property. This land was not fully visible from the property due to a line of trees along the rear, northern boundary of the Harmon House's immediate vicinity.

The second potential impact of the proposed project are impacts from construction-related vibration. While excavation and grading will fall outside the immediate vicinity of the Harmon House and should not have any physical impact on stones that characterize the house as an example of a Rock Houses or Big Stone style, it is possible that the construction activities may result in vibration-related impacts to unreinforced structural systems of the Harmon House.

6.3 Analysis of Potential Adverse Changes

The proposed project activities were analyzed in consideration of the substantial adverse change examples provided in CEQA Guidelines Section 15064.5(b). Below is a discussion of the adverse changes that may result from the proposed project on the Harmon House, a Poway Historic Sites listed property and City of Poway Category C building.

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

No adverse change. The Harmon House is not eligible for include on the California Register. Property A: 12702 Oak Knoll Road (APN: 317-500-14-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. The property is a City of Poway Category C building that possesses one the following characteristics:

1. It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;
2. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Commonplace design and alterations that have compromised its historic, cultural, or architectural significance do not justify its inclusion in, or eligibility for, inclusion in the California Register.

2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant;

Potential adverse change. The Harmon House was included in the Poway Historic Sites list as an example of a Rock Houses style or Big Stone style. Potential vibration impacts to the stone cladding resulting in a loss of materials comprising the cladding of the Harmon House have the potential to cause an adverse change to the Harmon House by diminishing a physical characteristic that account for its inclusion in a local register. The project has the potential to materially alter the structure of the rock house through construction-related vibration impacts. Such changes would result in an adverse change to the physical characteristics of the historical resource, namely the materials, design, and workmanship of the Harmon House, that convey its diminished historical significance as a good

example of a commonplace period of architecture design or construction in the City of Poway and as an important resource with substantial alterations that have severely compromised its historic, cultural, or architectural significance. Therefore, the proposed project has the potential to cause a significant adverse change to Harmon House due to the potential change to the stone cladding material that conveys its historic significance.

The integrity of setting for the Harmon House has been diminished due to the changes caused by adjacent single-family home construction to the east, south, and west of the property; however, the relatively unaltered vacant area to the north was a visual component of the resource's integrity of setting since its construction c. 1933-1940. Due to the current diminished setting, maintaining or losing integrity of setting will not have an impact on the Harmon House's diminished ability to convey its historical significance.

3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

No adverse change. The City of Poway is the lead agency for the purposes of CEQA. The Harmon House has not been identified as eligible for inclusion on the California Register by the City of Poway.

6.4 Mitigation Measures

California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for historical resources.

Vibration-Related Impacts Mitigation

Potential construction-related vibration impacts may be reduced to a less than significant level with the following mitigation incorporated. Dudek proposes the following mitigation measure to reduce project impacts from vibration to a less than significant level.

MM CUL-1 The project proponent shall inform construction personnel of the location and significance of Harmon House, and of the avoidance and protective measures that shall be implemented when working near the Harmon House. The Harmon House shall be avoided and protected during all phases of construction of the proposed project.

Prior to the start of work, a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), shall be retained to develop a plan of action for avoidance and protection of the Harmon House, in coordination with the City of Poway, and the project proponent. The plan shall include at a minimum:

(1) Procedure to review all construction plans to ensure there is a notation of the Harmon House's location on all construction plans;

(2) Initial testing for potential vibration impacts. Should any potential vibration impacts to stone cladding materials be identified as part of the initial testing, construction

methods and equipment uses will be reassessed to ensure that no element of the house is damaged due to construction related ground-borne vibration activities;

(3) Details and timeline to conduct a preconstruction survey to document the existing condition of the Harmon House prior to the start of any ground disturbing work adjacent to the house;

(4) Procedures and timing for the placement and removal of a protective barrier(s) for the Harmon House property;

(5) A detailed plan for monitoring of the installation and removal of protective barriers, as well as notification procedures and monitoring for all project-related work within 20 feet of the Harmon House, by the Qualified Architectural Historian, or his or her designee;

(6) Details and timeline to conduct a post-construction survey to document the condition of the Harmon House after completion of work described in the project description

The plan shall include details and a deadline for the preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the Harmon House and compliance with protective measures. The plan shall comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties (Standards) and shall be memorialized in a technical memorandum, which shall be submitted to the City of Poway for review and approval. The final approved plan shall be submitted to the City of Poway no later than 30 days prior to the start of work. The plan shall be provided to the construction foreman at a project kick-off meeting. The technical memorandum documenting the pre-construction and post-construction conditions shall be submitted to the City of Poway within 30 days of completion of work within 20 feet of the Harmon House and removal of the protective barriers.

View and Vista Impact Mitigation

Potential view and vista impacts and changes to setting may be reduced to a less than significant level with the following mitigation incorporated. Dudek proposes the following mitigation measure to reduce impacts to setting to a less than significant level.

MM CUL-2 In consultation with a qualified architectural historian, meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history (U.S. Department of the Interior, 2008) (Qualified Architectural Historian), the project proponent will develop and implement a landscape plan for the northern boundary of the Harmon House property. This landscape plan shall include trees that will create a visual screen between the Harmon House and the new development proposed to the north of the property. The implementation of this plan shall be documented in the technical memorandum documenting the pre-construction and post-construction conditions described in MM CUL-1.

6.5 Conclusions

The mitigation measures would ensure the proper treatment of any built environment historical resources. With the proper implementation of the prescribed measures, the potential impact to historical resources is considered to be less then significant. Therefore, impacts to historical resources would be **less than significant with mitigation**.

7 FINDINGS AND CONCLUSIONS

7.1 Findings

The Built Environment Study Area contains four historic age properties, three within the Project site and one historic age property immediately adjacent to the Project site. None of the properties have been previously found eligible for the NRHP and CRHR. Property A (12702 Oak Knoll Road) and Property D (12623 Oak Knoll Road) were previously identified on the Poway Historical Sites list as historic age buildings (Smith 1992). According to the introduction that accompanies the Poway Historical Sites list, additional research, survey, and thorough evaluation of historic age buildings on this list should be completed to determine if these properties are eligible for designation. Dudek prepared evaluations in consideration of NRHP, CRHR, and City of Poway criteria for all four historic age properties in the study area. All four properties were also assessed for integrity.

Property A: 12702 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Property A was previously found to meet the minimum criteria as a City of Poway Category C building. As a Category C building, Property A is:

- A good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;
- An important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

Property A is a City of Poway Category C building that does not meet the criteria for listing as a landmark, which require a property to be Category A or B. However, following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

Property B: 12650 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Property B further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1957 (after 1940), it does not meet the minimum requirements for a category of historical resource within the City of Poway. Therefore, 12650 Oak Knoll Road is not a CEQA historical resource.

Property C: 12624 Oak Knoll Road does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a eligible or designated historic district. Property C further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. Therefore, 12624 Oak Knoll Road is not a CEQA historical resource.

Property D: 12623 Oak Knoll Road was not classified as a category A, B, C, or D previously as part of its inclusion on the Poway Historical Sites list. Research could not verify the year of construction for the property, but it appears likely that it was constructed prior to 1940. Therefore, Property D fulfills the minimum requirements of a Category D building, which includes properties built prior to 1940 that are clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history. Therefore,

Property D is of historic age, but does not appear to have significance as a historical resource. The building does not appear eligible for listing as a historical resource. Therefore, 12623 Oak Knoll Road is not a CEQA historical resource.

As a result of the current evaluation, Dudek found all four properties in the built environment study area ineligible for listing under NRHP, CRHR, and City of Poway designation criteria. The recommended status codes and categories are summarized in Table 9 below.

Table 10. Summary of Historic Built Environment Findings

Property	Address	APN	Year Built	NRHP/ CRHR/ City of Poway Significance Criteria	City of Poway Category	CHRS Status Code	CEQA Finding
A	12702 Oak Knoll Road	317-500-14-00	c. 1933-1940s	Not Eligible	C	6Z	Historical resource for the purposes of CEQA – less than significant impact with mitigation
B	12650 Oak Knoll Road	317-500-13-00	1957	Not Eligible	Not Applicable	6Z	Not considered a historical resource for the purposes of CEQA – no impact
C	12624 Oak Knoll Road	APN 317-500-11-00	1959	Not Eligible	Not Applicable	6Z	Not considered a historical resource for the purposes of CEQA - no impact
D	12623 Oak Knoll Road	317-501-02-00	1946	Not Eligible	D	6Z	Not considered a historical resource for the purposes of CEQA – no impact

7.2 Conclusions

No historical resources were identified within or adjacent to the Project site as a result of the BERD search, extensive archival research, an SCIC records search, field survey, and property evaluations of significance. Dudek evaluated four historic age properties in accordance with Section 15064.5 (a)(2)-(3) of California Environmental Quality Act (CEQA) Guidelines and using the criteria outlined in Section 5024.1 of the California Public Resources Code. Dudek concludes that none of the four properties appears to be eligible for listing in the NRHP, CRHR, or as a City of Poway landmark due to a lack of significance. However, following consultation with the City of Poway and Brian Smith, as a Category C building, the Harmon House is CEQA historical resource.

No other buildings on or immediately adjacent to the Project site appear to be historical resources under CEQA. Further, no potential indirect impacts to historical resources were identified as the proposed Project has no potential to impact the built environment beyond the three properties evaluated within this study.

Analysis of project-related impacts found that vibration-related impacts and view and vista impacts to the Harmon House could be mitigated to a less-than-significant level with mitigation incorporated. Therefore, the finding for the project related to built environment historical resources is that a **less-than-significant level with mitigation incorporated**.

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Appendix A
DPR forms

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings_____
Review Code Reviewer Date

Page 1 **of** 14 ***Resource Name or #:** (Assigned by recorder) 12702 Oak Knoll Road
P1. Other Identifier: Harmon House, Property A

*P2. **Location:** ☐ **Not for Publication** ■ **Unrestricted**
*a. **County** San Diego **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
* b. **USGS 7.5' Quad** San Diego **Date** 2021 **T** 14S; **R** 2W; SW1/4 **of** SE1/4 **of Sec** 14; San Bernardino **B.M.**
c. Address 12702 Oak Knoll Road City Poway Zip 92064
d. UTM: (Give more than one for large and/or linear resources) Zone 11N, 494744 mE/ 3645876 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN 317-500-14-00

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

12702 Oak Knoll Road is a one-story, single-family rock house constructed circa 1933-1940 (Smith 1991: 16). The residence has an L-shaped plan, with the original rectangular rock-clad portion to the south (facing Oak Knoll Road) and a 1974 single-story wood frame rectangular addition clad in wood shake shingles extending to the north. According to a 1990 structural report on the property, the original rock portion of the property is of wood frame construction with a concrete base; this report indicates that the rocks on the original portion of the house do not appear to be structural (Smith 1991: 14). [See Continuation Sheet]

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property

***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession #) View of the primary (south) elevation and east elevation, view to the northwest, 05/04/2022 (DSC01712)

***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both
Circa 1933-1940 (Assessor; Smith 1991)

***P7. Owner and Address:**
Harmon Family Trust
2806 Fauborough Ct.
Fort Collins, CO 80525

***P8. Recorded by:** (Name, affiliation, and address)
Nicole Frank, MSHP
Dudek, 38 N Marengo Avenue,
Pasadena, CA 91101

***P9. Date Recorded:** 05/04/22

***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Historic Resources Technical Report: Harmon Ranch, Poway, California. Prepared July 2022.

***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary # _____
HRI# _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 12702 Oak Knoll Road ***NRHP Status Code** 6Z

B1. Historic Name: 12702 Oak Knoll Road

B2. Common Name: Harmon House, 12702 Oak Knoll Road

B3. Original Use: Single family residence B4. Present Use: Single family residence

***B5. Architectural Style:** Vernacular, rock house

***B6. Construction History:** (Construction date, alterations, and date of alterations)

See **Continuation Sheet** for an alterations list based on archival research and on-site observation.

***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

N/A

B9a. Architect: N/A b. Builder: Joe and John Markwalder (unconfirmed; original owners)

***B10. Significance: Theme** Rock Houses or Big Stone style (1890 - 1940) **Area** N/A
Period of Significance Ca. 1933-1940 **Property Type** Single-family residence **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Property A: 12702 Oak Knoll Road (APN: 317-500-14-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district, as demonstrated below.

Subchapter 17.45.050 of the City of Poway Municipal Code states that for a historic/cultural resource to be designated as a Poway historic landmark, it must meet the requirements of a Category A or B historic/cultural resource. In addition, the Development Services Department shall find that the historic/cultural resource meets one of the eight criteria for local landmark designation. 12702 Oak Knoll Road does not meet the requirements of a Category A or B historic/cultural resource and further does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. Therefore, Property A is not eligible for listing as a local landmark and should not be considered a historical resource for the purposes of CEQA. Although Property A is not eligible as a landmark, it appears to fulfill the minimum requirements of a Category C building as a good example of a period of architecture design or construction with a commonplace design and appears to be an important resource with substantial alterations that have severely compromised its historic, cultural, or architectural significance. [See **Continuation Sheet**]

B11. Additional Resource Attributes: (List attributes and codes) _____

***B12. References:**

See **Continuation Sheet** for full list of references.

B13. Remarks:

***B14. Evaluator**: Claire Cancilla, MSHP and Allison Lyons, MSHP
***Date of Evaluation:** 7/22/2022

(Sketch Map with north arrow required.)

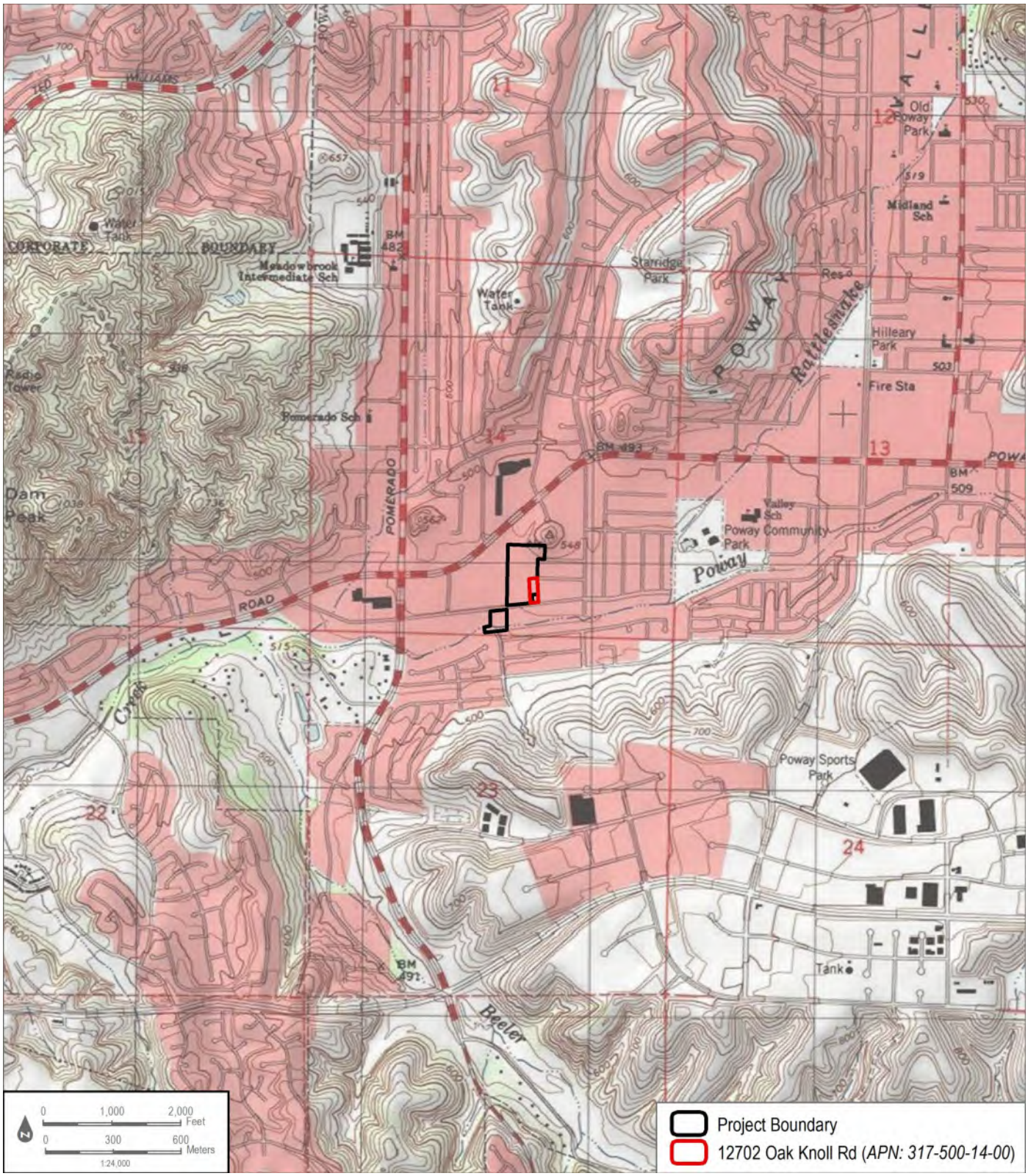
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

***Map Name:** Poway, CA
***Resource Name or #** (Assigned by recorder) 12702 Oak Knoll
***Scale:** 1:24,000 ***Date of map:** 2022



***P3a. Description**:
The rocks are larger at the base of the wall, becoming smaller as the wall ascends. The property has a low-pitched cross-gabled roof clad in non-original composite shingles with slight overhanging wood eaves. Gable ends on multiple elevations of the original rock portion of the house are clad in stucco, separating the rock from the roof. There is a large stone chimney at the southeast corner of the residence.

12703 Oak Knoll's primary (south) elevation, facing Oak Knoll Road, has a single-leaf wood door with four raised panels flanked by identical replacement slider windows and covered by a projecting gabled overhang. Additional fenestration on the original rock portion of the house was largely obscured from view at the time of the intensive survey but appears to consist of a small rectangular wood frame single pane window and a four-light wood frame window on its east side elevation and a replacement slider window on its west side elevation. Fenestration on the 1974 addition is comprised of wood frame single-pane or slider windows and a partially glazed wood door. There is a concrete patio and non-original single-story ancillary shed clad in wood siding located several feet northwest of the house.

***B6. Construction History** *(continued from page 2):*
The following list of known alterations to 12702 Oak Knoll Road was compiled through archival research, during the intensive survey, and from the previous 1991 report on the property by Brian S. Smith & Associates. Unless indicated, the date of these alterations is unknown:

- A 1974 single-story rectangular addition clad in wood shingles on the property's north elevation. The 1991 report notes that the date of the addition was inscribed in the concrete foundation outside the addition (1974; Smith 1991: 18).
- Replacement of wood roof shingles with composite shingles (observed, unknown date; Smith 1991: 15).
- Addition of an ancillary shed to the northwest of the residence (observed, the shed was present by 1991; Smith 1991: 17).
- Replacement of windows on the primary (south) and west side elevations (observed, no date)
- Likely replacement of main entrance door on primary (south) elevation (observed, no date)

***B10. Significance** *(continued from page 2):*

Historic Context
Post-Contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1846), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period when California became a territory of the United States.

Spanish Period (1769–1821)

The Spanish colonization of Alta California began in 1769 with the founding of Mission San Diego de Alcalá by Father Junípero Serra. Concerns over Russian and English interests in California motivated the Spanish government to send an

expedition of soldiers, settlers, and missionaries to occupy and secure the northwestern borderlands of New Spain through the establishment of a Presidio, Mission, and Pueblo. The Spanish explorers first camped on the shore of the Bay in the area that is now downtown San Diego. Lack of water at this location, however, led to moving the camp on May 14, 1769, to a small hill closer to the San Diego River and near the Kumeyaay village of Cosoy. Father Junípero Serra arrived in July of the same year to find the Presidio serving mostly as a hospital. The Spanish built a primitive mission and presidio structure on the hill near the river.

Bad feelings soon developed between the native Kumeyaay and the soldiers, resulting in the construction of a stockade that, by 1772, included barracks for the soldiers; a storehouse for supplies; a house for the missionaries; and a chapel, which had been improved. The log and brush huts were gradually replaced with buildings made of adobe bricks. Flat earthen roofs were eventually replaced by pitched roofs with rounded roof tiles. Clay floors were eventually lined with fired brick.

In August 1774, the Spanish missionaries moved the Mission San Diego de Alcalá to its present location 6 miles up the San Diego River valley (modern Mission Valley) near the Kumeyaay village of Nipaguay. Begun as a thatched chapel and compound built of willow poles, logs, and tules, the new mission was sacked and burned in the Kumeyaay uprising of November 5, 1775. The first adobe chapel was completed in October 1776, and the present church was begun the following year. A succession of building programs through 1813 resulted in the final plan that included the church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. Orchards, reservoirs, and other agricultural installations were built to the south on the lower San Diego River alluvial terrace and were irrigated by a dam and aqueduct system. The initial Spanish occupation and mission system brought about profound changes in the lives of the Kumeyaay people. Substantial numbers of the coastal Kumeyaay were forcibly brought into the mission or died from introduced diseases.

As early as 1791, presidio commandants in California were given the authority to grant small house lots and garden plots to soldiers and their families, and sometime after 1800, soldiers and their families began to move down the hill near the San Diego River. Historian William Smythe noted that Don Blas Aguilar, who was born in 1811, remembered at least 15 such grants below Presidio Hill by 1821, of which only five were within the boundaries of what would become Old Town had houses in 1821. These were the retired commandant Francisco Ruiz's adobe (now known as the Carrillo Adobe), another building later owned by Henry Fitch on Calhoun Street, the Ybanes and Serrano houses on Juan Street near Washington Street, and a small adobe house on the main plaza owned by Juan Jose Maria Marron.

Mexican Period (1821–1846)

In 1822, the political situation changed as Mexico won its independence from Spain, and San Diego became part of the Mexican Republic. The Mexican government opened California to foreign trade, began issuing private land grants in the early 1820s, created the rancho system of large agricultural estates, secularized the Spanish missions in 1833, and oversaw the rise of the civilian pueblo. By 1827, as many as 30 homes existed around the central plaza, and in 1835, Mexico granted San Diego official pueblo (town) status. At this time, the town had a population of nearly 500 residents, later reaching a peak of roughly 600. By 1835 the presidio, once the center of life in Spanish San Diego, had been abandoned and lay in ruins. Mission San Diego de Alcalá fared little better. The town and the ship landing area at La Playa were now the centers of activity in Mexican San Diego. However, the new Pueblo of San Diego did not prosper, as some other California towns did during the Mexican Period.

Secularization in what is now San Diego County triggered increased Native American hostilities against the Californios

during the late 1830s. The attacks on outlying ranchos, along with unstable political and economic factors, lead to San Diego's population decline to approximately 150 permanent residents by 1840. San Diego's official Pueblo status was removed by 1838, and it was made a subprefecture of the Los Angeles Pueblo. When the Americans took over after 1846, the situation had stabilized somewhat, and the population had increased to roughly 350 non-Native American residents. The Native American population continued to decline, as Mexican occupation brought about continued displacement and acculturation of Native American populations.

American Period (1846–Present)

The American Period began in 1846 when United States military forces occupied San Diego; this period continues today. When United States military forces occupied San Diego in July 1846, the town's residents split on their course of action. Many of the town's leaders sided with the Americans, but other prominent families opposed the United States' invasion. In December 1846, a group of Californios under Andres Pico engaged United States Army forces under General Stephen Kearney at the Battle of San Pasqual and inflicted many casualties. However, the Californio resistance was defeated in two small battles near Los Angeles, and effectively ended the resistance by January 1847. The Americans assumed formal control with the Treaty of Guadalupe-Hidalgo in 1848, and introduced Anglo culture and society, American political institutions, and American commerce. In 1850, the Americanization of San Diego began to develop rapidly.

On February 18, 1850, the California State Legislature formally organized San Diego County. The first elections were held at San Diego and La Playa on April 1, 1850, for county officers. San Diego grew slowly during the next decade. San Diegans attempted to develop the town's interests through a transcontinental railroad plan and development of a new town closer to the Bay. The failure of these plans, added to a severe drought that crippled ranching and the onset of the Civil War, left San Diego as a remote frontier town. These issues led to a drop in the town's population from 650 in 1850 to 539 in 1860. Not until land speculator and developer Alonzo Horton arrived in 1867 did San Diego begin to develop fully into an active American town.

Alonzo Horton's development of a New San Diego (modern downtown) in 1867 began to swing the community's focus away from Old Town and began the urbanization of San Diego. Expansion of trade brought an increase in the availability of building materials. Wood buildings gradually replaced adobe structures. Some of the earliest buildings to be erected in the American Period were "pre-fab" houses that were built on the east coast of the United States and shipped in sections around Cape Horn and reassembled in San Diego. Development spread from downtown due to a variety of factors, including the availability of potable water and transportation corridors. Factors such as views and access to public facilities affected land values, which in turn affected the character of neighborhoods that developed. During the Victorian Era of the late 1800s and early 1900s, the areas of Golden Hill, Uptown, Banker's Hill, and Sherman Heights were developed. Examples of the Victorian Era architectural styles remain in these communities, and in Little Italy, which developed at the same time. At the time downtown was being built, there began to be summer cottage/retreat development in what are now the beach communities and La Jolla area. The early structures in these areas were not of substantial construction since they were primarily built for temporary vacation housing.

Development also spread to the greater North Park and Mission Hills areas during the early 1900s. The neighborhoods were built as small lots, a single lot at a time; there was no large tract housing development in these neighborhoods. This provided affordable housing away from the downtown area, and development expanded as transportation improved. Barrio Logan began as a residential area, but because of proximity to rail freight and shipping freight docks, the area became more mixed, with conversion to industrial uses. This area was more suitable to industrial uses because land values were not

as high. Topographically, the area is more level, and it does not have views like the areas north of downtown. Various ethnic groups settled in the area because of the affordability of land ownership.

San Ysidro began to be developed around the turn of the twentieth century. The early settlers were followers of the Littlelanders colonies movement. There, the pattern of development was designed to accommodate small plots of land for each homeowner to farm as part of a farming/residential cooperative community. Nearby Otay Mesa-Nestor began to be developed by farmers of Germanic and Swiss backgrounds. Some of the prime citrus groves in California were in the Otay Mesa-Nestor area. In addition, there were grape growers of Italian heritage who settled in the Otay River Valley and tributary canyons who produced wine for commercial purposes.

San Diego State University was established in the 1920s, and the development of the State College area began, including development of the Navajo community as an outgrowth from the college area and from the west. There was farming and ranching in Mission Valley until the middle portion of the twentieth century when the uses were converted to commercial and residential. There were dairy farms and chicken ranches adjacent to the San Diego River where now there are motels, restaurants, office complexes, and regional shopping malls. There was little development north of the San Diego River until Linda Vista was developed as military housing in the 1940s, when the federal government improved public facilities and extended water and sewer pipelines to the area. From Linda Vista, development spread north of Mission Valley to the Clairemont Mesa and Kearny Mesa areas. Development in these communities was mixed-use and residential on moderate-sized lots.

Tierrasanta, previously owned by the U.S. Navy, was developed in the 1970s. It was one of the first planned developments in the area with segregation of uses. Tierrasanta and many of the communities that have developed since, such as Rancho Penasquitos and Rancho Bernardo, represent the typical development pattern in San Diego in the last 25 to 30 years: uses are well segregated, with commercial uses located along the main thoroughfares and residential uses located beyond that. Industrial uses are located in planned industrial parks.

Historical Overview of the City of Poway

Poway was first recorded in 1828 as the valley of “Paguay” in documents from the Mission San Diego de Alcala. The valley owes its name to the tribes of San Diegueno Native Americans who inhabited the valley before the arrival of the Spanish in 1769. The native name of Paguay appeared on maps, such as the Rand McNally Atlases, as late as 1869. During Spanish rule, the valley was used for pasturing mission livestock, and its inhabitants were the Spanish Padres, Mission Indians, and nomadic bands of Native Americans (Poway Historical Book Committee 1981).

The first American settler believed to have established a homestead in Poway was Philip Crosthwaite, who built an adobe house and started a ranch in 1859. However, soon after, Crosthwaite sold his ranch to the Kerran Brothers and a woman known only Mrs. Anderson, who continued to maintain the ranch until 1874. Farmers had begun to settle within the valley and in 1874, the California State Legislature passed the “no-fence” law that required ranchers to keep cattle off farmers’ property, even if the property is not bound by a fence. The Kerran ranch and others in the area were unable to comply with these rules and cattle disappeared from the landscape. Thus, the economy of the valley shifted to agriculture (Poway Historical Book Committee 1981; Granberry 1985).

By 1887, the population increased to 800 people, and the valley had a prosperous farming and dairying industry. The community had established a church, stores, school, and hotel, and there was the possibility two railroads would be built in the valley. This brought an increase in residents. The real-estate firm of Baird and Chapin was drawn to the prospects of the area. The firm planned residential communities around small parks in a subdivision plan called Piermont. However, the

railroad never materialized, settlers began to leave the valley, and the subdivision was never completed (Poway Historical Book Committee 1981).

Throughout the early 1900s, inhabitants faced drought and transportation difficulties, but Poway still thrived as a farming community. The valley was known for its peaches, vineyards, grain, and alfalfa. Transportation was limited to wagons and stagecoaches, so seeds were carried by wagon from San Diego using the old Pomerado Grade. The Poway Post Office was established in 1901 and received mail twice a day from two four-horse stagecoaches, one that traveled from Escondido every morning, and another from San Diego (Poway Historical Book Committee 1981; Stuart 1966).

Poway experienced periods of droughts that led to the decline of agriculture in the early 1900s. Although there was a local creek that supplied water fit for agriculture, the lack of easily available drinking water prevented the growth of the town until water districts formed after World War II. By 1954, the Poway Municipal Water District was created to utilize water from the Colorado River Aqueduct, and by 1957, the sewer system was completed and developers began building housing tracts. In 1971, the dam that created Lake Poway was constructed, and it became a stable source of water for the residents. At this time, Poway's economy was no longer supported by agriculture, and it instead became a residential community for people who worked throughout the San Diego Area (Poway City History).

In the 1970s, members of the community decided that Poway should become its own city. They wanted their own City Council so town decisions could be made by locals. A measure to incorporate Poway was put on a ballot in 1976, but voters were concerned that Poway would not have enough financial stability on its own, so they rejected the measure. By 1980, it was determined that Poway would be able to afford the cost of cityhood, and another election was held in November of that year. Over half the voters voted in favor of Poway becoming a city, and on December 1, 1980, it officially became the City of Poway under the motto, "The City in the Country." By 1981, Poway had its own City Council, City Hall, and Civic Center (Gorman 1985; Greeley 1981).

During the 2000s, the population of Poway steadily increased, reaching a peak in 2015 with about 50,000 citizens. Today, the population is comprised of 48,564 citizens, and Poway still maintains its rural identity as a small country city. Although the farming industry never returned, it is still a popular location for residents who work in San Diego (US Census Bureau 2022).

Rock Houses or Big Stone style (1890 - 1940)

Rock houses, either constructed of or clad in rocks, are present throughout California. The type of rock utilized for these homes is dependent on local geographic context, with the typology typically concentrated in areas with abundant accessible natural rocks, stones, and boulders. These residences are most obviously characterized by their simple, usually rectilinear forms with visible rocks on all elevations; rock houses frequently have few other decorative details. While it was common for rock houses to be built without the assistance of a formally trained architect, some of these residences were nonetheless constructed by skilled stonemasons or other tradespeople. Still other examples, like the rock houses of Poway, are more vernacular and utilitarian, often being built by their original owner out of readily available material. While rock houses can take on a variety of styles and forms depending on location, they are often both influenced by and representative of the Arts and Crafts movement, which emphasized the use of natural materials and harmony with nature. Some of these residences can take on elements of the Mission Revival style. Rock houses were constructed in California in beginning in the second half of the nineteenth century, with areas like Poway continuing to construct these homes until circa 1940. (Grimes 2016: 40; McAlester 2013; Smith 1991; Smith 1992; Emerson 2016).

There are numerous rock houses in Poway, largely due to the accessibility of rocks from area's many streams and hills.

Rock houses in Poway are generally referred to as being built in the Big Stone style. Frequently, Big Stone buildings were constructed using boulders and large rocks as their structural systems, but some buildings described as Big Stone in style, like the Harmon House on the Project Site, are simply clad in rock and stone. The 1992 Poway Historical Resources Inventory List includes approximately 21 buildings explicitly identified as Big Stone, including the Harmon House. In Poway, a notable concentration of Big Stone buildings is the Big Stone Lodge complex, a 1.7-acre former resort along Old Pomerado Road that was initially planned in 1920s, but abandoned during the Great Depression. Additional concentrations of Big Stone buildings are located in the Big Stone and Beeler Canyon areas of Poway, along Old Pomerado Road, and along Metate Lane. (Smith 2005; 1991; Smith 1992; SOHO 2018).

Character-defining features include:

- Built of stone or clad in stone (usually locally sourced)
- 1-2 stories in height
- Simple, usually rectilinear footprints
- Minimal decorative ornamentation
- Hipped or gabled roofs with overhanging eaves
- Small, recessed window openings

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property A did not find any associations with events that made a significant contribution to the broad patterns of history. Although the date of construction for Property A could not be definitively confirmed, it appears to have been constructed circa 1940. The property's original owners, Joe and John Markwalder, were farmers who likely constructed the property themselves. Poway was a primarily agrarian area beginning circa 1859. While Property A appears to have been constructed by farmers during this agricultural period and prior to the real estate boom in the 1950s that contributed to the area's increased residential suburbanization following the establishment of a water district, there is no indication that the construction of this specific residence marked a pivotal movement in the history of the neighborhood or city. Rather, it appears to have been constructed as a continuation of the agricultural, ranching, and residential functions in Poway that existed for decades. Property A was neither the first nor the last rock house to be constructed in Poway. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway, California, or the United States; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national or state, level. The earliest ownership information available identified John and Joe Markwalder, farmers who immigrated to the United States from Switzerland around 1919, as the original owners of Property A. While research did not identify substantive information on subsequent owners, it appears that the house was later owned by a Mrs. Caine, who passed ownership to her niece, Mrs. Cook. The

dates of occupancy for these individuals are unknown. The most recent identified occupants, from 1974, were Mr. and Mrs. Richard Miller. The property is owned by the Harmon family, and known as the Harmon House. However, research did not indicate the house was historically the residence of anyone with the name Harmon. Research did not identify information on the lives of each of the property owners or residents that would indicate they are individuals considered significant. Due to a lack of identified significant associations with important persons in history, Property A does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property A is a vernacular rock house constructed circa 1933-1940 with a 1974 addition at its rear north elevation. The property still visually reads as a rock house when viewed from the public-right-of way on Oak Knoll Drive, retaining its character-defining rock exterior cladding on its south, east, and west elevations. The 1974 addition on its north elevation, however, has affected the property's integrity, as elaborated upon in the "Integrity Discussion" below. As a result of this addition and smaller alterations such as window replacements on the south and west elevations, Property A's ability to convey the distinctive characteristics of its type or period has been diminished as it no longer appears to be a rock house from all elevations. In contrast to some rock houses in Poway, which use large boulders as their structural system, Property A is of wood frame construction clad in stone and rocks and does not appear to be distinctive or represent an innovative or noteworthy method of construction for rock houses.

Although an original building permit was not located, there is no indication that a master architect or firm designed the property. The residence may have been built by its original owners, John and Joe Markwalder, who were farmers. The property further does not appear to possess high artistic values by articulating a particular concept of design to the extent that it expresses an aesthetic ideal. Other than its rock cladding, the residence does not have notable design elements and it does not appear to be a unique example of its type in Poway.

The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property A does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties of the same construction period or type in the area. Therefore, Property A does not appear eligible NRHP Criterion C or CRHP Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the Cultural Resource Inventory Report for the Oak Knoll Property Project prepared by DeCarlo in 2022.

Integrity Discussion

Property A has not been moved and retains integrity of location. The earliest identified aerial photograph of the property shows that there was agricultural development directly surrounding the property; by 1978, however, extensive residential development was extant to the north of the property and today there are many houses adjacent to Property A (NETR 2022). Consequently, the property's integrity of setting has been diminished. In 1974, an addition was added to the north rear elevation of the original rock house. The addition is clad in wood shake shingles rather than stone and this addition may

have necessitated the demolition or removal of part of the property's original north wall and rock cladding. The windows on the property's primary south elevation and its east elevation have also been replaced. These alterations, most significantly the rear addition, have diminished the property's integrity of design, materials, and workmanship. These changes have also diminished the property's integrity of feeling. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. In summation, Property A retains its integrity of location, but lacks integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property B: 12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below.

Although Property A is not eligible as a landmark, it appears to still fulfill the minimum requirements of a Category C building. A Category C building must meet one of two minimum requirements (City of Poway, Subchapter 17.45.030, 1989):

i. A good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City

ii. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance

In 1991, Smith & Associates identified Property A as meeting the minimum requirements of a Category C building. The report stated that Property A was an example of Big Stone architecture but was a "poor example" of its type (Smith 1991: 3). Dudek concurs with the finding that Property A meets the minimum requirements of a Category C building, as it does embody some the character-defining feature of the rock house typology but its integrity has been diminished due to the 1974 addition at the north rear and other smaller alterations, such as window replacements.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property A is related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property A does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property A was a location associated with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, Property A does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, Property A does not appear to have been designed by an architect or firm of major importance; it appears the building was constructed by its original owners. Therefore, Property A does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property A was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property A does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property A does not appear to exhibit an extraordinary class of architectural design, detail, materials, or craftsmanship. Property A is an example of a vernacular rock house but has been substantially altered so that its integrity of design, materials, and craftsmanship have been diminished. Therefore, Property B does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property A does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property A does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property A is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark, which has made a major contribution to the community. Therefore, Property A does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property A does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property A does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

Property A (12702 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As such, the property is not considered a CEQA historical resource.

12702 Oak Knoll Road (APN: 317-500-14-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district. Subchapter 17.45.050 of the City of Poway Municipal Code states that for a historic/cultural resource to be designated as a Poway historic landmark, it must meet the requirements of a Category A or B historic/cultural resource. In addition, the Development Services Department shall find that the

historic/cultural resource meets one of the eight criteria for local landmark designation. 12702 Oak Knoll Road does not meet the requirements of a Category A or B historic/cultural resource and further does not meet any of the criteria for landmark listing by the City of Poway.

Although 12702 Oak Knoll Road is not eligible as a landmark, it appears to fulfill the minimum requirements of a Category C building as a good example of a period of architecture design or construction with a commonplace design and appears to be an important resource with substantial alterations that have severely compromised its historic, cultural, or architectural significance

***B12. References** *(continued from page 2):*

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings_____
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 12650 Oak Knoll Road
P1. Other Identifier: Property B

*__P2.__ **Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** San Diego **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad San Diego **Date** 2021 **T** 14S; **R** 2W; SW1/4 **of** SE1/4 **of Sec** 14; San Bernardino **B.M.**
c. Address 12650 Oak Knoll Road City Poway Zip 92064
d. UTM: (Give more than one for large and/or linear resources) Zone 11N , 494712 mE/ 3645869 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN 317-500-13-00

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

12650 Oak Knoll Road is a one-story, single-family house constructed in 1957 (San Diego County Assessor). The house has elements of the Minimal Ranch style. The building has an L-shaped plan with a low-pitched, cross-hipped roof clad in composition shingles, with open eaves and exposed rafters. The main (south) elevation features a two-bay wide projection (west side). Cladding on the main elevation is divided along a horizontal line. On the east side, this is vertical wood board cladding along the top half of the wall and horizontal wood board cladding on the bottom half. [See Continuation Sheet]

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property

***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession #) Primary (south) elevation, looking northeast (DSC04607), 05/04/2022
***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both 1957 (San Diego County Assessor)
***P7. Owner and Address:**
Harmon Family Trust
2806 Fauborough Ct.
Fort Collins, CO 80525
***P8. Recorded by:** (Name, affiliation, and address)
Nicole Frank, MSHP
Dudek, 38 N Marengo Avenue,
Pasadena, CA 91101
***P9. Date Recorded:** 05/04/22
***P10. Survey Type:** (Describe)
Intensive
***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Historic Resources Technical Report: Harmon Ranch, Poway, California. Prepared July 2022.

***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 12650 Oak Knoll Road ***NRHP Status Code** 6Z

B1. Historic Name: 12650 Oak Knoll Road
B2. Common Name: 12650 Oak Knoll Road
B3. Original Use: Single-family residence B4. Present Use: Single-family residence
***B5. Architectural Style:** Minimal Ranch
***B6. Construction History:** (Construction date, alterations, and date of alterations)

See **Continuation Sheet** for an alterations list based on archival research and on-site observation.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____
***B8. Related Features:**
N/A

B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Ranch Style (1930-1975) **Area** N/A
Period of Significance 1957 **Property Type** Single-family residence **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Significance summary

12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district. It further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1957 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NR, CR or Local designation through survey evaluation. [**See Continuation Sheet**]

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See **Continuation Sheet** for full list of references.

B13. Remarks:

***B14. Evaluator**: Katie Ahmanson, MHC and Allison Lyons, MSHP
***Date of Evaluation:** 7/22/2022

(Sketch Map with north arrow required.)

(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

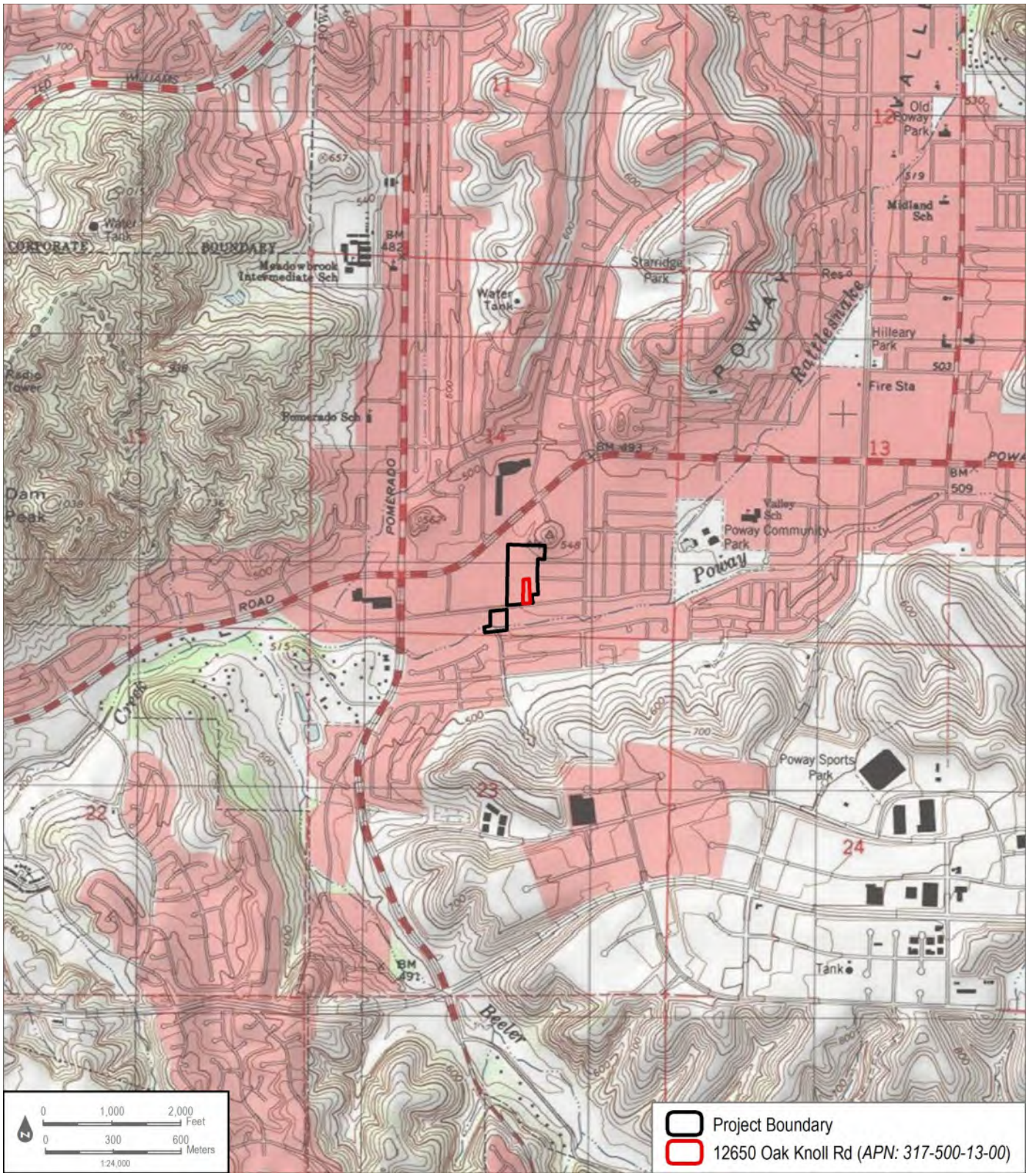
LOCATION MAP

Primary #
HRI#
Trinomial

***Resource Name or #** (Assigned by recorder) 12650 Oak Knoll Road

***Map Name:** Poway, CA

***Scale:** 1:24,000 ***Date of map:** 2022



***P3a. Description:**

Fenestration is a sliding, aluminum sash window. A recessed entrance is centrally located at the intersection of the two masses of the L-shape plan. The entrance is a single panel door. The second, or western, mass of the L-shape is two bays wide and protrudes south with vertical wood board cladding along the top half of the wall and smooth stucco along the bottom half. A sliding aluminum frame entrance is on the east side of the elevation. The two-material cladding continues on the east side elevation. The east side elevation features two sliding windows with aluminum sash. The west side elevation is clad in smooth stucco and includes a multi-light casement window. The property is located in the middle of the block and is set back on its parcel with a grass lawn and concrete driveway. Alterations to the appear to include the replacement of the original window sash with vinyl (dates unknown).

***B6. Construction History** *(continued from page 2):*

The following list of known alterations to 12650 Oak Knoll Road was compiled through archival research, during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Replacement vinyl windows, multiple elevations (observed, no date)
- Addition to the rear (observed, 2002)

***B10. Significance** *(continued from page 2):*

Historic Context

Post-Contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1846), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period when California became a territory of the United States.

Spanish Period (1769–1821)

The Spanish colonization of Alta California began in 1769 with the founding of Mission San Diego de Alcalá by Father Junípero Serra. Concerns over Russian and English interests in California motivated the Spanish government to send an expedition of soldiers, settlers, and missionaries to occupy and secure the northwestern borderlands of New Spain through the establishment of a Presidio, Mission, and Pueblo. The Spanish explorers first camped on the shore of the Bay in the area that is now downtown San Diego. Lack of water at this location, however, led to moving the camp on May 14, 1769, to a small hill closer to the San Diego River and near the Kumeyaay village of Cosoy. Father Junípero Serra arrived in July of the same year to find the Presidio serving mostly as a hospital. The Spanish built a primitive mission and presidio structure on the hill near the river.

Bad feelings soon developed between the native Kumeyaay and the soldiers, resulting in the construction of a stockade

that, by 1772, included barracks for the soldiers; a storehouse for supplies; a house for the missionaries; and a chapel, which had been improved. The log and brush huts were gradually replaced with buildings made of adobe bricks. Flat earthen roofs were eventually replaced by pitched roofs with rounded roof tiles. Clay floors were eventually lined with fired brick.

In August 1774, the Spanish missionaries moved the Mission San Diego de Alcalá to its present location 6 miles up the San Diego River valley (modern Mission Valley) near the Kumeyaay village of Nipaguay. Begun as a thatched chapel and compound built of willow poles, logs, and tules, the new mission was sacked and burned in the Kumeyaay uprising of November 5, 1775. The first adobe chapel was completed in October 1776, and the present church was begun the following year. A succession of building programs through 1813 resulted in the final plan that included the church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. Orchards, reservoirs, and other agricultural installations were built to the south on the lower San Diego River alluvial terrace and were irrigated by a dam and aqueduct system. The initial Spanish occupation and mission system brought about profound changes in the lives of the Kumeyaay people. Substantial numbers of the coastal Kumeyaay were forcibly brought into the mission or died from introduced diseases.

As early as 1791, presidio commandants in California were given the authority to grant small house lots and garden plots to soldiers and their families, and sometime after 1800, soldiers and their families began to move down the hill near the San Diego River. Historian William Smythe noted that Don Blas Aguilar, who was born in 1811, remembered at least 15 such grants below Presidio Hill by 1821, of which only five were within the boundaries of what would become Old Town had houses in 1821. These were the retired commandant Francisco Ruiz's adobe (now known as the Carrillo Adobe), another building later owned by Henry Fitch on Calhoun Street, the Ybanes and Serrano houses on Juan Street near Washington Street, and a small adobe house on the main plaza owned by Juan Jose Maria Marron.

Mexican Period (1821–1846)

In 1822, the political situation changed as Mexico won its independence from Spain, and San Diego became part of the Mexican Republic. The Mexican government opened California to foreign trade, began issuing private land grants in the early 1820s, created the rancho system of large agricultural estates, secularized the Spanish missions in 1833, and oversaw the rise of the civilian pueblo. By 1827, as many as 30 homes existed around the central plaza, and in 1835, Mexico granted San Diego official pueblo (town) status. At this time, the town had a population of nearly 500 residents, later reaching a peak of roughly 600. By 1835 the presidio, once the center of life in Spanish San Diego, had been abandoned and lay in ruins. Mission San Diego de Alcalá fared little better. The town and the ship landing area at La Playa were now the centers of activity in Mexican San Diego. However, the new Pueblo of San Diego did not prosper, as some other California towns did during the Mexican Period.

Secularization in what is now San Diego County triggered increased Native American hostilities against the Californios during the late 1830s. The attacks on outlying ranchos, along with unstable political and economic factors, lead to San Diego's population decline to approximately 150 permanent residents by 1840. San Diego's official Pueblo status was removed by 1838, and it was made a subprefecture of the Los Angeles Pueblo. When the Americans took over after 1846, the situation had stabilized somewhat, and the population had increased to roughly 350 non-Native American residents. The Native American population continued to decline, as Mexican occupation brought about continued displacement and acculturation of Native American populations.

American Period (1846–Present)

The American Period began in 1846 when United States military forces occupied San Diego; this period continues today. When United States military forces occupied San Diego in July 1846, the town's residents split on their course of action. Many of the town's leaders sided with the Americans, but other prominent families opposed the United States' invasion. In December 1846, a group of Californios under Andres Pico engaged United States Army forces under General Stephen Kearney at the Battle of San Pasqual and inflicted many casualties. However, the Californio resistance was defeated in two small battles near Los Angeles, and effectively ended the resistance by January 1847. The Americans assumed formal control with the Treaty of Guadalupe-Hidalgo in 1848, and introduced Anglo culture and society, American political institutions, and American commerce. In 1850, the Americanization of San Diego began to develop rapidly.

On February 18, 1850, the California State Legislature formally organized San Diego County. The first elections were held at San Diego and La Playa on April 1, 1850, for county officers. San Diego grew slowly during the next decade. San Diegans attempted to develop the town's interests through a transcontinental railroad plan and development of a new town closer to the Bay. The failure of these plans, added to a severe drought that crippled ranching and the onset of the Civil War, left San Diego as a remote frontier town. These issues led to a drop in the town's population from 650 in 1850 to 539 in 1860. Not until land speculator and developer Alonzo Horton arrived in 1867 did San Diego begin to develop fully into an active American town.

Alonzo Horton's development of a New San Diego (modern downtown) in 1867 began to swing the community's focus away from Old Town and began the urbanization of San Diego. Expansion of trade brought an increase in the availability of building materials. Wood buildings gradually replaced adobe structures. Some of the earliest buildings to be erected in the American Period were "pre-fab" houses that were built on the east coast of the United States and shipped in sections around Cape Horn and reassembled in San Diego. Development spread from downtown due to a variety of factors, including the availability of potable water and transportation corridors. Factors such as views and access to public facilities affected land values, which in turn affected the character of neighborhoods that developed. During the Victorian Era of the late 1800s and early 1900s, the areas of Golden Hill, Uptown, Banker's Hill, and Sherman Heights were developed. Examples of the Victorian Era architectural styles remain in these communities, and in Little Italy, which developed at the same time. At the time downtown was being built, there began to be summer cottage/retreat development in what are now the beach communities and La Jolla area. The early structures in these areas were not of substantial construction since they were primarily built for temporary vacation housing.

Development also spread to the greater North Park and Mission Hills areas during the early 1900s. The neighborhoods were built as small lots, a single lot at a time; there was no large tract housing development in these neighborhoods. This provided affordable housing away from the downtown area, and development expanded as transportation improved. Barrio Logan began as a residential area, but because of proximity to rail freight and shipping freight docks, the area became more mixed, with conversion to industrial uses. This area was more suitable to industrial uses because land values were not as high. Topographically, the area is more level, and it does not have views like the areas north of downtown. Various ethnic groups settled in the area because of the affordability of land ownership.

San Ysidro began to be developed around the turn of the twentieth century. The early settlers were followers of the Littlelanders colonies movement. There, the pattern of development was designed to accommodate small plots of land for each homeowner to farm as part of a farming/residential cooperative community. Nearby Otay Mesa-Nestor began to be developed by farmers of Germanic and Swiss backgrounds. Some of the prime citrus groves in California were in the Otay Mesa-Nestor area. In addition, there were grape growers of Italian heritage who settled in the Otay River Valley and tributary canyons who produced wine for commercial purposes.

San Diego State University was established in the 1920s, and the development of the State College area began, including development of the Navajo community as an outgrowth from the college area and from the west. There was farming and ranching in Mission Valley until the middle portion of the twentieth century when the uses were converted to commercial and residential. There were dairy farms and chicken ranches adjacent to the San Diego River where now there are motels, restaurants, office complexes, and regional shopping malls. There was little development north of the San Diego River until Linda Vista was developed as military housing in the 1940s, when the federal government improved public facilities and extended water and sewer pipelines to the area. From Linda Vista, development spread north of Mission Valley to the Clairemont Mesa and Kearny Mesa areas. Development in these communities was mixed-use and residential on moderate-sized lots.

Tierrasanta, previously owned by the U.S. Navy, was developed in the 1970s. It was one of the first planned developments in the area with segregation of uses. Tierrasanta and many of the communities that have developed since, such as Rancho Penasquitos and Rancho Bernardo, represent the typical development pattern in San Diego in the last 25 to 30 years: uses are well segregated, with commercial uses located along the main thoroughfares and residential uses located beyond that. Industrial uses are located in planned industrial parks.

Historical Overview of the City of Poway

Poway was first recorded in 1828 as the valley of "Paguay" in documents from the Mission San Diego de Alcala. The valley owes its name to the tribes of San Diegueno Native Americans who inhabited the valley before the arrival of the Spanish in 1769. The native name of Paguay appeared on maps, such as the Rand McNally Atlases, as late as 1869. During Spanish rule, the valley was used for pasturing mission livestock, and its inhabitants were the Spanish Padres, Mission Indians, and nomadic bands of Native Americans (Poway Historical Book Committee 1981).

The first American settler believed to have established a homestead in Poway was Philip Crosthwaite, who built an adobe house and started a ranch in 1859. However, soon after, Crosthwaite sold his ranch to the Kerran Brothers and a woman known only Mrs. Anderson, who continued to maintain the ranch until 1874. Farmers had begun to settle within the valley and in 1874, the California State Legislature passed the "no-fence" law that required ranchers to keep cattle off farmers' property, even if the property is not bound by a fence. The Kerran ranch and others in the area were unable to comply with these rules and cattle disappeared from the landscape. Thus, the economy of the valley shifted to agriculture (Poway Historical Book Committee 1981; Granberry 1985).

By 1887, the population increased to 800 people, and the valley had a prosperous farming and dairying industry. The community had established a church, stores, school, and hotel, and there was the possibility two railroads would be built in the valley. This brought an increase in residents. The real-estate firm of Baird and Chapin was drawn to the prospects of the area. The firm planned residential communities around small parks in a subdivision plan called Piermont. However, the railroad never materialized, settlers began to leave the valley, and the subdivision was never completed (Poway Historical Book Committee 1981).

Throughout the early 1900s, inhabitants faced drought and transportation difficulties, but Poway still thrived as a farming community. The valley was known for its peaches, vineyards, grain, and alfalfa. Transportation was limited to wagons and stagecoaches, so seeds were carried by wagon from San Diego using the old Pomerado Grade. The Poway Post Office was established in 1901 and received mail twice a day from two four-horse stagecoaches, one that traveled from Escondido every morning, and another from San Diego (Poway Historical Book Committee 1981; Stuart 1966).

Poway experienced periods of droughts that led to the decline of agriculture in the early 1900s. Although there was a local

creek that supplied water fit for agriculture, the lack of easily available drinking water prevented the growth of the town until water districts formed after World War II. By 1954, the Poway Municipal Water District was created to utilize water from the Colorado River Aqueduct, and by 1957, the sewer system was completed and developers began building housing tracts. In 1971, the dam that created Lake Poway was constructed, and it became a stable source of water for the residents. At this time, Poway's economy was no longer supported by agriculture, and it instead became a residential community for people who worked throughout the San Diego Area (Poway City History).

In the 1970s, members of the community decided that Poway should become its own city. They wanted their own City Council so town decisions could be made by locals. A measure to incorporate Poway was put on a ballot in 1976, but voters were concerned that Poway would not have enough financial stability on its own, so they rejected the measure. By 1980, it was determined that Poway would be able to afford the cost of cityhood, and another election was held in November of that year. Over half the voters voted in favor of Poway becoming a city, and on December 1, 1980, it officially became the City of Poway under the motto, "The City in the Country." By 1981, Poway had its own City Council, City Hall, and Civic Center (Gorman 1985; Greeley 1981).

During the 2000s, the population of Poway steadily increased, reaching a peak in 2015 with about 50,000 citizens. Today, the population is comprised of 48,564 citizens, and Poway still maintains its rural identity as a small country city. Although the farming industry never returned, it is still a popular location for residents who work in San Diego (US Census Bureau 2022).

Ranch Style (1930-1975)

Ranch-style houses in California reflect a national trend of fascination with the "Old West" and were a building style of choice for tract housing in the mid-twentieth century. Ranch homes were originally developed in the western and southwestern United States, but quickly gained national popularity through the dissemination of do-it-yourself manuals and plans in national magazines such as *Sunset, Better Homes and Gardens,* and *House Beautiful.* Ranch houses were also popular as a custom-built type of housing, which was especially popular in the later 1940s and 1950s. Ranch houses were typically built between 1930 and 1975, but peaked in the 1950s, as the most prevalent type of post-World War II suburban tract-style housing, often housing veterans who secured housing with FHA loans.

Ranch style houses are usually a one-story, single-family residence. Houses designed in this architectural style include several identifying characteristics such as rambling, elongated plans; a horizontal emphasis; general asymmetry; free-flowing interior spaces; and a designed connection to the outdoors. Features such as low-pitched roofs with wide eaves, a combination of cladding materials including board-and-batten siding, brick and stone chimneys, and large picture windows were commonly applied and evoked an aesthetic that was reminiscent of these past architectural traditions. Decorative features such as wood shutters and dovecotes were often added to enhance the rusticated appearance of Ranch houses (Grimes and Chiang 2009; Horak et.al. 2015; McAlester 2013).

Character-defining features include:

- Rambling, elongated plans with a horizontal emphasis
- 1-2 stories in height
- Low-pitched gabled or hipped roofs with overhanging, open eaves
- General asymmetry
- Free-flowing interior spaces
- Designed connection to the outdoors

- Cladding featuring stucco, board and batten, shingles, clapboard, or a combination of materials
- Brick or stone chimney details
- Attached garages often linked to residence by breezeways
- Combinations of stone, brick, board and batten, clapboard, or horizontal wood siding used for accent on walls, secondary cladding types, and planters
- Functional and non-functional shutters details as trim around windows
- Fenestration may include a picture window

NRHP/CRHR Evaluation of Significance

Criterion A/1: *That are associated with events that have made a significant contribution to the broad patterns of our history.*

Archival research of 12650 Oak Knoll Road did not find any associations with events that made a significant contribution to the broad patterns of history. The property was completed in 1957, during a real estate boom brought on by a new sewer system that provided residences with access to a stable source of water. Despite the property reflecting the trend of Poway's residential growth during the late 1950s, there is no indication that the construction of this specific residence marked a pivotal movement in the history of the neighborhood or city. It was neither the first nor the last type and was merely following a continuous pattern of residential development that continued through the 1980s after Poway became a city. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: *That are associated with the lives of persons significant in our past.*

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and 12650 Oak Knoll Road. The earliest ownership information available identified Richard and Helen Wexeberg as the owners of the property in 1964. The next known residents of the property were James and Joan French in 1971, Katie B. Carter in 1975, and Eugene and Barbara Pendell in 1976, followed by Thomas J. Kerr in 1998. Research found little additional information on the lives of each of the property owners that would indicate they are individuals considered significant in our past. Due to a lack of identified significant associations with important persons in history, 12650 Oak Knoll Road does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: *That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.*

12650 Oak Knoll Road does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a 1950s Ranch-style residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of the Minimal Ranch style, and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the property could not be found. There is no known architect or firm associated with the design or development of 12650 Oak Knoll Road. There is no indication that the property is a distinguished

example of work that was designed by an architect or firm recognized as unique in the field of Ranch house design or single-family residential development. 12650 Oak Knoll Road does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. 12650 Oak Knoll Road does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, 12650 Oak Knoll Road is not significant under Criterion C/3.

Criterion D/4: *That have yielded or may be likely to yield information important in prehistory or history.*

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project Site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo in 2022.

Integrity Discussion

12650 Oak Knoll Road contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been altered since the 1957 residence was constructed. The integrity of setting has been diminished due to continued development in the area, particularly in the 1990s and early 2000s. The replacement of its original windows and the rear addition impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. 12650 Oak Knoll Road retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at 12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1. *Its location is the site of a historic event having major significance to the City, State or United States.*

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that 12650 Oak Knoll Road is related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 1.

2. *Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.*

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that 12650 Oak Knoll Road was a location associated with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 2.

3. *Its quality as one of the finest examples in the City of the work of an architect of major importance.*

As discussed in NRHP/CRHR Criterion C/3, the building identified on 12650 Oak Knoll Road does not exemplify a fine example of the Minimal Ranch style in the City of Poway. No original building permit could be located for 12650 Oak Knoll Road. 12650 Oak Knoll Road does not appear to be the work of an architect of major importance. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 3.

4. *Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.*

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that 12650 Oak Knoll Road was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 4.

5. *Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.*

As discussed in NRHP/CRHR Criteria C/3, 12650 Oak Knoll Road does not appear to exhibit an extraordinary class of architectural design, detail, materials, or craftsmanship. It is a typical example of a ubiquitous Minimal Ranch House design. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 5.

6. *Its potential of yielding historic/cultural information of major importance.*

As discussed in NRHP/CRHR Criteria D/4, 12650 Oak Knoll Road does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project Site, please see DeCarlo 2022. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 6.

7. *Its integrity as a natural feature that has made a major contribution to the community.*

12650 Oak Knoll Road is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark, which has made a major contribution to the community. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 7.

8. *Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.*

12650 Oak Knoll Road does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, 12650 Oak Knoll Road does not appear significant under City of Poway Criterion 8.

Summary of Findings

12650 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing in the NRHP or CRHR, either

individually or as part of a potential or existing historic district. It further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1957 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NR, CR or Local designation through survey evaluation.

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings_____
Review Code Reviewer Date

Page 1 **of** 14 ***Resource Name or #:** (Assigned by recorder) 12624 Oak Knoll Road
P1. Other Identifier: Property C

*__P2.__ **Location:** □ **Not for Publication** ■ **Unrestricted**
***a. County** San Diego **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad San Diego **Date** 2021 **T** 14S; **R** 2W; SW1/4 **of** SE1/4 **of Sec** 14; San Bernardino **B.M.**
c. Address 12624 Oak Knoll Road City Poway Zip 92064
d. UTM: (Give more than one for large and/or linear resources) Zone 11N , 494637 mE/ 3645844 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN 317-500-11-00

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

12624 Oak Knoll Road is a one-story, single-family house constructed in 1959, with two ancillary buildings on the rear of the parcel (San Diego County Assessor). The house has elements of the Minimal Ranch style. The building has a rectangular plan with a low-pitched, side-gabled roof clad in composition shingles, with open eaves, exposed rafters, and an overhang that extends above the entry porch. Cladding is rough textured stucco with vertical wood board cladding along the central entrance porch. The main (south) elevation is divided into five bays. [See Continuation Sheet]

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property

***P4. Resources Present:** ■ Building □ Structure □ Object □ Site □ District □ Element of District □ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession #) Primary (south) elevation, looking northwest (DSC04603), 05/04/2022

***P6. Date Constructed/Age and Source:** ■ Historic □ Prehistoric □ Both
1959 (San Diego County Assessor)

***P7. Owner and Address:**
Harmon Family Trust
2806 Fauborough Ct.
Fort Collins, CO 80525

***P8. Recorded by:** (Name, affiliation, and address)
Nicole Frank, MSHP
Dudek, 38 N Marengo Avenue,
Pasadena, CA 91101

***P9. Date Recorded:** 05/04/22

***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Historic Resources Technical Report: Harmon Ranch, Poway, California. Prepared July 2022.

***Attachments:** □NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
□Archaeological Record □District Record □Linear Feature Record □Milling Station Record □Rock Art Record

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 12624 Oak Knoll Road ***NRHP Status Code** 6Z

B1. Historic Name: 12624 Oak Knoll Road
B2. Common Name: 12624 Oak Knoll Road
B3. Original Use: Single-family residence B4. Present Use: Single-family residence
***B5. Architectural Style:** Minimal Ranch
***B6. Construction History:** (Construction date, alterations, and date of alterations)

See **Continuation Sheet** for an alterations list based on archival research and on-site observation.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____
***B8. Related Features:**
N/A

B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Ranch Style (1930-1975) **Area** N/A
Period of Significance 1959 **Property Type** Single-family residence **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Significance summary

12624 Oak Knoll Road (APN: 317-500-11-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district. It further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NR, CR or Local designation through survey evaluation. [**See Continuation Sheet**]

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See **Continuation Sheet** for full list of references.

B13. Remarks:

***B14. Evaluator**: Katie Ahmanson, MHC and Allison Lyons, MSHP
***Date of Evaluation:** 7/22/2022

(Sketch Map with north arrow required.)

(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

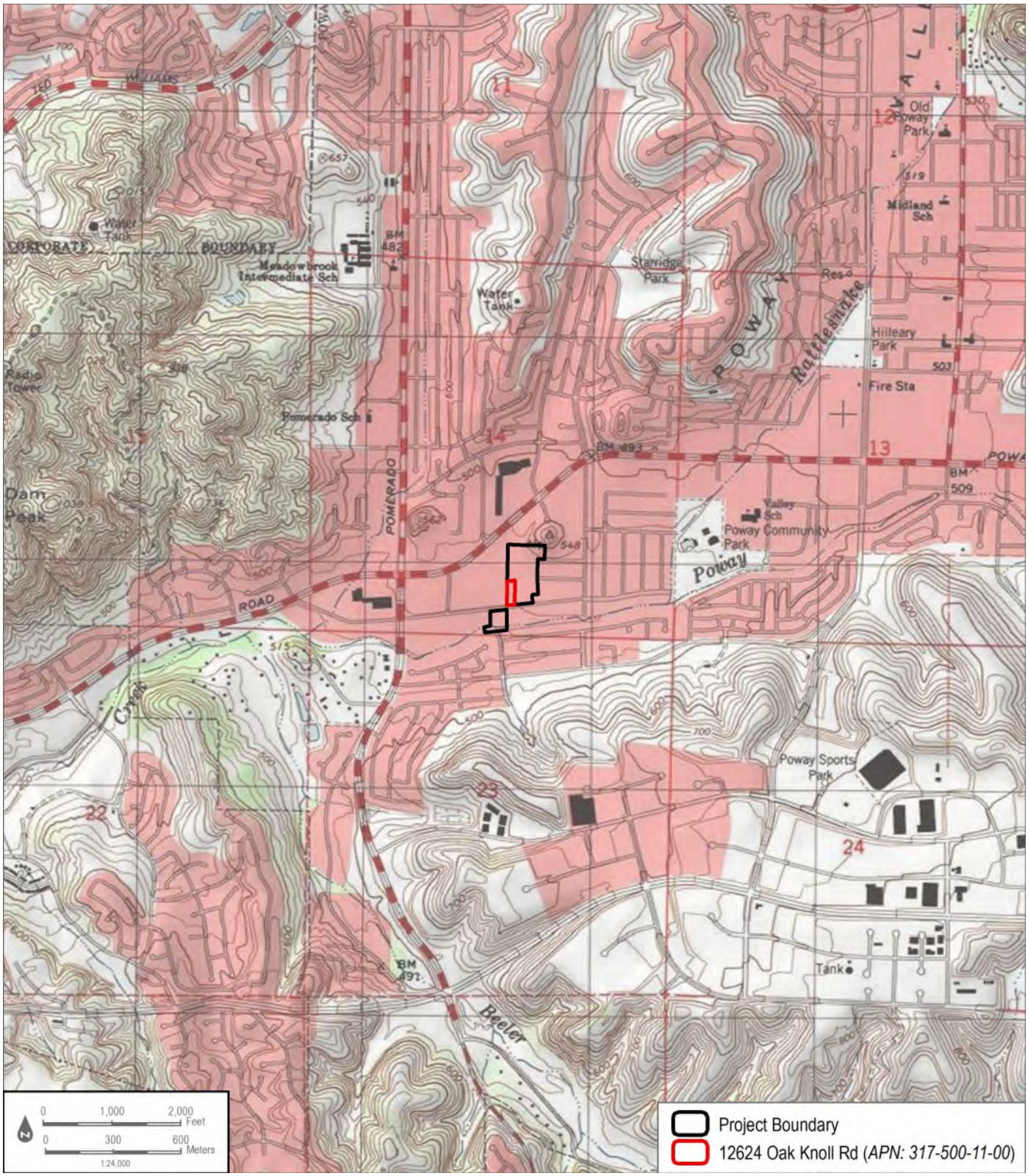
LOCATION MAP

Primary #
HRI#
Trinomial

***Resource Name or #** (Assigned by recorder) 12624 Oak Knoll Road

***Map Name:** Poway, CA

***Scale:** 1:24,000 ***Date of map:** 2022



***P3a. Description:**

A double-light sliding window is featured within the first bay. A brick-clad chimney with a concrete cap extends above the roofline in the second bay where the roofline extends over the porch. Within the porch, there is a large centrally placed, five-over-five square light wood sash window and single main entry door, obscured by a security door. The entrance porch is accessed by stone concrete to the east of the porch foundation. Wood posts along the perimeter of the porch support the overhang above. To the east of the entrance is a small double-hung window and multi-light sliding window, in the fourth and fifth bays, respectively. A multipaneled wood garage door is featured on the far east side of the main elevation and leads to the attached garage. A wood picket fence extends from the west side of the main elevation to the property line. The west side elevation is clad in rough textured stucco and includes two double light sliding windows, as well as a centrally located decorative vent beneath the pitch of the gable. On the east side elevation is a single, central multi-light fixed window. The two ancillary buildings sit on the east side of the northeast rear of the property. One furthest south features a vertical wood board clad rectangular mass topped by a side gable, wood shingle roof with open eaves, exposed rafters, and a wide overhang supported by wood posts to cover a surrounding porch. The other is just north of the first ancillary building and has a modular composition with a side gable and shed roof. The property is located in the center of a primarily residential block and set back on its parcel with an open lawn, and a concrete driveway leading to the attached garage. Alterations to the residence appear to be the replacement of the original garage door, and the replacement of the original window sash with vinyl (dates unknown).

***B6. Construction History** *(continued from page 2):*

The following list of known alterations to 12624 Oak Knoll Road was compiled through archival research and during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Replacement vinyl windows, multiple elevations (observed, no date)
- Addition of a rectangular ancillary building on the northeast side of the property (observed, 1978)
- Addition of a rectangular ancillary building on the northwest side (observed, 1978)
- Addition of a pool on the southwest side of the backyard, directly behind the residence (observed, 1978)
- Replacement of original garage door (observed, 2014)
- Front addition to the ancillary building on the northeast side of the property (observed, 2014)
- Replacement of wood fence (observed, 2015)

***B10. Significance** *(continued from page 2):*

Historic Context

Post-Contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1846), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period

when California became a territory of the United States.

Spanish Period (1769–1821)

The Spanish colonization of Alta California began in 1769 with the founding of Mission San Diego de Alcalá by Father Junípero Serra. Concerns over Russian and English interests in California motivated the Spanish government to send an expedition of soldiers, settlers, and missionaries to occupy and secure the northwestern borderlands of New Spain through the establishment of a Presidio, Mission, and Pueblo. The Spanish explorers first camped on the shore of the Bay in the area that is now downtown San Diego. Lack of water at this location, however, led to moving the camp on May 14, 1769, to a small hill closer to the San Diego River and near the Kumeyaay village of Cosoy. Father Junípero Serra arrived in July of the same year to find the Presidio serving mostly as a hospital. The Spanish built a primitive mission and presidio structure on the hill near the river.

Bad feelings soon developed between the native Kumeyaay and the soldiers, resulting in the construction of a stockade that, by 1772, included barracks for the soldiers; a storehouse for supplies; a house for the missionaries; and a chapel, which had been improved. The log and brush huts were gradually replaced with buildings made of adobe bricks. Flat earthen roofs were eventually replaced by pitched roofs with rounded roof tiles. Clay floors were eventually lined with fired brick.

In August 1774, the Spanish missionaries moved the Mission San Diego de Alcalá to its present location 6 miles up the San Diego River valley (modern Mission Valley) near the Kumeyaay village of Nipaguay. Begun as a thatched chapel and compound built of willow poles, logs, and tules, the new mission was sacked and burned in the Kumeyaay uprising of November 5, 1775. The first adobe chapel was completed in October 1776, and the present church was begun the following year. A succession of building programs through 1813 resulted in the final plan that included the church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. Orchards, reservoirs, and other agricultural installations were built to the south on the lower San Diego River alluvial terrace and were irrigated by a dam and aqueduct system. The initial Spanish occupation and mission system brought about profound changes in the lives of the Kumeyaay people. Substantial numbers of the coastal Kumeyaay were forcibly brought into the mission or died from introduced diseases.

As early as 1791, presidio commandants in California were given the authority to grant small house lots and garden plots to soldiers and their families, and sometime after 1800, soldiers and their families began to move down the hill near the San Diego River. Historian William Smythe noted that Don Blas Aguilar, who was born in 1811, remembered at least 15 such grants below Presidio Hill by 1821, of which only five were within the boundaries of what would become Old Town had houses in 1821. These were the retired commandant Francisco Ruiz's adobe (now known as the Carrillo Adobe), another building later owned by Henry Fitch on Calhoun Street, the Ybanes and Serrano houses on Juan Street near Washington Street, and a small adobe house on the main plaza owned by Juan Jose Maria Marron.

Mexican Period (1821–1846)

In 1822, the political situation changed as Mexico won its independence from Spain, and San Diego became part of the Mexican Republic. The Mexican government opened California to foreign trade, began issuing private land grants in the early 1820s, created the rancho system of large agricultural estates, secularized the Spanish missions in 1833, and oversaw the rise of the civilian pueblo. By 1827, as many as 30 homes existed around the central plaza, and in 1835, Mexico granted San Diego official pueblo (town) status. At this time, the town had a population of nearly 500 residents,

later reaching a peak of roughly 600. By 1835 the presidio, once the center of life in Spanish San Diego, had been abandoned and lay in ruins. Mission San Diego de Alcalá fared little better. The town and the ship landing area at La Playa were now the centers of activity in Mexican San Diego. However, the new Pueblo of San Diego did not prosper, as some other California towns did during the Mexican Period.

Secularization in what is now San Diego County triggered increased Native American hostilities against the Californios during the late 1830s. The attacks on outlying ranchos, along with unstable political and economic factors, lead to San Diego's population decline to approximately 150 permanent residents by 1840. San Diego's official Pueblo status was removed by 1838, and it was made a subprefecture of the Los Angeles Pueblo. When the Americans took over after 1846, the situation had stabilized somewhat, and the population had increased to roughly 350 non-Native American residents. The Native American population continued to decline, as Mexican occupation brought about continued displacement and acculturation of Native American populations.

American Period (1846–Present)

The American Period began in 1846 when United States military forces occupied San Diego; this period continues today. When United States military forces occupied San Diego in July 1846, the town's residents split on their course of action. Many of the town's leaders sided with the Americans, but other prominent families opposed the United States' invasion. In December 1846, a group of Californios under Andres Pico engaged United States Army forces under General Stephen Kearney at the Battle of San Pasqual and inflicted many casualties. However, the Californio resistance was defeated in two small battles near Los Angeles, and effectively ended the resistance by January 1847. The Americans assumed formal control with the Treaty of Guadalupe-Hidalgo in 1848, and introduced Anglo culture and society, American political institutions, and American commerce. In 1850, the Americanization of San Diego began to develop rapidly.

On February 18, 1850, the California State Legislature formally organized San Diego County. The first elections were held at San Diego and La Playa on April 1, 1850, for county officers. San Diego grew slowly during the next decade. San Diegans attempted to develop the town's interests through a transcontinental railroad plan and development of a new town closer to the Bay. The failure of these plans, added to a severe drought that crippled ranching and the onset of the Civil War, left San Diego as a remote frontier town. These issues led to a drop in the town's population from 650 in 1850 to 539 in 1860. Not until land speculator and developer Alonzo Horton arrived in 1867 did San Diego begin to develop fully into an active American town.

Alonzo Horton's development of a New San Diego (modern downtown) in 1867 began to swing the community's focus away from Old Town and began the urbanization of San Diego. Expansion of trade brought an increase in the availability of building materials. Wood buildings gradually replaced adobe structures. Some of the earliest buildings to be erected in the American Period were "pre-fab" houses that were built on the east coast of the United States and shipped in sections around Cape Horn and reassembled in San Diego. Development spread from downtown due to a variety of factors, including the availability of potable water and transportation corridors. Factors such as views and access to public facilities affected land values, which in turn affected the character of neighborhoods that developed. During the Victorian Era of the late 1800s and early 1900s, the areas of Golden Hill, Uptown, Banker's Hill, and Sherman Heights were developed. Examples of the Victorian Era architectural styles remain in these communities, and in Little Italy, which developed at the same time. At the time downtown was being built, there began to be summer cottage/retreat development in what are now the beach communities and La Jolla area. The early structures in these areas were not of substantial construction since they were primarily built for temporary vacation housing.

Development also spread to the greater North Park and Mission Hills areas during the early 1900s. The neighborhoods were built as small lots, a single lot at a time; there was no large tract housing development in these neighborhoods. This provided affordable housing away from the downtown area, and development expanded as transportation improved. Barrio Logan began as a residential area, but because of proximity to rail freight and shipping freight docks, the area became more mixed, with conversion to industrial uses. This area was more suitable to industrial uses because land values were not as high. Topographically, the area is more level, and it does not have views like the areas north of downtown. Various ethnic groups settled in the area because of the affordability of land ownership.

San Ysidro began to be developed around the turn of the twentieth century. The early settlers were followers of the Littlelanders colonies movement. There, the pattern of development was designed to accommodate small plots of land for each homeowner to farm as part of a farming/residential cooperative community. Nearby Otay Mesa-Nestor began to be developed by farmers of Germanic and Swiss backgrounds. Some of the prime citrus groves in California were in the Otay Mesa-Nestor area. In addition, there were grape growers of Italian heritage who settled in the Otay River Valley and tributary canyons who produced wine for commercial purposes.

San Diego State University was established in the 1920s, and the development of the State College area began, including development of the Navajo community as an outgrowth from the college area and from the west. There was farming and ranching in Mission Valley until the middle portion of the twentieth century when the uses were converted to commercial and residential. There were dairy farms and chicken ranches adjacent to the San Diego River where now there are motels, restaurants, office complexes, and regional shopping malls. There was little development north of the San Diego River until Linda Vista was developed as military housing in the 1940s, when the federal government improved public facilities and extended water and sewer pipelines to the area. From Linda Vista, development spread north of Mission Valley to the Clairemont Mesa and Kearny Mesa areas. Development in these communities was mixed-use and residential on moderate-sized lots.

Tierrasanta, previously owned by the U.S. Navy, was developed in the 1970s. It was one of the first planned developments in the area with segregation of uses. Tierrasanta and many of the communities that have developed since, such as Rancho Penasquitos and Rancho Bernardo, represent the typical development pattern in San Diego in the last 25 to 30 years: uses are well segregated, with commercial uses located along the main thoroughfares and residential uses located beyond that. Industrial uses are located in planned industrial parks.

Historical Overview of the City of Poway

Poway was first recorded in 1828 as the valley of “Paguay” in documents from the Mission San Diego de Alcala. The valley owes its name to the tribes of San Diegueno Native Americans who inhabited the valley before the arrival of the Spanish in 1769. The native name of Paguay appeared on maps, such as the Rand McNally Atlases, as late as 1869. During Spanish rule, the valley was used for pasturing mission livestock, and its inhabitants were the Spanish Padres, Mission Indians, and nomadic bands of Native Americans (Poway Historical Book Committee 1981).

The first American settler believed to have established a homestead in Poway was Philip Crosthwaite, who built an adobe house and started a ranch in 1859. However, soon after, Crosthwaite sold his ranch to the Kerran Brothers and a woman known only Mrs. Anderson, who continued to maintain the ranch until 1874. Farmers had begun to settle within the valley and in 1874, the California State Legislature passed the “no-fence” law that required ranchers to keep cattle off farmers’ property, even if the property is not bound by a fence. The Kerran ranch and others in the area were unable to comply with these rules and cattle disappeared from the landscape. Thus, the economy of the valley shifted to agriculture (Poway

Historical Book Committee 1981; Granberry 1985).

By 1887, the population increased to 800 people, and the valley had a prosperous farming and dairying industry. The community had established a church, stores, school, and hotel, and there was the possibility two railroads would be built in the valley. This brought an increase in residents. The real-estate firm of Baird and Chapin was drawn to the prospects of the area. The firm planned residential communities around small parks in a subdivision plan called Piermont. However, the railroad never materialized, settlers began to leave the valley, and the subdivision was never completed (Poway Historical Book Committee 1981).

Throughout the early 1900s, inhabitants faced drought and transportation difficulties, but Poway still thrived as a farming community. The valley was known for its peaches, vineyards, grain, and alfalfa. Transportation was limited to wagons and stagecoaches, so seeds were carried by wagon from San Diego using the old Pomerado Grade. The Poway Post Office was established in 1901 and received mail twice a day from two four-horse stagecoaches, one that traveled from Escondido every morning, and another from San Diego (Poway Historical Book Committee 1981; Stuart 1966).

Poway experienced periods of droughts that led to the decline of agriculture in the early 1900s. Although there was a local creek that supplied water fit for agriculture, the lack of easily available drinking water prevented the growth of the town until water districts formed after World War II. By 1954, the Poway Municipal Water District was created to utilize water from the Colorado River Aqueduct, and by 1957, the sewer system was completed and developers began building housing tracts. In 1971, the dam that created Lake Poway was constructed, and it became a stable source of water for the residents. At this time, Poway's economy was no longer supported by agriculture, and it instead became a residential community for people who worked throughout the San Diego Area (Poway City History).

In the 1970s, members of the community decided that Poway should become its own city. They wanted their own City Council so town decisions could be made by locals. A measure to incorporate Poway was put on a ballot in 1976, but voters were concerned that Poway would not have enough financial stability on its own, so they rejected the measure. By 1980, it was determined that Poway would be able to afford the cost of cityhood, and another election was held in November of that year. Over half the voters voted in favor of Poway becoming a city, and on December 1, 1980, it officially became the City of Poway under the motto, "The City in the Country." By 1981, Poway had its own City Council, City Hall, and Civic Center (Gorman 1985; Greeley 1981).

During the 2000s, the population of Poway steadily increased, reaching a peak in 2015 with about 50,000 citizens. Today, the population is comprised of 48,564 citizens, and Poway still maintains its rural identity as a small country city. Although the farming industry never returned, it is still a popular location for residents who work in San Diego (US Census Bureau 2022).

Ranch Style (1930-1975)

Ranch-style houses in California reflect a national trend of fascination with the "Old West" and were a building style of choice for tract housing in the mid-twentieth century. Ranch homes were originally developed in the western and southwestern United States, but quickly gained national popularity through the dissemination of do-it-yourself manuals and plans in national magazines such as *Sunset, Better Homes and Gardens,* and *House Beautiful.* Ranch houses were also popular as a custom-built type of housing, which was especially popular in the later 1940s and 1950s. Ranch houses were typically built between 1930 and 1975, but peaked in the 1950s, as the most prevalent type of post-World War II suburban tract-style housing, often housing veterans who secured housing with FHA loans.

Ranch style houses are usually a one-story, single-family residence. Houses designed in this architectural style include

several identifying characteristics such as rambling, elongated plans; a horizontal emphasis; general asymmetry; free-flowing interior spaces; and a designed connection to the outdoors. Features such as low-pitched roofs with wide eaves, a combination of cladding materials including board-and-batten siding, brick and stone chimneys, and large picture windows were commonly applied and evoked an aesthetic that was reminiscent of these past architectural traditions. Decorative features such as wood shutters and dovecotes were often added to enhance the rusticated appearance of Ranch houses (Grimes and Chiang 2009; Horak et.al. 2015; McAlester 2013).

Character-defining features include:

- Rambling, elongated plans with a horizontal emphasis
- 1-2 stories in height
- Low-pitched gabled or hipped roofs with overhanging, open eaves
- General asymmetry
- Free-flowing interior spaces
- Designed connection to the outdoors
- Cladding featuring stucco, board and batten, shingles, clapboard, or a combination of materials
- Brick or stone chimney details
- Attached garages often linked to residence by breezeways
- Combinations of stone, brick, board and batten, clapboard, or horizontal wood siding used for accent on walls, secondary cladding types, and planters
- Functional and non-functional shutters details as trim around windows
- Fenestration may include a picture window

NRHP/CRHR Evaluation of Significance

Criterion A/1: *That are associated with events that have made a significant contribution to the broad patterns of our history.*

Archival research of 12624 Oak Knoll Road did not reveal any associations with events that made a significant contribution to the broad patterns of history. The property was completed in 1959, during a real estate boom brought on by a new sewer system that provided residences with access to a stable source of water. Despite the property reflecting the trend of Poway's residential growth during the late 1950s, there is no indication that the construction of this specific residence marked a pivotal movement in the history of the neighborhood or city. It was neither the first nor the last type and was merely following a continuous pattern of residential development that continued through the 1980s after Poway became a city. The property is not known to be directly associated with events that have made a significant contribution to the history of Poway, therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: *That are associated with the lives of persons significant in our past.*

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and 12624 Oak Knoll Road. The earliest ownership information identified that Mr. and Mrs. Everett P. McMahan owned the property in 1963. The next known owners of the property were Edward K. Harmon and Joyce Juanita Harmon. The property has been owned by the

Harmon family since 1966. Edward K. Harmon was born in Arkansas in 1928. Joyce Juanita Harmon was born in Arkansas in 1931. The couple moved to Poway in 1966 and appear to have resided at 12624 Oak Knoll Road for several decades. Edward Harmon served in the US Navy, reaching the rank of Commander before retiring in 1978. Joyce and Edward Harmon worked in real estate and were active members of many local clubs and organizations. Joyce passed away in 2000 and Edward died in 2015. Despite the Harmons' role as prominent and active members of their community, research did not reveal information that would indicate Edward and Joyce Harmon are individuals considered significant in our past. Due to a lack of identified significant associations with important persons in history, 12624 Oak Knoll Road does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: *That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.*

12624 Oak Knoll Road does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a 1950s Ranch-style residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of any particular style, and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the 12624 Oak Knoll Roadould not be found. There is no known architect or firm associated with the design or development of 12624 Oak Knoll Road. There is no indication that the property is a distinguished example of work that was designed by an architect or firm recognized as unique in the field of Ranch house design or single-family residential development. 12624 Oak Knoll Road does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. 12624 Oak Knoll Road does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, 12624 Oak Knoll Road is not significant under Criterion C/3.

Criterion D/4: *That have yielded or may be likely to yield information important in prehistory or history.*

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project Site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo in 2022.

Integrity Discussion

12624 Oak Knoll Road contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been by continued development in the area, particularly in the 1990s and early 2000s, changing the setting of since the 1959 residence. The replacement of its original windows, addition of ancillary buildings, addition of a pool, and replacement of the garage door and fence impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with significant people or events in the City of Poway, thus it does not retain integrity of association. 12624 Oak Knoll Road retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property 12624 Oak Knoll Road (APN: 317-500-13-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1. *Its location is the site of a historic event having major significance to the City, State or United States.*

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that 12624 Oak Knoll Road was related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 1.

2. *Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.*

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that 12624 Oak Knoll Road was identified with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or the United States. The earliest ownership information identified that Mr. and Mrs. Everett P. McMahan owned the property in 1963. The next known owners of the property were Edward K. Harmon and Joyce Juanita Harmon. The property has been owned by the Harmon family since 1966. Edward K. Harmon was born in Arkansas in 1928. Joyce Juanita Harmon was born in Arkansas in 1931. The couple moved to Poway in 1966 and appear to have resided at 12624 Oak Knoll Road for several decades. Edward Harmon served in the US Navy, reaching the rank of Commander before retiring in 1978. Joyce and Edward Harmon worked in real estate and were active members of many local clubs and organizations. Joyce passed away in 2000 and Edward died in 2015. Despite the Harmons' role as prominent and active members of their community, research did not reveal information that would indicate Edward and Joyce Harmon are individuals considered significant in our past. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 2.

3. *Its quality as one of the finest examples in the City of the work of an architect of major importance.*

As discussed in NRHP/CRHR Criterion C/3, the building identified on 12624 Oak Knoll Road does not exemplify a fine example of the Minimal Ranch style in the City of Poway. No original building permit was found and there is no indication the residence is the work of an architect of major importance. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion

4. *Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.*

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that 12624 Oak Knoll Road was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 4.

5. *Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.*

As discussed in NRHP/CRHR Criteria C/3, 12624 Oak Knoll Road does not appear to exhibit an extraordinary class of architectural design, detail, materials or craftsmanship. It is a typical example of a ubiquitous Minimal Ranch House design. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 5.

6. *Its potential of yielding historic/cultural information of major importance.*

As discussed in NRHP/CRHR Criteria D/4, 12624 Oak Knoll Road does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project Site, please see DeCarlo 2022. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 6.

7. *Its integrity as a natural feature that has made a major contribution to the community.*

12624 Oak Knoll Road is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark has made a major contribution to the community. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 7.

8. *Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.*

12624 Oak Knoll Road does not exhibit elements of historic preservation practices that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, 12624 Oak Knoll Road does not appear significant under City of Poway Criterion 8.

Summary of Findings

12624 Oak Knoll Road (APN: 317-500-11-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district. It further does not meet any of the criteria for landmark listing by the City of Poway. As a building constructed in 1959 (after 1940), it does not meet the minimum requirements for any category of historical resource within the City of Poway. The recommended status code is 6Z: Found ineligible for NR, CR or Local designation through survey evaluation.

*B12. References:

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings_____
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 12623 Oak Knoll Road
P1. Other Identifier: Property D

*P2. **Location:** ☐ **Not for Publication** ■ **Unrestricted**
*a. **County** San Diego **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
* b. **USGS 7.5' Quad** San Diego **Date** 2021 **T** 14S; **R** 2W; SW1/4 **of** SE1/4 **of Sec** 14; San Bernardino **B.M.**
c. Address 12623 Oak Knoll Road City Poway Zip 92064
d. UTM: (Give more than one for large and/or linear resources) Zone 11N , 494603 mE/ 3645797 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN 317-501-02-00

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

12623 Oak Knoll Road is a one-story, single-family residence with an ancillary building to the rear of the property. It was constructed in 1946 (San Diego County Assessor). The residence is divided into two masses with an L-shaped plan. The front mass (long side of the L) is clad with a vertical wood board and batten. The front mass is topped by a flat roof with closed eaves. A side gable roof clad in corrugated metal with open eaves tops the second mass. [See Continuation Sheet]

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property

***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession #) Primary (north) elevation, looking southwest (DSC04599), 05/04/2022
***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both
1959 (San Diego County Assessor)
***P7. Owner and Address:**
Harmon Family Trust
2806 Fauborough Ct.
Fort Collins, CO 80525
***P8. Recorded by:** (Name, affiliation, and address)
Nicole Frank, MSHP
Dudek, 38 N Marengo Avenue,
Pasadena, CA 91101
***P9. Date Recorded:** 05/04/22
***P10. Survey Type:** (Describe)
Intensive
***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Historic Resources Technical Report: Harmon Ranch, Poway, California. Prepared July 2022.

***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record

State of California - The Resources Agency Primary # _____
DEPARTMENT OF PARKS AND RECREATION HRI# _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 12624 Oak Knoll Road ***NRHP Status Code** 6Z

Page 2 **of** 13

B1. Historic Name: 12624 Oak Knoll Road

B2. Common Name: 12624 Oak Knoll Road

B3. Original Use: Single-family residence B4. Present Use: Single-family residence

***B5. Architectural Style:** N/A

***B6. Construction History:** (Construction date, alterations, and date of alterations)

See **Continuation Sheet** for an alterations list based on archival research and on-site observation.

***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

N/A

B9a. Architect: Unknown b. Builder: Unknown

***B10. Significance: Theme** N/A **Area** N/A

Period of Significance 1939 **Property Type** N/A **Applicable Criteria** N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Property D: 12623 Oak Knoll Road (APN: 317-501-02-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of a potential or existing historic district, as demonstrated below. 12623 Oak Knoll Road further does not meet any of the criteria for landmark listing by the City of Poway as demonstrated below. The building was previously identified as Poway Historic Site 112 (Smith 1992: 6). In this identification, the property is described as a house of lath and board construction from the 1920s. The building currently on the property is a wood, board-and-batten house, which indicates the building has been substantially altered since its identification on the Poway Historic Sites list. The San Diego County Assessor recorded the year of construction as 1946, but a building appears on the earliest available historic aerial photographs of the property from 1939. It is not known if the building present in 1939 is the building currently present on the property. It is possible that the property fulfills the minimum requirements of a Category D building, which includes properties built prior to 1940 that are clearly not significant in terms of architectural style, appearance, design, construction, or association with important persons or events in City history. Therefore, Property D is of historic age, but does not appear to have significance as a historical resource. The building does not appear eligible for listing as a historical resource. The recommended status code is 6Z: Found ineligible for NRHP, CRHR or Local designation through survey evaluation. [**See Continuation Sheet**]

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See **Continuation Sheet** for full list of references.

B13. Remarks:

***B14. Evaluator:** Katie Ahmanson, MHC and Allison Lyons, MSHP

***Date of Evaluation:** 7/22/2022

(Sketch Map with north arrow required.)

(This space reserved for official comments.)

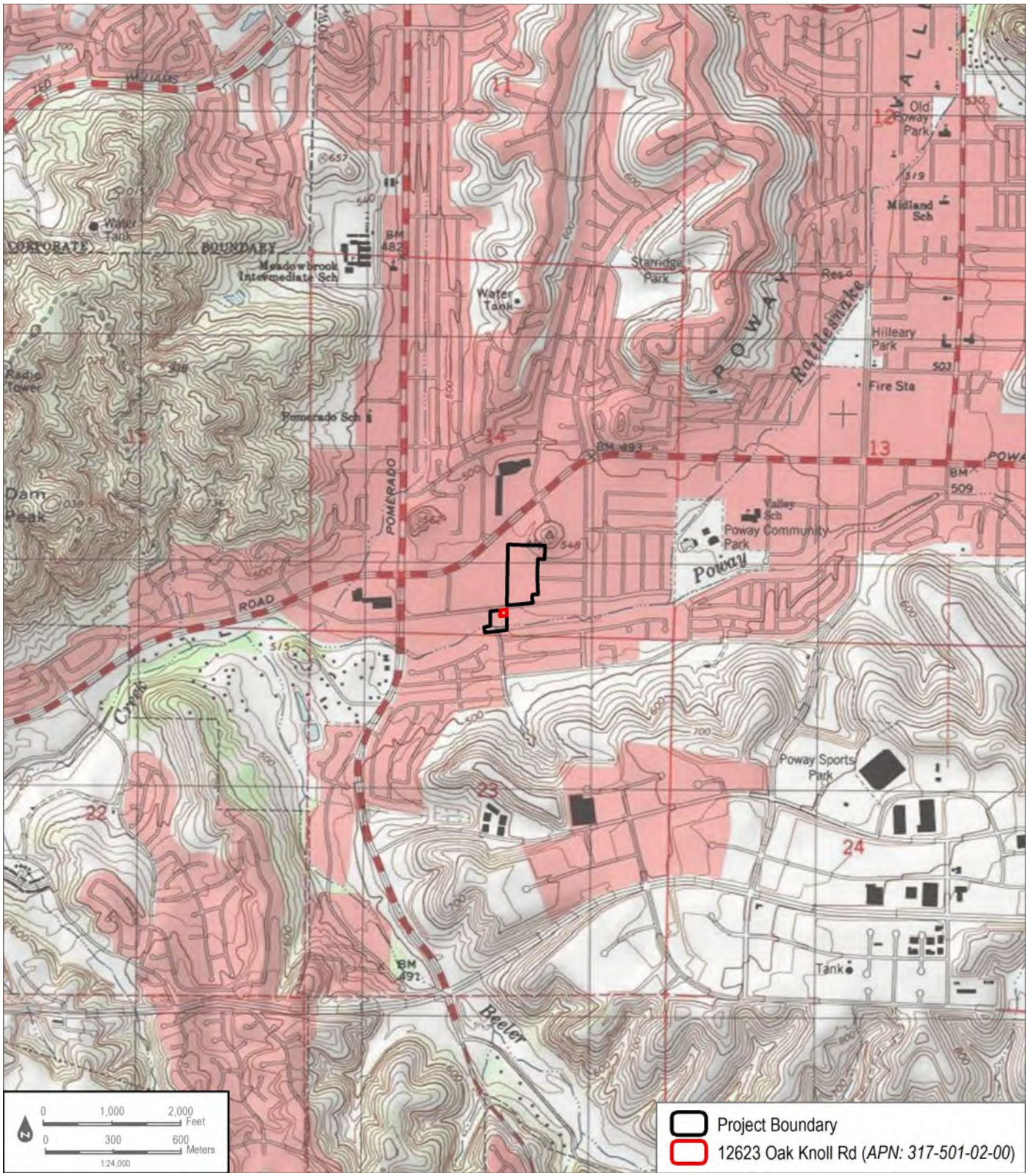
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 3 **of** 13
***Map Name:** Poway, CA

***Resource Name or #** (Assigned by recorder) 12623 Oak Knoll Road
***Scale:** 1:24,000 ***Date of map:** 2022



***P3a. Description:**

The main (north) elevation is seven bays wide and features three wood sash multilight double casement windows; a centrally located entry door obscured by an iron security door accessed by two concrete steps; and a single wood sash multilight double casement window in the sixth bay, centered between the fifth and seventh bays. The west side elevation spans four bays and includes three sliding windows in the second and fourth bays, while the east side elevation does not have fenestration. Side elevations are clad in wood board and batten. The residence is slightly raised on a concrete block foundation. A chain-link fence surrounds the property, and an unpaved driveway leads from the street to another chain-link fence that encompasses the backyard (east of the residence). The ancillary building sits on the southeast side of the property with a shed roof clad with composition shingles and double doors on the main (north) elevation (NETR, 1994). The property is in the middle of the block and the residence is set back on its parcel with an open grass lawn. Alterations to the residence appear to include the addition of fencing (date unknown), and a security door to the entry (NETR, 1994). The glazing has been removed from the wood sash window adjacent to the entrance.

***B6. Construction History** *(continued from page 2):*

The following list of known alterations to 12623 Oak Knoll Road was compiled through archival research and during the intensive survey. Unless indicated, the date of these alterations is unknown:

- Glazing removed from the wood sash window adjacent to the entrance (observed, no date)
- Addition of a rectangular ancillary building on the southeast side of the property (observed, 1994)
- Addition of security door to front entry door (observed, 2014)

***B10. Significance** *(continued from page 2):*

Historic Context

Post-Contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1846), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period when California became a territory of the United States.

Spanish Period (1769–1821)

The Spanish colonization of Alta California began in 1769 with the founding of Mission San Diego de Alcalá by Father Junípero Serra. Concerns over Russian and English interests in California motivated the Spanish government to send an expedition of soldiers, settlers, and missionaries to occupy and secure the northwestern borderlands of New Spain through the establishment of a Presidio, Mission, and Pueblo. The Spanish explorers first camped on the shore of the Bay in the area that is now downtown San Diego. Lack of water at this location, however, led to moving the camp on May 14, 1769, to a small hill closer to the San Diego River and near the Kumeyaay village of Cosoy. Father Junípero Serra arrived in July of

the same year to find the Presidio serving mostly as a hospital. The Spanish built a primitive mission and presidio structure on the hill near the river.

Bad feelings soon developed between the native Kumeyaay and the soldiers, resulting in the construction of a stockade that, by 1772, included barracks for the soldiers; a storehouse for supplies; a house for the missionaries; and a chapel, which had been improved. The log and brush huts were gradually replaced with buildings made of adobe bricks. Flat earthen roofs were eventually replaced by pitched roofs with rounded roof tiles. Clay floors were eventually lined with fired brick.

In August 1774, the Spanish missionaries moved the Mission San Diego de Alcalá to its present location 6 miles up the San Diego River valley (modern Mission Valley) near the Kumeyaay village of Nipaguay. Begun as a thatched chapel and compound built of willow poles, logs, and tules, the new mission was sacked and burned in the Kumeyaay uprising of November 5, 1775. The first adobe chapel was completed in October 1776, and the present church was begun the following year. A succession of building programs through 1813 resulted in the final plan that included the church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. Orchards, reservoirs, and other agricultural installations were built to the south on the lower San Diego River alluvial terrace and were irrigated by a dam and aqueduct system. The initial Spanish occupation and mission system brought about profound changes in the lives of the Kumeyaay people. Substantial numbers of the coastal Kumeyaay were forcibly brought into the mission or died from introduced diseases.

As early as 1791, presidio commandants in California were given the authority to grant small house lots and garden plots to soldiers and their families, and sometime after 1800, soldiers and their families began to move down the hill near the San Diego River. Historian William Smythe noted that Don Blas Aguilar, who was born in 1811, remembered at least 15 such grants below Presidio Hill by 1821, of which only five were within the boundaries of what would become Old Town had houses in 1821. These were the retired commandant Francisco Ruiz's adobe (now known as the Carrillo Adobe), another building later owned by Henry Fitch on Calhoun Street, the Ybanes and Serrano houses on Juan Street near Washington Street, and a small adobe house on the main plaza owned by Juan Jose Maria Marron.

Mexican Period (1821–1846)

In 1822, the political situation changed as Mexico won its independence from Spain, and San Diego became part of the Mexican Republic. The Mexican government opened California to foreign trade, began issuing private land grants in the early 1820s, created the rancho system of large agricultural estates, secularized the Spanish missions in 1833, and oversaw the rise of the civilian pueblo. By 1827, as many as 30 homes existed around the central plaza, and in 1835, Mexico granted San Diego official pueblo (town) status. At this time, the town had a population of nearly 500 residents, later reaching a peak of roughly 600. By 1835 the presidio, once the center of life in Spanish San Diego, had been abandoned and lay in ruins. Mission San Diego de Alcalá fared little better. The town and the ship landing area at La Playa were now the centers of activity in Mexican San Diego. However, the new Pueblo of San Diego did not prosper, as some other California towns did during the Mexican Period.

Secularization in what is now San Diego County triggered increased Native American hostilities against the Californios during the late 1830s. The attacks on outlying ranchos, along with unstable political and economic factors, lead to San Diego's population decline to approximately 150 permanent residents by 1840. San Diego's official Pueblo status was removed by 1838, and it was made a subprefecture of the Los Angeles Pueblo. When the Americans took over after 1846, the situation had stabilized somewhat, and the population had increased to roughly 350 non-Native American residents.

The Native American population continued to decline, as Mexican occupation brought about continued displacement and acculturation of Native American populations.

American Period (1846–Present)

The American Period began in 1846 when United States military forces occupied San Diego; this period continues today. When United States military forces occupied San Diego in July 1846, the town's residents split on their course of action. Many of the town's leaders sided with the Americans, but other prominent families opposed the United States' invasion. In December 1846, a group of Californios under Andres Pico engaged United States Army forces under General Stephen Kearney at the Battle of San Pasqual and inflicted many casualties. However, the Californio resistance was defeated in two small battles near Los Angeles, and effectively ended the resistance by January 1847. The Americans assumed formal control with the Treaty of Guadalupe-Hidalgo in 1848, and introduced Anglo culture and society, American political institutions, and American commerce. In 1850, the Americanization of San Diego began to develop rapidly.

On February 18, 1850, the California State Legislature formally organized San Diego County. The first elections were held at San Diego and La Playa on April 1, 1850, for county officers. San Diego grew slowly during the next decade. San Diegans attempted to develop the town's interests through a transcontinental railroad plan and development of a new town closer to the Bay. The failure of these plans, added to a severe drought that crippled ranching and the onset of the Civil War, left San Diego as a remote frontier town. These issues led to a drop in the town's population from 650 in 1850 to 539 in 1860. Not until land speculator and developer Alonzo Horton arrived in 1867 did San Diego begin to develop fully into an active American town.

Alonzo Horton's development of a New San Diego (modern downtown) in 1867 began to swing the community's focus away from Old Town and began the urbanization of San Diego. Expansion of trade brought an increase in the availability of building materials. Wood buildings gradually replaced adobe structures. Some of the earliest buildings to be erected in the American Period were "pre-fab" houses that were built on the east coast of the United States and shipped in sections around Cape Horn and reassembled in San Diego. Development spread from downtown due to a variety of factors, including the availability of potable water and transportation corridors. Factors such as views and access to public facilities affected land values, which in turn affected the character of neighborhoods that developed. During the Victorian Era of the late 1800s and early 1900s, the areas of Golden Hill, Uptown, Banker's Hill, and Sherman Heights were developed. Examples of the Victorian Era architectural styles remain in these communities, and in Little Italy, which developed at the same time. At the time downtown was being built, there began to be summer cottage/retreat development in what are now the beach communities and La Jolla area. The early structures in these areas were not of substantial construction since they were primarily built for temporary vacation housing.

Development also spread to the greater North Park and Mission Hills areas during the early 1900s. The neighborhoods were built as small lots, a single lot at a time; there was no large tract housing development in these neighborhoods. This provided affordable housing away from the downtown area, and development expanded as transportation improved. Barrio Logan began as a residential area, but because of proximity to rail freight and shipping freight docks, the area became more mixed, with conversion to industrial uses. This area was more suitable to industrial uses because land values were not as high. Topographically, the area is more level, and it does not have views like the areas north of downtown. Various ethnic groups settled in the area because of the affordability of land ownership.

San Ysidro began to be developed around the turn of the twentieth century. The early settlers were followers of the Littlelanders colonies movement. There, the pattern of development was designed to accommodate small plots of land for

each homeowner to farm as part of a farming/residential cooperative community. Nearby Otay Mesa-Nestor began to be developed by farmers of Germanic and Swiss backgrounds. Some of the prime citrus groves in California were in the Otay Mesa-Nestor area. In addition, there were grape growers of Italian heritage who settled in the Otay River Valley and tributary canyons who produced wine for commercial purposes.

San Diego State University was established in the 1920s, and the development of the State College area began, including development of the Navajo community as an outgrowth from the college area and from the west. There was farming and ranching in Mission Valley until the middle portion of the twentieth century when the uses were converted to commercial and residential. There were dairy farms and chicken ranches adjacent to the San Diego River where now there are motels, restaurants, office complexes, and regional shopping malls. There was little development north of the San Diego River until Linda Vista was developed as military housing in the 1940s, when the federal government improved public facilities and extended water and sewer pipelines to the area. From Linda Vista, development spread north of Mission Valley to the Clairemont Mesa and Kearny Mesa areas. Development in these communities was mixed-use and residential on moderate-sized lots.

Tierrasanta, previously owned by the U.S. Navy, was developed in the 1970s. It was one of the first planned developments in the area with segregation of uses. Tierrasanta and many of the communities that have developed since, such as Rancho Penasquitos and Rancho Bernardo, represent the typical development pattern in San Diego in the last 25 to 30 years: uses are well segregated, with commercial uses located along the main thoroughfares and residential uses located beyond that. Industrial uses are located in planned industrial parks.

Historical Overview of the City of Poway

Poway was first recorded in 1828 as the valley of “Paguay” in documents from the Mission San Diego de Alcala. The valley owes its name to the tribes of San Diegueno Native Americans who inhabited the valley before the arrival of the Spanish in 1769. The native name of Paguay appeared on maps, such as the Rand McNally Atlases, as late as 1869. During Spanish rule, the valley was used for pasturing mission livestock, and its inhabitants were the Spanish Padres, Mission Indians, and nomadic bands of Native Americans (Poway Historical Book Committee 1981).

The first American settler believed to have established a homestead in Poway was Philip Crosthwaite, who built an adobe house and started a ranch in 1859. However, soon after, Crosthwaite sold his ranch to the Kerran Brothers and a woman known only Mrs. Anderson, who continued to maintain the ranch until 1874. Farmers had begun to settle within the valley and in 1874, the California State Legislature passed the “no-fence” law that required ranchers to keep cattle off farmers’ property, even if the property is not bound by a fence. The Kerran ranch and others in the area were unable to comply with these rules and cattle disappeared from the landscape. Thus, the economy of the valley shifted to agriculture (Poway Historical Book Committee 1981; Granberry 1985).

By 1887, the population increased to 800 people, and the valley had a prosperous farming and dairying industry. The community had established a church, stores, school, and hotel, and there was the possibility two railroads would be built in the valley. This brought an increase in residents. The real-estate firm of Baird and Chapin was drawn to the prospects of the area. The firm planned residential communities around small parks in a subdivision plan called Piermont. However, the railroad never materialized, settlers began to leave the valley, and the subdivision was never completed (Poway Historical Book Committee 1981).

Throughout the early 1900s, inhabitants faced drought and transportation difficulties, but Poway still thrived as a farming community. The valley was known for its peaches, vineyards, grain, and alfalfa. Transportation was limited to wagons and

stagecoaches, so seeds were carried by wagon from San Diego using the old Pomerado Grade. The Poway Post Office was established in 1901 and received mail twice a day from two four-horse stagecoaches, one that traveled from Escondido every morning, and another from San Diego (Poway Historical Book Committee 1981; Stuart 1966).

Poway experienced periods of droughts that led to the decline of agriculture in the early 1900s. Although there was a local creek that supplied water fit for agriculture, the lack of easily available drinking water prevented the growth of the town until water districts formed after World War II. By 1954, the Poway Municipal Water District was created to utilize water from the Colorado River Aqueduct, and by 1957, the sewer system was completed and developers began building housing tracts. In 1971, the dam that created Lake Poway was constructed, and it became a stable source of water for the residents. At this time, Poway's economy was no longer supported by agriculture, and it instead became a residential community for people who worked throughout the San Diego Area (Poway City History).

In the 1970s, members of the community decided that Poway should become its own city. They wanted their own City Council so town decisions could be made by locals. A measure to incorporate Poway was put on a ballot in 1976, but voters were concerned that Poway would not have enough financial stability on its own, so they rejected the measure. By 1980, it was determined that Poway would be able to afford the cost of cityhood, and another election was held in November of that year. Over half the voters voted in favor of Poway becoming a city, and on December 1, 1980, it officially became the City of Poway under the motto, "The City in the Country." By 1981, Poway had its own City Council, City Hall, and Civic Center (Gorman 1985; Greeley 1981).

During the 2000s, the population of Poway steadily increased, reaching a peak in 2015 with about 50,000 citizens. Today, the population is comprised of 48,564 citizens, and Poway still maintains its rural identity as a small country city. Although the farming industry never returned, it is still a popular location for residents who work in San Diego (US Census Bureau 2022).

NRHP/CRHR Evaluation of Significance

Criterion A/1: That are association with events that have made a significant contribution to the broad patterns of our history.

Archival research of Property D did not find any associations with events that made a significant contribution to the broad patterns of history. The property is a nondescript wood frame building. There is no indication the property is associated with significant events in the City's early agricultural development, though it appears to have been constructed in the first half of the twentieth century when the area was primarily agricultural. There is no indication the property has an important association with an event or historic trends in Poway, such as post-World War II residential development. Therefore, Property D does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research did not identify any of the previous property owners and there is no indication the property has any direct association with individuals that are known to be historic figures at the national, state, or local level. Due to a lack of identified significant associations with important persons in history, Property D does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Property D does not embody distinctive characteristics of a type, period or method of construction. It is a typical example of a single-family residence. There is nothing notable or unique about its design; it does not possess the distinctive characteristics of any particular style, and is executed in common materials. An individual or firm may be defined as a master based on scholarship recognizing its work as unique or trendsetting within the discipline. The original building permit for the property could not be found. There is no known architect or firm associated with the design or development of Property D. There is no indication that the property is a distinguished example of work that was designed by an architect or firm recognized as unique in the field of house design or single-family residential development. Property D does not possess high artistic values. The last component of Criterion C, representing a significant and distinguishable entity whose components may lack individual distinction, is the most applicable to districts. Property D does not appear likely to contribute to a potential historic district, due to the lack of a cohesive grouping of intact properties in the area. Therefore, Property D is not significant under Criterion C/3.

Criterion D/4: That have yielded, or may be likely to yield information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeology resources. For more information on the archaeological resources associated with this Project site, please see the *Cultural Resource Inventory Report for the Oak Knoll Property Project* prepared by DeCarlo 2022.

Integrity Discussion

Property D contains one residence that has not been moved or relocated, thus it retains integrity of location. However, the surrounding neighborhood and streetscape have been altered since the 1946 residence was constructed with continued development in the area, particularly in the 1990s and early 2000s , so it does not retain integrity of setting. The replacement of its original windows, addition of an ancillary building, and addition of a security door to the front entry door impact its integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the effect of these changes alterations. Research did not reveal that the property has an association with people or events in the City of Poway, thus it does not retain integrity of association. Property D retains integrity of location, but longer retains integrity of setting, design, materials, workmanship, feeling, and association.

City of Poway Statement of Significance

The property at Property D: 12623 Oak Knoll Road (APN: 317-501-02-00) does not meet any of the criteria for listing by the City of Poway as demonstrated below.

1 Its location is the site of a historic event having major significance to the City, State or United States.

As discussed in NRHP/CRHR Criterion A/1, archival research did not reveal that Property D was related to historical events significant to the City of Poway and does not reflect elements associated with a historic event having major significance to the City of Poway, North San Diego County, the State of California or the United States. Therefore, Property D does not appear significant under City of Poway Criterion 1.

2 Its identification with a person or persons who have made a significant social, cultural or scientific contribution to the City, region, State or the United States.

As discussed in NRHP/CRHR Criterion B/2, archival research did not reveal that Property D was identified with a person or persons who made a significant social, cultural or scientific contribution to the City of Poway, North San Diego County, the State of California or United States. Therefore, Property D does not appear significant under City of Poway Criterion 2.

3 Its quality as one of the finest examples in the City of the work of an architect of major importance.

As discussed in NRHP/CRHR Criterion C/3, the building identified on Property D does not exemplify a fine example of an architectural style in the City of Poway. No original building permit was found and the architect who designed the residence is unknown. There is no indication the property is the work of an architect of major importance. Therefore, Property D does not appear significant under City of Poway Criterion 3.

4 Its identification as the work of a person or persons whose work has exerted a major influence on the heritage of the City, region, State or the United States.

As discussed in NRHP/CRHR Criteria A/1 and C/3, archival research did not reveal that Property D was identified with the work of a person or persons whose work has exerted a major influence on the heritage of the City of Poway, North San Diego County, the state of California or the United States. Therefore, Property D does not appear significant under City of Poway Criterion 4.

5 Its exemplification of an extraordinary class of architectural design, detail, materials or craftsmanship.

As discussed in NRHP/CRHR Criteria C/3, Property D does not appear to exhibit an extraordinary class of architectural design, detail, materials or craftsmanship. It is not an example of an architectural style. Therefore, Property B does not appear significant under City of Poway Criterion 5.

6 Its potential of yielding historic/cultural information of major importance.

As discussed in NRHP/CRHR Criteria D/4, Property D does not appear to have the potential to yield historic/cultural information of major importance. However, for more information on the archaeological resources associated with this Project site, please see DeCarlo 2022. Therefore, Property D does not appear significant under City of Poway Criterion 6.

7 Its integrity as a natural feature that has made a major contribution to the community.

Property D is a man-made building and does not contain a natural feature, such as a historic tree or important natural landmark not a natural feature that has made a major contribution to the community. Therefore, Property B does not appear significant under City of Poway Criterion 7.

8 Other attributes of the historic/cultural resource which are consistent with the Secretary of the Interior's Standards.

Property D does not exhibit elements of historic preservation that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties. This property does not appear to exhibit elements that promote historic preservation best practices developed to protect our nation's irreplaceable cultural resources. Therefore, Property B does not appear significant under City of Poway Criterion 8.

Summary of Eligibility

Property D (12623 Oak Knoll Road) does not appear to meet NRHP, CRHR, or local City of Poway criteria for historical significance. As such, the property is not considered a CEQA historical resource.

Exhibit 1. 12623 Oak Knoll Road. Primary (north) elevation and west elevation, looking southeast (DSC04597)

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Appendix B
Preparers' Qualifications

Katie Ahmanson, MA

ARCHITECTURAL HISTORIAN

Katie Ahmanson (*KAY-tee AH-mun-son; she/her)* is an architectural historian with two years' experience in the field of architectural history and heritage conservation. She has experience with Historic Cultural Monument and National Register of Historic Places (NRHP) nominations, historic context statements, building descriptions, and California Department of Parks and Recreation (DPR) 523 forms. Ms. Ahmanson has familiarity with environmental compliance documentation in support of projects that fall under the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA), and Sections 106 and 110 of the National Historic Preservation Act.

Education

University of Southern California School of Architecture
MA, Heritage Conservation, 2022

Claremont McKenna College
BA, Art History, 2019

Project Experience

Los Angeles County Florence-Firestone Community Plan Area Historic Resources Survey, Los Angeles County, California. Dudek was retained by the County of Los Angeles Department of Regional Planning to prepare a Historic Context Statement and conduct a Historic Resources Survey for the Community Plan Area of Florence-Firestone. The goal of the project is to document the development history of the community from the rancho period to the present, identify important themes, events, patterns of development, and describes the different property types, styles, builders, and architects associated with these important periods and themes. The document will also provide registration requirements and recommendations for future study/action by the County of Los Angeles to facilitate and streamline the historic preservation program. As an architectural historian, Ms. Ahmanson completed field work and contributed to a Historic Resources Survey report. (2022)

Oak Knoll Road, Poway, San Diego County, California. Dudek was retained to complete a historical resources evaluation for a residential development project in the City of Poway. The Project proposes the development of the 10.72-acre property into a residential development within an existing residential neighborhood. As an architectural historian, Ms. Ahmanson co-authored the technical report, wrote building descriptions and significance evaluations, and completed archival research for the project. (2022)

Relevant Previous Experience

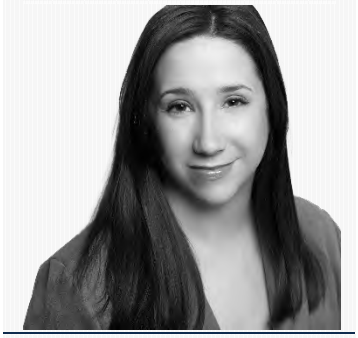
Preservation Intern, Hollywood Heritage, Hollywood, California. As an intern, managed general office administrative work, maintained and regularly updated the Preservation Sub-Committee to-do and watch lists, set the weekly Admin meeting and monthly Preservation Committee meeting and agendas, and recorded the meeting minutes. Additionally, organized developer and resident meetings, monitored and tracked relevant public hearings and schedules for Hollywood Heritage issues, and attended public hearings and meetings on behalf of Hollywood Heritage. Assisted residents and concerned parties seeking to designate historic resources and helped prepare nominations for city, state and national designations, such as the Historic Cultural Monument nomination for the Home Savings and Loans on 1500 Vine St. in Hollywood, which passed as a designated monument June 2, 2022. (2021–2022)

Architecture Research Assistant, SPF: Architects, Culver City, California. As a research assistant, researched and collected information about projects and wrote for the company website. In addition, organized content about past and ongoing projects, digitally archived old plans and documents, organized contact lists, and composed press releases for new projects and firm announcements. Aided in making architecture models and model accessories. (2019–2020)

Intern, Frederick Fisher and Partners, Los Angeles, California. As the office intern, archived old plans and documents and scanned documents and digitally archived published materials. In addition, worked with the marketing team to organize contact lists and research competing firms. Also assisted the front desk with answering the phone, welcoming guests, and office cleanup and organization. (2018)

Claire Cancilla, MSHP

ARCHITECTURAL HISTORIAN



Claire Cancilla (KLAIR *Kan-sil-uh; she/her*) is an Architectural Historian with 3 years' professional experience that encompasses a wide variety of project types in varied geographic locations, including Los Angeles, Laguna Beach, Agoura Hills, Baldwin Park, Poway, Riverside, San Diego, Glendale, Pasadena, Sequoia National Park, New York City, and Venice, Italy. She has completed historic significance evaluations in consideration of the National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and local designation criteria for single-family residences, commercial properties, educational institutions, warehouse and industrial properties, and municipal facilities. Additional project experience includes writing national register and local register nominations, conducting historic archival research, performing conditions assessments and reconnaissance surveys, conducting CEQA impacts analyses, preparing environmental impact report (EIR) sections, and conducting design reviews under the Secretary of the Interior's Standards. She meets the Secretary of the Interior's Professional Qualification Standards for Architectural History.

Education

Columbia University
MS, Historic Preservation, 2020

Occidental College
BA, History, 2016

Dudek Project Experience

Los Angeles County Metro Area Plan Project, Los Angeles County, California. Dudek was retained by the County of Los Angeles Department of Regional Planning to prepare a Historic Context Statement (HCS) in support of the Metro Area Plan (MAP) project. The goal of the HCS component of the project is to inform, enhance, and streamline the larger MAP project as it pertains to historical resources. The communities included within the MAP HCS include East Los Angeles, East Rancho Dominguez, Florence–Firestone, Walnut Park, West Athens–Westmont, West Rancho Dominguez–Victoria, and Willowbrook. The HCS documents the development history of the communities from the rancho period to the present; identifies important themes, events, and patterns of development; and describes the different property types, styles, builders, and architects associated with these important periods and themes. The document will also provide registration requirements and recommendations for future study/action by the County of Los Angeles to facilitate and streamline the historic preservation program. Responsibilities include report section preparation and archival research. (2021–Present)

Kaiser Baldwin Park Medical Center Project, Top Commercial Realty, Baldwin Park California. Dudek was retained to complete a Built Environment Inventory and Evaluation Report for a proposed project involving the development of the Kaiser Baldwin Park Medical Center. Ms. Cancilla co-authored a Built Environment Inventory and Evaluation Report for a 1970s vernacular commercial building. (2022).

Arlington Avenue Historic Resources Technical Report, Foulger Pratt, Riverside, California. Dudek was retained to complete a Historic Resources Technical Report on a Mid-Century Modern former Sears Department Store in the city of Riverside, California for a proposed redevelopment. Ms. Cancilla contributed to the significance evaluation and historic contexts for the technical report. (2022).

Oak Knoll Road, Poway, San Diego County, California. Dudek was retained to complete a historical resources evaluation for a residential development project in the City of Poway. The Project proposes the development of the 10.72-acre property into a residential development within an existing residential neighborhood. As an architectural historian, Ms. Cancilla contributed to the significance evaluation and historic contexts for the technical report. (2022)

Relevant Previous Experience

Mayfield Junior School Historic Resource Assessment, City of Pasadena, California. Primary author of a historic resource assessment (HRA) for two mid-century educational buildings on the Mayfield Junior School campus. Work involved archival research, survey and documentation of the buildings and campus, and an evaluation of both buildings' eligibility under local, state, and federal criteria. (2022)

Silver Lake Reservoir Complex Master Plan EIR, City of Los Angeles, California. Conducted a site survey of the Silver Lake Reservoir, documenting character-defining features of the complex and conducting a direct, indirect, and cumulative impacts analysis for a proposed master plan. Work involved identifying all previously recorded historic built environment resources within 0.25-mile of the complex's perimeter for the impacts analysis. (2022)

Project Crossings Redevelopment HRA and EIR Section, Apple Inc., Los Angeles and Culver City, California. Primary author of an HRA for three industrial buildings, located on the boundary between Los Angeles and Culver City. All buildings were evaluated under both cities' local evaluation criteria. Conducted a direct, indirect, and cumulative impacts analysis, analyzing potential effects of the proposed redevelopment on adjacent built environment resources and prepared an EIR section for the project (2021–2022)

Heritage Park Rehabilitation Project, City of San Diego, California. Conducted research and updated Department of Parks and Recreation (DPR) forms for seven Victorian-era buildings located in San Diego's Heritage Park in anticipation of a forthcoming rehabilitation project. The residences were moved to the park in the 1970s and 1980s due to their impending demolition. (2022)

446 26th Street DPR Form, San Diego Unified School District, San Diego California. Conducted research and completed DPR forms for a 1970 vacant former hospital facility in San Diego. Documented the history of the building and its various owners and functions and analyzed the building within the context of the federal Model Cities Program, which provided funding for the building's original construction. (2022)

2720 Monte Mar Terrace Historical Consulting Services, Confidential Client, Los Angeles, California. Conducted research on the history and development of 1920s Tudor Revival residence and provided consulting services to the homeowners to help guide a potential new addition to the residence. (2022)

7 Oakmont Drive Character-Defining Features Analysis, Confidential Client, Los Angeles, California. Conducted a site visit at the Paul Revere Williams Los Angeles Historic-Cultural Monument (LAHCM) residence, photographically documenting all elevations to identify character-defining features of the residence. Compiled a table of character-defining features and provided preservation recommendations and treatments in anticipation of a rehabilitation and exterior addition to the residence. (2021)

Kun House II LAHCM, Confidential Client, Los Angeles, California. Co-authored an LAHCM nomination for a Richard Neutra-designed residence. Kun House II is located across the street from Kun House I, another Neutra-deigned home for the same client. Work involved conducting archival research at the University of California Los Angeles, surveying the residence, and contextualizing the home within the body of Neutra's residential work to argue for the home being an excellent example of Neutra's small-scale residential design. (2021)

989 Cliff Drive HRA and Impacts Analysis, Confidential Client, Laguna Beach, California. Authored an HRA for a 1920s Mediterranean Revival beach house that was identified in Laguna Beach's historic resources survey. Research involved an extensive alteration history using plans from renovations and historic photographs, a site visit, and research on the development of the area and the house's inhabitants. Further conducted a direct and indirect impacts analysis for a proposed garage renovation and addition on the project site. (2021)

28307 Agoura Road HRA and HABS III Documentation, Confidential Client, Agoura Hills, California. Authored an HRA on a 1940s vernacular commerical property in Agoura Hills. Researched the rural character and history of Agoura Hills, conducted research at the Agoura Hills Library and Bulding Division, identified occupants, and assessed eligiblity. Upon completion of the HRA, assisted HABS III documentation for the property prior to its redevelopment. (2021)

Marine Drive HRA and Impacts Analysis, Confidential Client, Laguna Beach, California. Authored an HRA for a single-family 1920s Craftsman residence on Marine Drive. Researched the original property owner, who was a founder of the Orange County Register, and the early beachfront development of Laguna Beach, and conducted an integrity analysis of the home using historic photographs and on-site observation. (2021)

Edgemont Street Los Angeles Historic Cultural Monument Nomination, Confidential Client, Los Angeles, California. Drafted an LAHCM nomination for an American Colonial Revival courtyard garden apartment complex located on the boundary between Los Feliz and East Hollywood. Contextualized the apartment complex within the courtyard apartment typology and as an example of the work of a prolific construction company that designed several other courtyard apartment buildings in Los Angeles. (2021).

5654 Fountain Avenue HRA, Confidential Client, Los Angeles, California. Primary author of an HRA for an American Colonial Revival residential duplex in Hollywood constructed in 1919. Documented the building's history; conducted extensive reserach on the building, its site, and neighbohrood development; and analyzed the building's material and design integirty. (2021)

Powers Street Mosque National Register Nomination, Williamsburg, Brooklyn, New York. Authored a National Register nomination for the Powers Street Mosque, the oldest extant mosque in New York City. The mosque, originally constructed as an Episcopalian church, was founded in 1931 by the American Mohammed Society, formed by Lipka Tatar Muslims, many of whom immigrated to Brooklyn from Lithuania. Researched the property's history, both before its use as a mosque and after; interviewed the mosque's caretaker whose family was involved in the mosque's founding; and conducted photographic documentation. (2020)

Victoria Theatre Historic Resource Report, Confidential Client, Harlem, New York. Authored a historic resource report documenting the development history of the Victoria Theatre, located on 125th Street in Harlem, New York and designed by architect Thomas Lamb. Conducted research trips to archival repositories to document the theater's history, analyzed the theater within the context of Harlem's historical development, and identified additional theaters in the area designed by Lamb. The report provided the basis for an interpretive exhibit in the theater's lobby. (2020)

Awards

Zabar Family Scholarship, Preservation League of New York State, 2020.

Cleo and James Marston Fitch Prize, Columbia University Preservation Alumni, 2019.

Avery Scholarship, Columbia University Graduate School of Architecture, Planning, and Preservation, 2018–2020.

Nicole Frank, MSHP

ARCHITECTURAL HISTORIAN

Nicole Frank (*nih-COHL FRAYNK; she/her*) is an architectural historian with 4 years' experience in the historic preservation field. Ms. Frank's professional experience encompasses a variety of projects for local agencies, private developers, and homeowners in both highly urbanized and rural areas. Projects have included reconnaissance-level surveys, preparation of resource-appropriate and citywide historic contexts, and historical significance evaluations in consideration of the National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and local designation criteria. Ms. Frank has experience conducting historic research, writing landmark designations, performing conditions assessments, and working hands-on in building restoration projects throughout the United States. Ms. Frank also has governmental experience with the City of San Francisco's Planning Department and the City of Chicago's Landmark Designations Department.

Ms. Frank meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to Title 36, Part 61, of the Code of Federal Regulations, Appendix A.

Education

The School of the Art Institute of Chicago
MS, Historic Preservation, 2018

The College of Charleston
BA, Historic Preservation and Art History, 2016

Professional Affiliations

California Preservation Foundation

Association for Preservation Technology (APT)

Encinitas Preservation Association

Selected Experience

Coronado Citywide Historic Resources Inventory and Historic Context Statement, City of Coronado, California. Dudek is currently in the process of preparing a historic context statement and historic resources inventory survey for all properties at least 50 years old within City of Coronado limits. Following current professional methodology standards and procedures developed by the California Office of Historic Preservation and the National Park Service, Dudek will develop a detailed historic context statement for the City that identifies and discusses the important themes, patterns of development, property types, and architectural styles prevalent throughout the City. Dudek will also conduct a reconnaissance-level survey of all properties within City limits that are at least 50 years old to identify individual properties and groupings of properties (i.e., historic districts) with potential for historical significance under City Criterion C (properties that possess distinctive characteristics of an architectural style; are valuable for the study of a type, period, or method of construction; and have not been substantially altered) Acting as architectural historian, authored the historic context statement and conducted reconnaissance-level surveys of properties within City limits. (2019–Present)

As-Needed Historic Research Consulting Services, City of Coronado, California. Dudek was retained by the City of Coronado to provide as-needed historic consulting services for various projects. Each evaluation involved the creation of an occupancy timeline, supplemental research on occupants, building development research (including architects, builders, and property), a pedestrian survey of the project area, creation of a description of the surveyed resource, and completion of a historical significance evaluation report in consideration of designation criteria and integrity requirements. Acting as project manager and architectural historian, authored

historical resource evaluation reports for the following properties: 936 J Avenue, 310 2nd Street, 718 B Avenue, 1027-1029 Orange Avenue, 735 Margarita Avenue, 519 Ocean Boulevard, 1901 Monterey Avenue, 269 Palm Avenue, 1113 Adella Avenue, 1519 4th Street, 745 A Avenue, 451–55 Alameda Boulevard, 503 10th Street, 121 G Avenue, 1152 Glorietta Boulevard, 711 Tolita Avenue, 951 G Avenue, 817 A Avenue, 625 B Avenue, 260 D Avenue, 761 I Avenue, and 816 1st Street. (2019–Present)

Senior Residences at Hillcrest Project, DFA Development, San Diego, California. Dudek was retained by DFA Development to prepare a Historic Properties Inventory Report for the project, which proposes to develop a 68-unit, affordable senior housing community located in the Hillcrest neighborhood of San Diego. The project site is partially developed with existing buildings for preschool services associated with the adjacent University Christian Church and a parking lot. The project is proposing to receive U.S. Department of Housing and Urban Development project vouchers issued to the San Diego Housing Commission and is therefore required to undergo a National Environmental Policy Act (NEPA) analysis for receiving federal funding. Acting as architectural historian, co-authored the technical report and conducted a pedestrian survey of the site. (2020–2021)

Sycuan Fee to Trust Project, Sycuan Band of the Kumeyaay Nation Reservation, Unincorporated San Diego County, California. The Sycuan Band of the Kumeyaay Nation Reservation retained Dudek to complete a Historic Properties Inventory and Evaluation Report for the proposed project, located within the vicinity of El Cajon, California, in unincorporated San Diego County. The project proposes a fee-to-trust transfer of five parcels that cumulatively total approximately 40 acres. The transfer of land from the Sycuan Band to the Bureau of Indian Affairs (the federal lead agency) would include several parcels. Dudek's report included development of a project APE map; the relevant results of a California Historical Resources Information Systems records search and background research; a pedestrian survey of the APE for built environment resources; and a historical significance evaluation of all properties more than 50 years of age within the APE, in consideration of potential adverse effects to historic properties under Section 106 of the National Historic Preservation Act. The evaluation found that Properties 1, 2, 4, and 5 were not eligible for the NRHP at the individual level or as part of a larger historic district. As a result, no historic properties were identified within the APE, and Dudek recommends a finding of No Historic Properties Affected. As architectural historian, conducted background research and a pedestrian survey. (2021)

Southern First Aqueduct Structures Rehabilitation Project, San Diego County Water Authority, California. Dudek was retained by the San Diego County Water Authority to conduct a Phase I Cultural Resources (including both archaeological and built environment) Inventory for the Southern First Aqueduct Rehabilitation Project, located along a 21-mile stretch of the First San Diego Aqueduct, east of Interstate 15 from the City of Escondido in the north to the Goodan Ranch/Sycamore Canyon County Preserve west of San Vicente Reservoir. As part of this effort, the San Diego Water Authority will be applying for a Letter of Permission under its Programmatic Master Plan Permit with the United States Army Corps of Engineers, pursuant to Section 404 of the Clean Water Act. The United States Army Corps of Engineers is the federal lead agency responsible for overseeing compliance with Section 106 of the National Historic Preservation Act, as this project is exempt from review under CEQA. Acting as architectural historian, co-authored the Phase I Cultural Resources Inventory Report and authored the analysis of potential adverse effects. (2021)

Enclave at Ivanhoe Ranch Project, Vance & Associates, Rancho San Diego, California. Dudek was retained by Vance & Associates to complete a Historical Resources Technical Report in support of the proposed project, a residential development project. The project site totals approximately 121.9 acres in Rancho San Diego. Included in the project site is a historic-era complex of horse ranch buildings and accompanying residences, located at 3256, 3261, 3263, 3267, and 3269 Ivanhoe Ranch Road (APNs 518-030-41, 518-030-43, 518-030-44, and 518-030-45), which were evaluated for historical significance. This study was conducted in accordance with Section 15064.5(a)(2)-(3) of CEQA guidelines, and the project site was evaluated in consideration of NRHP, CRHR,

and County of San Diego Historic Preservation Ordinance and resource protection ordinance requirements. Acting as architectural historian, co-authored the technical report and conducted a pedestrian survey of the site. (2020)

Shawnee/CG7600 Master Plan Redevelopment Project, Palmer Mission Gorge Properties, LP, San Diego, California. Dudek was retained by Palmer Mission Gorge Properties, LP, to conduct a Potential Historical Resource Review (in accordance with Information Bulletin 580) for four properties more than 45 years old within the City of San Diego. Acting as architectural historian, conducted a photographic survey of the four properties within the project site. Updated three 2011 DPR Series 523 Forms and created a new DPR form for a previously unrecorded property within the project site. (2020)

University of California (UC) San Diego, Future College Living and Learning Neighborhood, UC San Diego Campus Planning Office, California. Dudek was retained by UC San Diego Campus Planning Office to conduct a visual analysis for the proposed project, which would consist of five housing buildings providing an additional 2,000 beds to serve the student population of the UC San Diego campus. As architectural historian, conducted a field visit to gain a better understanding of the visual environment of the project site and surrounding area. (2020)

Historic Context Statement for Reservoirs, City of San Diego Public Utilities Department, California. Dudek was retained by the City of San Diego Public Utilities Department to complete a survey and historic context statement for the City's surface water storage system, including 10 dam complexes and the Dulzura Conduit. Dudek also prepared detailed impacts assessments for proposed modification to dams, as required by the Department of Safety of Dams. The project involves evaluation of 10 dam complexes and conduit for historical significance in consideration of NRHP, CRHR, and City designation criteria and integrity requirements. The evaluation required extensive archival research and a pedestrian survey. Acting as architectural historian, evaluated five resources, including the Dulzura Conduit, Upper Otay Dam, Murray Dam, Sutherland Dam, and Miramar Dam. (2020)

Mira Mesa Community Plan Area Historic Context Statement and Focused Reconnaissance Survey, City of San Diego, California. Dudek was retained by the City of San Diego to prepare a historic context statement identifying the historical themes and associated property types important to the development of Mira Mesa, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the Mira Mesa Community Plan Area (CPA). This study was completed as part of the comprehensive update to the Mira Mesa CPA and Programmatic Environmental Impact Report. While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between 1969 and 1990. Acting as architectural historian, co-authored and completed the historic context statement, the survey document, and all associated archival research efforts. (2020–Present)

University CPA Historic Context Statement and Focused Reconnaissance Survey, City of San Diego, California. Dudek was retained by the City of San Diego to prepare a historic context statement identifying the historical themes and associated property types important to the development of the University CPA, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the University CPA. This study was completed as part of the comprehensive update to the University CPA and Programmatic Environmental Impact Report. While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between the 1960s and 1990s. Acting as architectural historian, co-authored and completed the historic context statement, the survey document, and all associated archival research efforts. (2020–Present)

Allison Lyons, MSHP

SENIOR ARCHITECTURAL HISTORIAN

Education

Columbia University, MS, Historic Preservation, 2010

Scripps College, BA, European Studies, 2006

Allison Lyons (*AL-ih-suhn LYE-ons; she/her*) is an architectural historian with 12 years' experience throughout the western United States in all elements of cultural resources management. Her expertise includes the preparation of environmental compliance documents in accordance with the California Environmental Quality Act (CEQA) and Section 106 of the National Historic Preservation Act, focusing on the evaluation of historical resources and analysis of project impacts. As a historic preservation consultant, she has been involved in the preparation of numerous large-scale historic resources surveys, Historic American Buildings Survey/Historic American Engineering Record recordation, Federal Rehabilitation Tax Credit and Mills Act Historic Property Contract applications, local landmark nominations, and evaluations of eligibility for a wide variety of projects and property types throughout California. She is highly experienced in writing National Register of Historic Places (NRHP) nominations and historic context statements for local governments.

Ms. Lyons meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to Title 36, Part 61, of the Code of Federal Regulations, Appendix A.

Selected Experience

City of Coronado Historic Context Statement and Historic Resources Inventory, City of Coronado, California. Dudek is currently in the process of preparing a historic context statement and historic resources inventory survey for all properties at least 50 years old within City of Coronado limits. Following current professional methodology standards and procedures developed by the California Office of Historic Preservation and the National Park Service, Dudek developed a detailed historic context statement for the City that identifies and discusses the important themes, patterns of development, property types, and architectural styles prevalent throughout the City. Dudek also conducted a reconnaissance-level survey of all properties within City limits that are at least 50 years old to identify individual properties and groupings of properties (i.e., historic districts) with potential for historical significance under City Criterion C (properties that possess distinctive characteristics of an architectural style; are valuable for the study of a type, period, or method of construction; and have not been substantially altered). This document also developed registration requirements for resource evaluation that are specific to Coronado, in consideration of both historical significance and integrity requirements. Acting as senior architectural historian, reviewed and authored sections of the historic context statement. (2019–Present)

As-Needed Historic Research Consultant On Call Services, Coronado, California. Dudek is currently working with the City of Coronado Community Development Department to provide historic preservation services on an as-needed basis. Services scoped under the current contract include historic resources surveys; archival research; preparation of evaluation reports in consideration of National Register of Historic Places, California Register of Historical Resources, and City of Coronado designation criteria; attendance at Historic Resource Commission and City Council hearings; and review of projects for conformance with the Secretary of the Interior's Standards for Rehabilitation. Since January 2019, Dudek has completed 20 work orders for the city. Ms. Lyons serves as a

senior architectural historian for the historical resource evaluation task orders and is responsible for quality assurance/quality control of specific deliverables. (2021–Present)

Los Angeles Department of Water and Power Century Trunk Line, Los Angeles Department of Water and Power, City of Los Angeles, California. Dudek was retained by Los Angeles Department of Water and Power to prepare an Avoidance and Protection Plan for Air Raid Siren No. 150. The resource is eligible for the NRHP and California Register of Historical Resources and as a City of Los Angeles Historic-Cultural Monument under Criteria A/1/1 and C/3/3 for its association with World War II and Cold War military infrastructure, and is a historical resource under CEQA. Ms. Lyons is serving as a senior architectural historian, providing quality assurance/quality control for the Post-Construction Monitoring Report. (2021–Present)

8730 Sunset Boulevard Billboard Project Historical Resource Assessment Report, City of West Hollywood, California. The 8730 Sunset Boulevard Billboard Project consists of installation and operation of a new billboard and associated façade improvements at the existing "Sunset Towers" building. The Sunset Towers building at 8730 Sunset Boulevard was constructed in the 1950s and 1960s over the course of two phases. A smaller building was constructed on the northern portion of the parcel between 1957 and 1959. Dudek was retained by the City of West Hollywood to complete this Historic Resource Assessment, an intensive-level evaluation, as part of the environmental review of the proposed project in compliance with CEQA. This study included an intensive survey of the exterior of the Sunset Towers building by a qualified architectural historian; building development and archival research; development of an appropriate historic context; and evaluation of the Sunset Towers building for historical significance and integrity in consideration of NRHP, CRHR, and City of West Hollywood Cultural Heritage Preservation Ordinance designation criteria. Ms. Lyons served as a senior architectural historian and main author of the Historic Resource Assessment of the Sunset Towers building. (2021)

676 Moss Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Chula Vista, California. Ms. Lyons completed a historical resource evaluation and impacts analysis for a redevelopment site of industrial buildings in Chula Vista. She also identified the potential for the project to cause indirect and/or cumulative impacts to adjacent historical resources. (2020)

North Beach Historic District National Register of Historic Places Nomination and Plaque Program, San Clemente, California. Founded in 1925, San Clemente was one of the first new master-planned towns in California. The North Beach Historic District occupies a prominent location as the historic northern tip of the City of San Clemente along North El Camino Real. The North Beach Historic District was listed on the National Register of Historic Places at the local level of significance under Criterion A in the areas of Community Planning and Development and Entertainment/Recreation. The district features five historic contributing resources designed in the Spanish Colonial Revival style with a period of significance between 1927-1946. Ms. Lyons served as project manager for the National Register of Historic Places nomination of the district and a concurrent, Certified Local Government (CLG) grant-funded project with the City of San Clemente to create content and designs for signage across the district and informational postcards featuring historic images. (2020)

Athens Park Aquatics Facility Renovation Project Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Los Angeles, California. The County of Los Angeles proposed a rehabilitation project at the Aquatics Facility at Athens Park, a park determined eligible for listing in the National Register of Historic Places. Ms. Lyons worked with the architect for the project on two phases of work. In advance of the development of project plans, Ms. Lyons prepared a Preservation Plan for the Aquatics Facility to establish the opportunities and constraints for the rehabilitation. After project plans were prepared, Ms. Lyons reviewed the project plans for compliance with the Secretary of the Interior's Standards for Rehabilitation and made recommendations for modifications to ensure the project plans complied with the Standards. (2020–2021)

Long Beach Airport Section 106 Review, Historic Property Evaluation Report, Long Beach, California. The Long Beach Airport Terminal Area Improvement Project is a multi-phase project that includes the construction of buildings and structures surrounding the existing passenger Terminal Building. The project includes the rehabilitation of the Terminal Building in compliance with the Secretary's Standards for the Treatment of Historic Properties. Ms. Lyons prepared a Historic Property Evaluation Report for Long Beach Airport Terminal Building, seeking State Historic Preservation Officer concurrence on the Area of Potential Effects (APE) for airport and assessment of impacts for the rehabilitation of the historic Terminal Building. Additional work in subsequent phases of the project included additional assessment of impacts for the Quick-Turnaround rental car lot. (2018–2020)

SurveyLA, Los Angeles Citywide Historic Context Statement, Los Angeles, California. Los Angeles's citywide historic context statement provides the framework for identifying and evaluating the City's historic resources. The document, created as part of SurveyLA, identifies important themes in the City's history and development. In addition to work on the fieldwork surveys, Ms. Lyons conducted research and authored several themes within the context. She was the lead author for two themes addressing architectural styles and all sub-themes: "Period Revival, 1919-1950" and "Late 19th and Early 20th Century Residential Architecture, 1865-1950." She also contributed to themes developed for two ethnic and cultural communities in Los Angeles. For the "African-Americans in Los Angeles" theme she wrote sub-themes on "Health and Medicine" and "Social Clubs." For the theme addressing "Jews in Los Angeles," she wrote sub-themes on "Religion and Spirituality," "Social Clubs," and the "Entertainment Industry." Ms. Lyons also peer-reviewed "American Colonial Revival, 1895-1960." During Group 1 surveys she identified and named a sub-theme "Asian Eclectic, 1920-1980," which was later developed for the "Exotic Revival, 1900-1980" theme. (2015–2019)

Angel's Landing Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons worked with attorneys for the development team behind Angel's Landing, a proposed 64-story skyscraper and a 42-story high-rise located between Bunker Hill and the Historic Core of downtown Los Angeles. Ms. Lyons prepared a historic resource evaluation and impacts analysis for the vacant project site. The evaluation involved the identification of historical resources in the vicinity and assessment of impacts on numerous adjacent historical resources and historic districts listed on the NRHP, including Angel's Flight funicular railway and the Broadway Theater and Commercial District. (2018–2020)

Artisan, 1520 Ivar Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The Artisan project involved the construction of a 25-story residential and commercial tower in the center of Hollywood. The project site was mostly a vacant surface parking lot. Ms. Lyons verified that the project site did not contain historic resources and would not have a significant impact on adjacent properties identified as historic resources. Ms. Lyons prepared a Historic Resource Evaluation Report and analysis of project impacts using the Secretary of the Interior's Standards. She also participated in public outreach with Hollywood Heritage. (2018–2021)

Vista Irrigation District Reservoirs E2 and F Historical Resource Evaluation Historical Resource Evaluation Report, Vista, California. Ms. Lyons evaluated components of a historic irrigation district in northern San Diego County. Two concrete reservoirs dating to the early twentieth century were recorded and evaluated for historical significance. The significance evaluation included conducting fieldwork and archival research for the reservoirs and completion of a historic context. The reservoirs were evaluated for historical significance and determined not eligible for inclusion in the National Register of Historic Places, California Register of Historic Resources, or the County Register. (2015)

James K. Van de Kamp (La Loma Road) Bridge Rehabilitation Historic American Engineering Record (HAER)-like documentation, Pasadena, California. Ms. Lyons prepared a Historic American Engineering Record (HAER) report

for the historic La Loma Road bridge in the Arroyo Parks and Recreation National Register Historic District. The report was completed as mitigation in compliance with Section 106. Ms. Lyons' contributions included the preparation of a written historical and descriptive data report as well as coordinating the photographic documentation. Since renamed the John K. Van de Kamp Bridge, the project received a Preservation Design Award from the California Preservation Foundation and a Historic Preservation Awards from the City of Pasadena's Historic Preservation Commission. (2015)

Sunkist Building Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Los Angeles, California. The Sunkist Building was designed by the master architecture firm A.C. Martin and Associates in 1970. The distinctive brutalist building is shaped like an inverted pyramid and surrounded by expansive surface parking lots. As part of a proposed residential development for the parking lots, Ms. Lyons completed a historic resource evaluation of the Sunkist Building and analyzed the impacts of new buildings proposed as part of the site redevelopment plan. Ms. Lyons participated in substantial design collaboration with the development team. (2013–2015)

Appendix C
Consultation with Brian Smith

Allison Lyons

From: BRIAN SMITH <bsmith@bfsa-ca.com>
Sent: Wednesday, December 7, 2022 5:27 PM
To: Allison Lyons
Cc: Ranie Hunter; Vanessa Scheidel; David Shepherd; Chuck Cater
Subject: Re: Historical Resources Impacts for 12702 Oak Knoll Rd, Poway

Hello Allison, nice to meet you. (And Hello again to Ranie and Chuck — have not talked with you two in a long time!)

Of course, I am not a branch of the Poway Planning Department, but I am flattered that David directed you to me for an opinion. Based on the historic structure inventory we did for the City 30 + years ago, we know that the Big Stone and Cobblestone architectural styles are significant to the historic fabric of Poway. Even in a modified state, most cobblestone structures built following the Great Depression have sufficient commonality in characteristics that they contribute to a poorly-defined historical district in the southwest portion of the City. I'm not sure I understand if you have made a determination about the historic significance of the structure, but I would certainly regard it as important and a contributing element to the City's history. Regarding the question about sufficient buffer between the historic structure and a new development, the key is the potential to impact the integrity of setting. If another multi-story apartment complex is planned directly behind the residence, then you would need to address the loss of integrity of setting. Any proposed buffer is subjective, but I would suggest that a visual buffer of trees might separate the structure from the new mass of building that I assume is planned.

If Lennar (David Shepherd) would like to retain BFSA to assist with any City discussions or provide additional assistance with the historic issue, just let me know. Always glad to help.

Regards,

Brian

Brian F. Smith, President

BFSA Environmental Services
14010 Poway Road, Suite A
Poway, California 92064

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On Dec 6, 2022, at 4:13 PM, Allison Lyons <alyons@dudek.com> wrote:

Caution! This message was sent from outside your organization. Allow sender | Block sender

Brian,

David De Vries asked Dudek to reach out to you about next steps for a project that includes a Poway Historic Site List property: the Harmon House or Stone House, located at 12702 Oak Knoll Rd. The building was constructed 1933-1940. A rear addition was constructed c. 1974. We are trying to determine an appropriate buffer or distance from the rear addition to proposed new construction.

Dudek evaluated the property and found that it meets City of Poway **Category C**: Structures, buildings, sites, or objects in this category must have one of the following characteristics:

1. It is a good example of a period of architecture design or construction; however, the design is more commonplace and there are many similar structures, buildings, sites or objects in the City;
2. It is an important resource; however, substantial alterations have severely compromised its historic, cultural, or architectural significance.

David De Vries has advised us to notify you and the Poway Historical Society of our finding.

Our understanding is that Category C corresponds to a status code of **6Z**. If so, we do not need to review project plans for impacts to a historical resource (as there are no historical resources). Can you please let us know if you have availability to discuss next steps for our project review?

Thank you,

Allison Lyons
Senior Architectural Historian, Historic Built Environment
DUDEK
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Appendix F

Cultural Resource Inventory Report for the Harmon Ranch Project

DUDEK
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T 800.450.1818 F 760.632.0164

October 23, 2023 14452

David Shepherd
Lennar Homes
16465 Via Esprillo, Suite 150
San Diego, California 92127

Subject: Cultural Resource Inventory Report for the Harmon Ranch Project, City of Poway, California

Dear Mr. Shepherd,

This letter documents the positive cultural resources inventory conducted by Dudek for the Harmon Ranch Project (Project), located in the City of Poway, San Diego County, California (Figure 1, Project Location). The City of Poway (City) is the Lead Agency for compliance with the California Environmental Quality Act (CEQA). This report was prepared by Dudek Archaeologist Matthew DeCarlo, MA, who meets the Secretary of the Interior's standards for archaeology.

Dudek previously completed a cultural resources constraints analysis for the Project (DeCarlo et al. 2021), the results of which were used to construct this cultural resources inventory. A South Coastal Information Center records search (June 2021) identified that two previously recorded cultural resources have been recorded within the Project's area of potential effect (APE). The records search revealed that both resources within the Project APE have been previously evaluated and found not significant under CEQA. Neither a Native American Heritage Commission (NAHC) Sacred Lands File search nor Native American outreach letters indicate the presence of any specific tribal cultural resources (TCRs) or sacred sites within the Project APE. An intensive pedestrian survey in April 2022 did not identify any archaeological resources within the Project APE; however, four historic age buildings constructed over 45 years ago are within or directly adjacent to the Project APE. Due to the age of the four identified buildings, they are potentially historical resources and will be evaluated in a separate built environment report.

Though the Project APE has been highly disturbed and the NAHC and pedestrian survey were negative for archaeological resources or TCRs, the records search revealed that two resources intersect the Project APE: P-37-008245 and P-37-016042. Both resources were archaeologically tested and found to be not significant under CEQA within the Project APE. Though recommended not significant with the Project APE, there is an increased potential that ground disturbance will encounter buried cultural resources. As such, Dudek recommends cultural monitoring during initial ground disturbing activities.

Project Description and Location

The Project proposes the development of a 11.5-acre property into a residential development with 64 single-family detached homes (Figure 2, Project Site). The Proposed Project also includes 40 guest parking spaces along the private streets, approximately 0.9 acres of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas and a segment of the General Plan Community trail (approximately 1,000 feet) connecting the

Project Site to the adjacent retail area located to the north. The "Overlook" area located in the south portion of the Project Site is planned to provide public access and will be privately maintained. Primary access to the Project Site is planned via existing Oak Knoll Road and emergency access is planned via the extension of existing Roca Grande Drive. Sixty of the homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road. The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of a 64 single family homes. The Harmon Ranch Specific Plan will establish three land use districts within the Project Site: Residential Single Family (R-S); Open Space (OS); and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was previously used as a construction staging yard for an SDG&E gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic building will be retained in place outside of the Specific Plan Area. Because the historic home is currently within the legal parcel proposed as part of the Specific Plan, the Applicant and Property Owner will concurrently process a Lot Line Adjustment Plat with the Specific Plan and Tentative Map to separate the 0.25-acre historic home site from the Specific Plan Area boundary.

The Project APE is located in the City of Poway, San Diego County, and is located on Oak Knoll Road between Pomerado Road and Carriage Road. The 10.72-acre Project APE is divided into two parts; the larger parcel is located north of Oak Knoll Road and the smaller parcel is located south of Oak Knoll Road. The Project APE is mapped within Section 14 of Township 14 South, Range 2 West on the U.S. Geological Survey 7.5-minute Poway Quadrangle.

Regulatory Background

The City is the Lead Agency for compliance with CEQA. This study is compliant with cultural resource regulations that apply to the Project APE including provisions for the California Register of Historic Resources (CRHR), the California Native American Graves Protection and Repatriation Act, CEQA, California Health and Safety Code Section 7050.5, Senate Bill 18 (SB 18), Assembly Bill 52 (AB 52), and the City's General Plan.

State Level Regulations

The California Register of Historic Resources (California Public Resources Code Section 5020 et seq.)

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1[j]). In 1992, the California legislature established CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1[a]). A resource is eligible for

listing in the CRHR if the State Historical Resources Commission determines that it is a significant resource and that it meets any of the following National Register of Historic Places (NRHP) criteria (California Public Resources Code Section 5024.1[c]):

1. Associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

Resources less than 50 years old are not considered for listing in the CRHR, but may be considered if it can be demonstrated that sufficient time has passed to understand the historical importance of the resource (see 14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing on the NRHP are automatically listed on the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys. The State Historic Preservation Officer maintains the CRHR.

Native American Historic Cultural Sites (California Public Resources Code Section 5097 et seq.)

State law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NAHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy a Native American historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Environmental Quality Act

As described further below, the following CEQA Statute and Guidelines are of relevance to the analysis of archaeological and historic resources:

1. California Public Resources Code Section 21083.2(g): Defines "unique archaeological resource."

   California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a) define historical resources. In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of a historical resource.

2. California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5(e): Set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

3. California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4: Provide information regarding the mitigation framework for archaeological and historic resources, including options of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; 14 CCR 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1[q]), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; 14 CCR 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; 14 CCR 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (14 CCR 15064.5[b][1]; California Public Resources Code Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (Section 7050.5b). If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (Section 7050.5c). The NAHC will notify the most likely descendant. With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 24 hours of notification of the most likely descendant by the NAHC. The most likely descendant may

recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

Senate Bill 18

Senate Bill 18 amended Section 65351 of the Government Code and dictates the following:

During the preparation or amendment of the general plan, the planning agency shall provide opportunities for the involvement of citizens California Native American Indian tribes, public agencies, public utility companies, and civic, education, and other community groups, through public hearings and any other means the city or county deems appropriate.

Assembly Bill 52

California Assembly Bill 52, which took effect July 1, 2015, establishes a consultation process between California Native American tribes and lead agencies in order to address tribal concerns regarding project impacts and mitigation to TCRs. California Public Resources Code Section 21074(a) defines TCRs and states that a project that has the potential to cause a substantial adverse change to a TCR is a project that may have an adverse effect on the environment. A TCR is defined as a site, feature, place, cultural landscape, sacred place, and object with cultural value to a California Native American tribe that is either:

1. listed or eligible for listing in the CRHR or a local register of historical resources, or
2. determined by a lead agency to be a TCR.

Traditional Cultural Properties

Native American Heritage Values

Federal and state laws mandate that consideration be given to the concerns of contemporary Native Americans with regard to potentially ancestral human remains, associated funerary objects, and items of cultural patrimony. Consequently, an important element in assessing the significance of the study site has been to evaluate the likelihood that these classes of items are present in areas that would be affected by the proposed Project.

Also potentially relevant to prehistoric archaeological sites is the category of traditional cultural properties in discussions of cultural resource management performed under federal auspices. According to Parker and King (1998), “traditional” in this context refers to those beliefs, customs, and practices of a living community of people that have been passed down through the generations, usually orally or through practice. The traditional cultural significance of a historic property is derived from the role the property plays in a community’s historically rooted beliefs, customs, and practices. Examples of properties possessing such significance include:

1. A location associated with the traditional beliefs of a Native American group about its origins, its cultural history, or the nature of the world;
2. A rural community whose organization, buildings and structures, or patterns of land use reflect the cultural traditions valued by its long-term residents;
3. An urban neighborhood that is the traditional home of a particular cultural group, and that reflects its beliefs and practices;

4. A location where Native American religious practitioners have historically gone, and are known or thought to go today, to perform ceremonial activities in accordance with traditional cultural rules of practice; and
5. A location where a community has traditionally carried out economic, artistic, or other cultural practices important in maintaining its historic identity.

Guidelines for Determining Significance

According to CEQA (Section 15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change as the following:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

The significance of an historical resource is materially impaired when a project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

- When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
- If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
- If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c–f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.

- If an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Sections 15064.5(d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

> When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:
>
> 1. The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5); and
> 2. The requirement of CEQA and the Coastal Act.

Under CEQA, an EIR is required to evaluate any impacts on unique archaeological resources (California Public Resources Code Section 21083.2.) A "unique archaeological resource" is defined as (California Public Resources Code Section 21083.2[g]):

> An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
> 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
> 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

An impact to a non-unique archaeological resource is not considered a significant environmental impact and such non-unique resources need not be further addressed in the EIR (California Public Resources Code Section 21083.2[a]; 14 CCR 15064.5[c][4]).

As stated above, CEQA contains rules for mitigation of "unique archaeological resources." For example:

> if it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of

preference, may include, but are not limited to, any of the following (California Public Resources Code Section 21083.2[b][1]-[4]):

1. Planning construction to avoid archaeological sites.
2. Deeding archaeological sites into permanent conservation easements.
3. Capping or covering archaeological sites with a layer of soil before building on the sites.
4. Planning parks, greenspace, or other open space to incorporate archaeological sites.

California Public Resources Code Section 21083.2(d) states that "excavation as mitigation shall be restricted to those parts of the unique archaeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be required for a unique archaeological resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

The rules for mitigating impacts to archaeological resources that qualify as "historic resources" are slightly different. According to CEQA Guidelines Section 15126.4(b), "public agencies should, whenever feasible, seek to avoid damaging effects on any historic resource of an archaeological nature. The following factors shall be considered and discussed in an EIR for a project involving such an archaeological site:

A. Preservation in place is the preferred manner of mitigating impacts to archaeological sites. Preservation in place maintains the relationship between artifacts and the archaeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.
B. Preservation in place may be accomplished by, but is not limited to, the following:
    1. Planning construction to avoid archaeological sites;
    2. Incorporation of sites within parks, greenspace, or other open space;
    3. Covering the archaeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site[; and]
    4. Deeding the site into a permanent conservation easement."

Thus, although Section 21083.2 of the California Public Resources Code, in addressing "unique archaeological sites," provides for specific mitigation options "in no order of preference," CEQA Guidelines Section 15126.4(b), in addressing "historical resources of an archaeological nature," provides that "preservation in place is the preferred manner of mitigating impacts to archaeological sites."

Under CEQA, "when data recovery through excavation is the only feasible mitigation," the lead agency may cause to be prepared and adopt a "data recovery plan" prior to any excavation being undertaken. The data recovery plan must make "provision for adequately recovering the scientifically consequential information from and about the historic resource" (14 CCR 15126.4[b][3][C]). The data recovery plan also "must be deposited with the California Historical Resources Regional Information Center" (14 CCR 15126.4[b][3][C]). Further, "if an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation" (14 CCR 15126.4[b][3][C]). However, "data recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archaeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center" (14 CCR 15126.4[b][3][D]).

City of Poway Cultural Resources Guidelines

Poway General Plan

Goal IV of the City of Poway's General Plan (City of Poway 1991) is to preserve the City's cultural resources for the future benefit and enjoyment of its residents. Policy D states that "Archaeological resources are an important part of our heritage and should be preserved and protected." Strategies include the following (City of Poway 1991):

1. Archaeological guidelines for the treatment of archaeological resources discovered during the environmental review process shall be implemented. These guidelines are on file at the City of Poway.
2. The City shall require that all artifacts recovered from sites within Poway during environmental impact studies be presented to the City for permanent curation. This is also recommended for the sphere of influence. The City shall designate a repository for the artifacts or direct that a suitable structure be built or converted within the City boundaries to house the collections. The City shall ensure the proper treatment of the artifacts by selecting an archaeologist historian to define the necessary elements for curation of specimens as outlined by the National Park Service. If the City cannot designate a facility to curate the artifacts, then an agreement could be reached with the Poway Historical Society or the San Diego Archaeological Society to temporarily curate the artifacts.
3. Consider mitigation alternatives which include "in kind" measures that provide unusual or more beneficial results than the mitigation measures listed in the City archaeological/historical guidelines.
4. Maintain a listing of significant prehistoric sites and document the locations of all open space easements that include archaeological sites. These easements have been granted to protect resources however without acknowledging the locations of such easements the success of the use of such easements for resource protection cannot be assured. The City should conduct a research effort to determine where easements for archaeological sites are located especially those easements which were inherited from the County of San Diego when the city was incorporated.

Municipal Code

Chapter 17.45 of the City's Municipal Code describes the City's cultural resources regulatory framework (City of Poway 2022). The City's planning goals and policies aim to "protect, enhance and perpetuate historic/cultural resources, sites, and districts that represent or reflect elements of the City's cultural, social, economic, political and architectural history for the public health, safety and welfare of the people of the City" and to "permit historic sites to be identified, documented, and recorded by written and photographic means and allow an opportunity for voluntary preservation of historic sites, all without infringing on the ability and right of a property owner to control the use of property or structures" (City of Poway 2022).

South Coastal Information Center Records Search

Dudek requested a records search of data on file at the South Coastal Information Center for the Project APE and a 1-mile buffer on June 8, 2021. The purpose of the records search is to identify any previously recorded cultural resources that may be located within the property. In addition to a review of previously prepared EIRs, permit application packages, site records, and reports, the records search also reviewed historical maps of the Project APE and vicinity, ethnographies, the NRHP, the CRHR, the Built Environment Resources Directory, and the lists of

California State Historical Landmarks, California Points of Historical Interest, and Archaeological Determinations of Eligibility. Dudek received the results of the records search on June 10, 2021. The results of the records search are included in Confidential Appendix A.

Previously Recorded Cultural Resources

The records search identified 16 cultural resources within 1 mile of the Project APE, two of which intersect the current Project APE. Brief discussions of these two intersecting resources, P-37-008245 and P-37-016042, are included below. Table 1 summarizes the cultural resources within 1 mile of the Project APE.

Table 1. Cultural Resources Previously Identified within 1 Mile of Project APE

Primary No	Trinomial	Era	Description
Intersects Project APE			
P-37-008245	CA-SDI-8245	Prehistoric	Milling station and campsite
P-37-016042	CA-SDI-14605/H	Historic	Cistern filled with refuse
Within 1-Mile of Project APE			
P-37-000012	CA-SDI-2	Prehistoric	Bedrock milling and artifact scatter
P-37-000592	CA-SDI-592	Prehistoric	Bedrock milling, petroglyphs, and artifact scatter
P-37-004512	CA-SDI-4512	Prehistoric	Bedrock milling, hearths, and artifact scatter
P-37-004633	CA-SDI-4633	Prehistoric	Bedrock milling, hearths, and artifact scatter
P-37-006083	CA-SDI-6083	Prehistoric	Bedrock milling and artifact scatter
P-37-006665	CA-SDI-6665	Prehistoric	Artifact scatter
P-37-006666	CA-SDI-6666	Prehistoric	Bedrock milling and lithic scatter
P-37-011481	CA-SDI-11481	Prehistoric	Bedrock milling feature and lithic scatter
P-37-018285	CA-SDI-15547	Prehistoric	Habitation site
P-37-027171	—	Historic	Water tank
P-37-033470	—	Historic	Dirt road
P-37-033481	CA-SDI-21057	Prehistoric	Bedrock milling
P-37-033557	—	Historic	Old Highway 395
P-37-035873	—	Historic	Structure refuse

P-37-008245/CA-SDI-8245

This site was originally recorded by Gary Fink in 1975 as a "knoll top milling station and campsite." Fink (1975) recorded extensive midden concentrated near the top of the east side of the knoll but noted "midden scatter" on parts of the knoll's slopes. The original record identified seven mortar holes, three slicks, two basins, one "mini-mortar, and scattered flakes and tools. A portion of the site was tested by Affinis in 1990 by excavating an undisclosed number of shovel test pits, which found archaeological deposits extending below 60 centimeters (Affinis 1990). Affinis noted that the portion of the resource that is now within the current Project APE was previously farmed and highly disturbed.

In 1991, Brian F. Smith and Associates evaluated P-37-008245 with a series of excavated trenches. Finding the resource significant, a data recovery program was initiated that included excavation of two 3 x 3 meter block units

and four 1 x 1 meter units within the current Project APE. Brian F. Smith and Associates reported that the data recovery program resulted in the successful excavation of a representative sample of the site, determined the site function, curated nearly 3,000 artifacts for future study, and "generally exhausted the research potential" of the portion of the resource within the current Project APE. Brian F. Smith and Associates recommended that a cultural resource monitoring program be implemented during construction grading.

Though P-37-008245 is considered significant under CEQA and intersects the current Project APE, the portion of the resource that intersects the APE has previously undergone data recovery to mitigate potentially adverse impacts to the periphery of the resource mitigation. The portion of P-37-008245 that intersects the Project APE lacks research potential and is unlikely to pose any substantial archaeological constraint to the Project.

P-37-016042/CA-SDI-14605/H

This resource was identified in 1998 during the grading of an empty lot and consists of a historic cistern filled with refuse (Kirkish 1998). The refuse included household goods, automobile items, building materials, and personal items. A few prehistoric artifacts were also identified on the lot but appeared to have been displaced from fill soils used during the construction of the previous residence. The systematic recovery of cultural material from the feature and trash scatter exhausted the data potential of the site and avoidance of the resource is not necessary. This resource was identified within the current Project APE.

Previous Cultural Resource Studies

The records search identified 72 previous studies that have been performed within 1 mile of the Project APE. Five of these studies have addressed at least a portion of the Project APE; however, the entire Project APE has not been previously surveyed. These previous studies were conducted between 1990 and 2000 and are not considered current. One study, SD-2207, encompasses all of the Project APE north of Oak Knoll Road, the findings of which are discussed below. Table 2 in Confidential Appendix A summarizes all 72 previous cultural resources studies within 1 mile of the Project APE.

SD-02207

Brian F. Smith and Associates (1991) conducted evaluation testing and a data recovery program for portions of archaeological site P-37-008245/CA-SDI-8245. As described above, P-37-008245 consists of prehistoric bedrock milling, artifact scatter, and rich midden soil located primarily on a knoll top. This data recovery program was conducted to mitigate potentially adverse impacts to the periphery of the resource. The portions of P-37-008245 that were tested by Brian F. Smith and Associates are the same portions of the resource that are within the current Project APE.

Brian F. Smith and Associates' (1991) site testing included the excavation of a series of subsurface trenches to assess the size and depth of the archaeological deposit. This testing determined that the site was "important," but that the portions of the site within the current Project APE were a small element of the main occupation. The testing also revealed that the integrity of P-37-008245 within the current Project APE is poor due to modern disturbances.

After the testing phase, a data recovery program for the portions of P-33-008245 with poor integrity (within the current Project APE) was carried out and consisted of two block units measuring 3 x 3 meters and four additional 1 x 1 meter test units. Brian F. Smith and Associates proclaimed that the data recovery program resulted in the

successful excavation of a representative sample of the site, determined the site function, curated nearly 3,000 artifacts for future study, and "generally exhausted the research potential" of the portion of the resource within the current Project APE. Brian F. Smith and Associates (1991) recommended that a cultural resource monitoring program be implemented during construction grading.

Archival Research

Historic topographic maps and aerial photographs of the Project APE were reviewed at historicaerials.com (NETR 2021) in order to assess land use and development changes over time, particularly related to historical resources and the known archaeological sites. Historic photographs are available since 1953. The 1953 aerial photograph shows that the property was undeveloped except for the stone house located in the southeastern corner of the Project APE at 12702 Oak Knoll Road. By 1964, two more residences were constructed in the southern portion of the Project APE, one north and one south of Oak Knoll Street. By 1978, a residential development was constructed along the eastern boundary of the Project APE and several dirt paths or roads were established within the northern Project APE. The aerial photograph from 1990 appears to show grading or mowing of the northern portion of the Project APE. Additional grading occurred in the central portion of the Project APE in 2010 and a San Diego Gas and Electric staging yard now occupies the northern portion of the Project APE. The historic aerial photographs show that the Project APE has been surrounded by development since the late 1950s or early 1960s and was subject to repeated, though not complete, disturbances in the form of grading and dirt roads. Any surface cultural resources that may have been present are likely disturbed but intact archaeological deposits are possible.

Native American Heritage Commission and Native American outreach letters

Dudek requested an NAHC search of the Sacred Lands File on April 15, 2022, for the proposed Project APE and a 1-mile buffer. The Sacred Lands File consists of a database of known Native American resources. These resources may not be included in the South Coastal Information Center database. The NAHC replied on May 19, 2022, and reported that the Sacred Lands File did not identify any known Native American cultural resources within the Project APE or the surrounding 1-mile buffer (Appendix B, Tribal Correspondence). The NAHC additionally provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in this area.

Outreach letters were mailed on May 27, 2022, to all Native American group representatives included on the NAHC contact list (Appendix B). These letters attempted to solicit additional information relating to Native American resources that may be impacted by the Project. Native American representatives were requested to define a general area where known resources intersect the Project APE. Four responses to these requests have been received.

Barona Band of Mission Indians stated that because the Project is astride a creek and ethnographic village of Paqui, there is an increased cultural sensitivity. Barona recommended an intensive pedestrian survey and construction monitoring. Jamul Indian Village stated that they consulted their database and have concerns that the Project area is sensitive for cultural resources. They stated that they would consult with the City. Likewise, San Pasqual Band of Mission Indians stated that the Project is in their Traditional Use Area, and they would like to

engage in formation government to government consultation. Viejas Band of Kumeyaay Indians stated that the Project area was significant to Viejas, and they requested that a Kumeyaay Cultural Monitor be on site during any ground disturbing activities.

Senate Bill 18 and Assembly Bill 52 Consultation

In compliance with Senate Bill (SB 18) and Assembly Bill 52 (AB 52), the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities. The City requested a Tribal Consultation List from the Native American Heritage Commission (NAHC) and received a list of 16 tribal representative from the NAHC. The City mailed separate SB 18 and AB 52 letters to the 16 tribal representatives on November 8, 2022. These notification letters included a description of the Project, lead agency contact information, and a statement that the tribe had 90 days to request consultation under SB 18 and 30 days to request consultation under AB 52.

Four tribal entities responded to the SB 18 and AB 52 notification letters. Barona Band of Mission Indians, Jamul Indian Village, and Viejas Band of Kumeyaay Indians requested that a Kumeyaay Native American monitor be present during ground disturbing construction activities. San Pasqual Band of Mission Indians requested a Project site visit, after which they would make recommendations. Consultation with San Pasqual Band of Mission Indians is considered ongoing. Consultation with all other tribes is considered concluded.

Intensive Pedestrian Survey

Dudek Archaeologist Javier Hernandez conducted a survey of the Project APE on April 22, 2022. Native American monitor Logovii Sialo from Saving Sacred Sites Inc., a Luiseño owned company, participated in the pedestrian survey. The Project APE consists of two vacant lots bisected by Oak Knoll Road that border existing residential neighborhoods. The larger parcel north of Oak Knoll Road has been previously disturbed as evidenced by two residences with outbuildings, trimmed vegetation, heavy machinery grading, and the presence of a construction staging yard. The staging yard has been heavily disturbed by commercial equipment and vehicle storage. It occupies the majority of parcel, leaving an unfenced area approximately 160 by 60 meters on the north half of the parcel. This area was densely vegetated with a row of trees aligning a drainage on the western APE boundary. The thick grass made surface visibility poor on the southwest facing knoll. The second smaller parcel south of Oak Knoll Road has also been heavily disturbed as evidenced by road gravels and trimmed grass. The southernmost extent of the APE bordering Poway Creek was heavily vegetated by trees and brush and the northern bank of Poway Creek was too steep to access for surveying. The northern portion of the southern lot was heavily vegetated by grass making surface visibility poor. Though currently undeveloped, the Project is immediately adjacent to residential and commercial development. Pedestrian survey was conducted utilizing formal transects at 15-meter intervals, except as noted above. Deviations from transects also occurred to inspect animal burrows and other locations of exposed sediments and rock outcrops. No cultural resources were identified within the Project.

Summary and Management Considerations

Though the Project APE has been highly disturbed and the NAHC Sacred Lands File search, Native American outreach, and pedestrian survey were negative for archaeological resources and TCRs, the records search

revealed that two resources intersect the Project APE: P-37-008245 and P-37-016042. Both resources were archaeologically tested and found to be not significant under CEQA within the Project APE. Though recommended not significant with the Project APE, there is an increased potential that ground disturbance will encounter buried cultural resources associated with these resources. As such, Dudek recommends cultural monitoring during initial ground disturbing activities.

Should human remains be discovered, work will halt in that area and procedures set forth in the California Public Resources Code (Section 5097.98) and California Health and Safety Code (Section 7050.5) will be followed, beginning with notification of the County Coroner. If Native American remains are present, the County Coroner will contact the NAHC to designate a most likely descendant, who will provided recommendations for the dignified disposition and treatment of the remains.

Should you have any questions relating to this report and its findings please do not hesitate to contact Dudek directly.

Respectfully Submitted,

Matthew DeCarlo, MA
Archaeologist
Office: 760.479.4831
Email: mdecarlo@dudek.com

cc: *Vanessa Scheidel, Dudek*
Att: *Figures 1–2*
Confidential Appendix A: South Coastal Information Center Records Search Results
Appendix B: Native American Correspondence

References

Assembly Bill 52. California Legislative Information Website. Electronic document, https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201320140AB52.

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CEQA Guidelines. California Natural Resources Agency Website. Electronic documents, http://resources.ca.gov/ceqa/guidelines/.

City of Poway. 1991. *Poway Comprehensive Plan*.

City of Poway. 2022. *Poway Municipal Code*.

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Fink, G.R. 1975. *Archaeological Site Record for CA-SDI-8245*. On file at South Coastal Information Center, San Diego State University.

Kirkish, A.N. 1998. *Archaeological Site Record for CA-SDI-14605H*. On file at South Coastal Information Center, San Diego State University.

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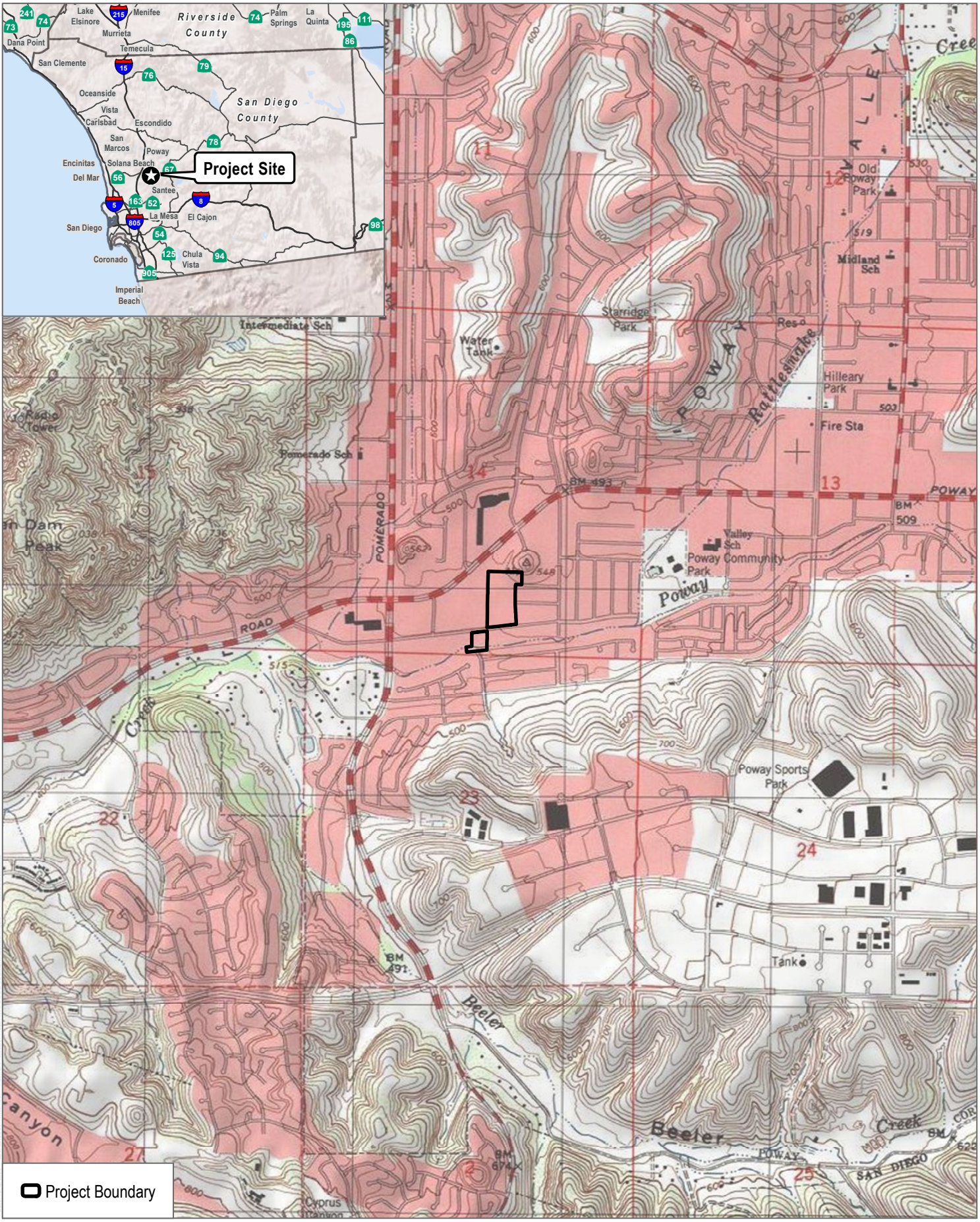
Parker, P. L. and T. F. King. 1998. National Register Bulletin 38: Guidelines for the Evaluation and Documentation of Traditional Cultural Properties. National Register of Historic Places, U.S. National Park Service



SOURCE: SAN GIS 2017

DUDEK

0 1,000 2,000 Feet
0 300 600 Meters

FIGURE 1

Project Location

Harmon Ranch

SOURCE: SAN GIS 2017

DUDEK

0 70 140 Feet

FIGURE 2

Project Site

Harmon Ranch

Appendix A

(Confidential)
South Coastal Information Center Records
Search Results

Appendix B

Native American Correspondence

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95501
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Lennar Oak Knoll Project - Dudek No. 13534
County: San Diego

USGS Quadrangle
Name: Poway
Township: 14 South Range: 2 West Section(s): 14

Company/Firm/Agency:
Dudek
Contact Person: Matthew DeCarlo
Street Address: 605 Third Street
City: Encinitas, CA Zip: 92024
Phone: (760) 815-7067 Extension:
Fax: (760) 632-0164
Email: mdecarlo@dudek.com

Project Description:
The proposed project consists of developing two adjacent lots into residential housing.

☑ Project Location Map is attached

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

PARLIAMENTARIAN
Russell Attebery
Karuk

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

May 19, 2022

Matthew DeCarlo
Dudek

Via Email to: mdecarlo@dudek.com

Re: Lennar Oak Knoll Project, San Diego County

Dear Mr. DeCarlo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Diego County
5/19/2022

Barona Group of the Capitan Grande
Edwin Romero, Chairperson
1095 Barona Road — Diegueno
Lakeside, CA, 92040
Phone: (619) 443 - 6612
Fax: (619) 443-0681
cloyd@barona-nsn.gov

Campo Band of Diegueno Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1 — Diegueno
Campo, CA, 91906
Phone: (619) 478 - 9046
Fax: (619) 478-5818
rgoff@campo-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Michael Garcia, Vice Chairperson
4054 Willows Road — Diegueno
Alpine, CA, 91901
Phone: (619) 933 - 2200
Fax: (619) 445-9126
michaelg@leaningrock.net

Ewiiaapaayp Band of Kumeyaay Indians
Robert Pinto, Chairperson
4054 Willows Road — Diegueno
Alpine, CA, 91901
Phone: (619) 368 - 4382
Fax: (619) 445-9126
ceo@ebki-nsn.gov

Iipay Nation of Santa Ysabel
Virgil Perez, Chairperson
P.O. Box 130 — Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 765 - 0845
Fax: (760) 765-0320

Iipay Nation of Santa Ysabel
Clint Linton, Director of Cultural Resources
P.O. Box 507 — Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 803 - 5694
cjlinton73@aol.com

Inaja-Cosmit Band of Indians
Rebecca Osuna, Chairperson
2005 S. Escondido Blvd. — Diegueno
Escondido, CA, 92025
Phone: (760) 737 - 7628
Fax: (760) 747-8568

Jamul Indian Village
Erica Pinto, Chairperson
P.O. Box 612 — Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4785
Fax: (619) 669-4817
epinto@jiv-nsn.gov

Jamul Indian Village
Lisa Cumper, Tribal Historic Preservation Officer
P.O. Box 612 — Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4855
lcumper@jiv-nsn.gov

Kwaaymii Laguna Band of Mission Indians
Carmen Lucas,
P.O. Box 775 — Kwaaymii
Pine Valley, CA, 91962 — Diegueno
Phone: (619) 709 - 4207

La Posta Band of Diegueno Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road — Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
LP13boots@aol.com

La Posta Band of Diegueno Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road — Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
jmiller@LPtribe.net

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Lennar Oak Knoll Project, San Diego County.

Native American Heritage Commission
Native American Contact List
San Diego County
5/19/2022

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302 Diegueno
Boulevard, CA, 91905
Phone: (619) 766 - 4930
Fax: (619) 766-4957

Mesa Grande Band of Diegueno Mission Indians
Michael Linton, Chairperson
P.O Box 270 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 782 - 3818
Fax: (760) 782-9092
mesagrandeband@msn.com

San Pasqual Band of Diegueno Mission Indians
Allen Lawson, Chairperson
P.O. Box 365 Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
allenl@sanpasqualtribe.org

San Pasqual Band of Diegueno Mission Indians
John Flores, Environmental Coordinator
P. O. Box 365 Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
johnf@sanpasqualtribe.org

Sycuan Band of the Kumeyaay Nation
Kristie Orosco, Kumeyaay Resource Specialist
1 Kwaaypaay Court Kumeyaay
El Cajon, CA, 92019
Phone: (619) 445 - 6917

Sycuan Band of the Kumeyaay Nation
Cody Martinez, Chairperson
1 Kwaaypaay Court Kumeyaay
El Cajon, CA, 92019
Phone: (619) 445 - 2613
Fax: (619) 445-1927
ssilva@sycuan-nsn.gov

Viejas Band of Kumeyaay Indians
John Christman, Chairperson
1 Viejas Grade Road Diegueno
Alpine, CA, 91901
Phone: (619) 445 - 3810
Fax: (619) 445-5337

Viejas Band of Kumeyaay Indians
Ernest Pingleton, Tribal Historic Officer, Resource Management
1 Viejas Grade Road Diegueno
Alpine, CA, 91901
Phone: (619) 659 - 2314
epingleton@viejas-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Lennar Oak Knoll Project, San Diego County.

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

May 27, 2022 14452

Mr. John Christman, Chairperson
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Christman,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

The Native American Heritage Commission conducted a Sacred Lands file search. The results were negative for Native American cultural resources within or adjacent to the project area. I am writing as part of the cultural inventory process in order find out if you, or your tribal community, have any knowledge of cultural resources or places that may be impacted by the proposed project. This letter does not constitute formal government to government consultation pursuant to Assembly Bill 52.

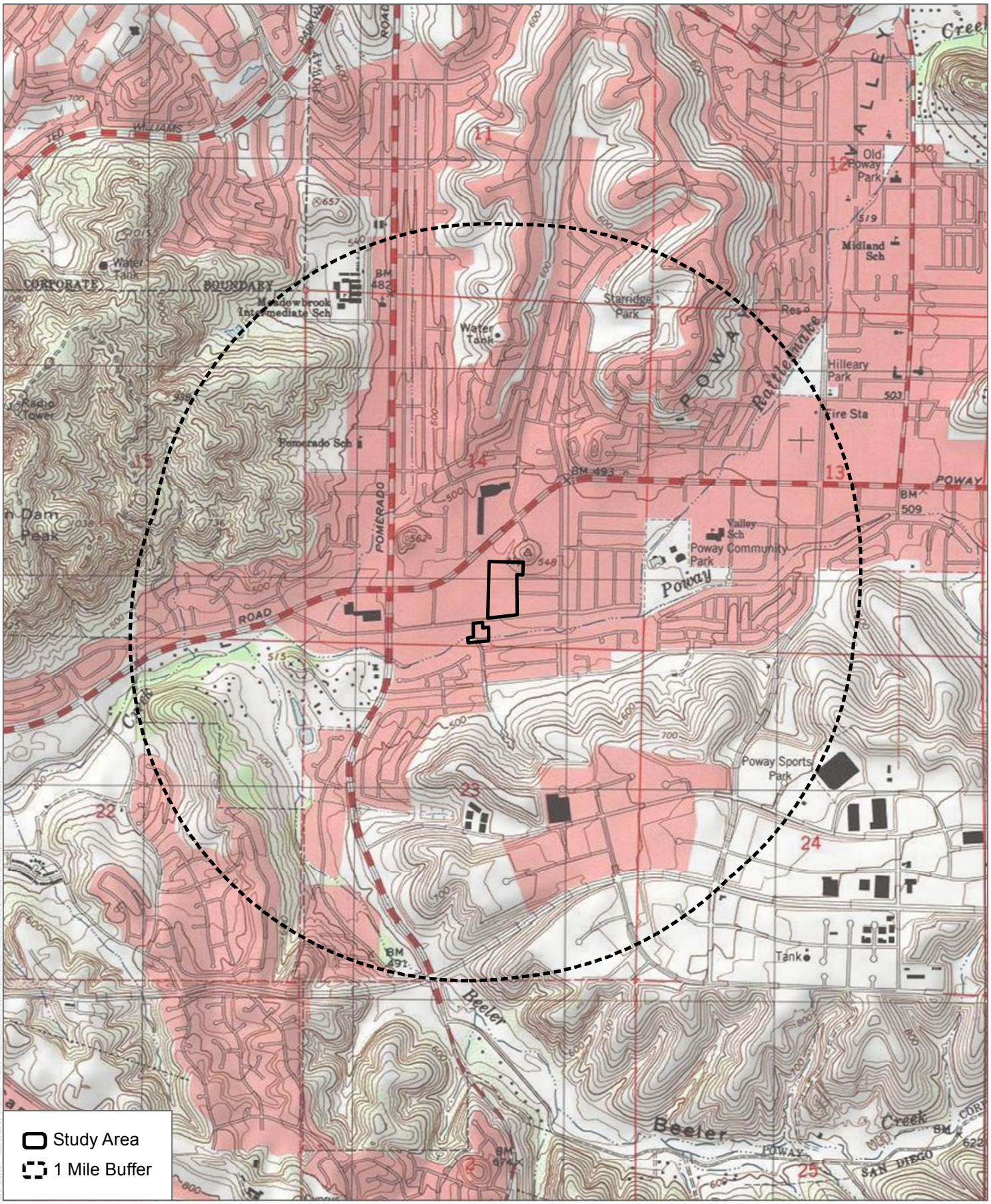
If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

_____

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 479-4831
Email: mdecarlo@dudek.com



SOURCE: USGS 7.5-Minute Series Poway Quadrangle
Township 14S; Range 2W; Section 14

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

Records Search

Lennar Oak Knoll

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

May 27, 2022 14452

Ms. Lisa Cumper, THPO
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Cumper,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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If you have any information or concerns pertaining to such information, please contact me.

Respectfully,

Matthew H. DeCarlo

_____

Matthew DeCarlo, M.A.
Archaeologist
DUDEK
Phone: (760) 479-4831
Email: mdecarlo@dudek.com

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

May 27, 2022 14452

Mr. John Flores, Environmental Coordinator
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Flores,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Michael Garcia, Vice Chairperson
Ewiiaapaayp Tribe
4054 Willows Road
Alpine, CA 91901

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Garcia,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Ralph Goff, Chairperson
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, CA 91906

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Goff,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Allen E. Lawson, Chairperson
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Lawson,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Clint Linton, Director of Cultural Resources
Ipay Nation of Santa Ysabel
P.O. Box 507
Santa Ysabel, CA 92070

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Linton,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Michael Linton, Chairperson
Mesa Grande Band of Dieguneo Mission Indians
P.O. Box 270
Santa Ysabel, CA 92070

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Linton,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Carmen Lucas,
Kwaaymii Laguna Band of Mission Indians
P.O. Box 775
Pine Valley, CA 91962

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Lucas,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Cody Martinez, Chairperson
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Martinez,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Javaughn Miller, Tribal Administrator
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Miller,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Kristie Orosco, Resource Specialist
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Orosco,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Rebecca Osuna, Chairperson
Inaja-Cosmit Band of Indians
2005 S. Escondido Blvd.
Escondido, CA 92025

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Osuna,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Gwendolyn Parada, Chairperson
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Parada,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Virgil Perez, Chairperson
Iipay Nation of Santa Ysabel
P.O. Box 130
Santa Ysabel, CA 92070

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Perez,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Ernest Pingleton, Tribal Historic Officer
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Pingleton,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Robert Pinto, Chairperson
Ewiaapaayp Tribe
4054 Willow Rd.
Alpine, CA 91901

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Pinto,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Erica Pinto, Chairperson
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Pinto,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Mr. Edwin (Thorpe) Romero, Chairperson
Barona Group of the Capitan Grande
1095 Barona Road
Lakeside, CA 92040

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Mr. Romero,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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May 27, 2022 14452

Ms. Angela Elliott Santos, Chairperson
Manzanita Band of Kumeyaay Nation
P.O. Box 1302
Boulevard, CA 91905

Subject: Information Request for the Oak Knoll Project, City of Poway, California

Dear Ms. Santos,

A private developer has proposed the development of a vacant lot into residential development in the City of Poway, California. The project area is located within an existing residential development on Oak Knoll Road. The area falls within Section 14 within Township 14S/ Range 2W of the Poway, CA 1:24,000 USGS map (Figure 1).

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Matthew H. DeCarlo

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Phone: (760) 479-4831
Email: mdecarlo@dudek.com

From: buncelaw@aol.com

Sent: Friday, June 17, 2022 3:07 PM

To: Matthew DeCarlo

Subject: Oak Knoll Project, City of Poway

Dear Mr. DeCarlo,

In response to your letter of May 27, 2022 concerning the above project, I am responding on behalf of the Barona Band of Mission Indians, which is a small federally-recognized Indian tribe whose federal Indian reservation is a bit to the east of Poway. I serve as the Tribe's Tribal Attorney and respond to many cultural resource issues under the direction of Chairman Raymond Welch and the Tribal Council.

The site of this project is astride a creek and in the vicinity of the village of Paqui. It is also relatively flat. Therefore, there is an increased likelihood that known or unknown cultural resources are on or buried on the property, despite the negative cultural resources records search. Therefore, the Barona Band requests that the City conduct at least a walk-over of the parcel by a qualified archaeologist to see if any signs of cultural resources are present, and to view any earth-disturbing activities, with the ability to stop them if such resources are discovered, until they can be properly evaluated.

Thank you for your attention to this request.

Sincerely,

Art Bunce

Tribal Attorney

From: Lisa Cumper <lcumper@jiv-nsn.gov>

Sent: Monday, June 27, 2022 4:04 PM

To: Matthew DeCarlo

Cc: Jewel Tellow

Subject:Information Request for the Oak Knoll Project, City of Poway

Hi Matt,

I hope that this email finds you well! The Jamul Indian Village of California has researched our database and we have concerns about this location as it is a sensitive site for us.

Thanks Matt!

Kindest Regards,

Lisa K. Cumper, THPO

Tribal Historic Preservation Officer

Cultural Resources Manager,

The Jamul Indian Village of California

Secretary, KCRC, Kumeyaay Nation

Secretary, KHPC, Kumeyaay Nation

P.O. Box 612, Jamul CA 91935

desk: 619.669.4855

cell: 619.928.8689

fax: 619.669.4817

email: lcumper@jiv-nsn.gov

web: www.jamulindianvillage.com

The ground on which we stand is sacred ground, it is the blood of our ancestors. Chief Plenty Coups, Crow

IPAI

SAN PASQUAL BAND OF MISSION INDIANS

SAN PASQUAL RESERVATION

June 17, 2022

TRIBAL COUNCIL

Stephen W. Cope
Chairman

Justin Quis Quis
Vice Chairman

Jenny Alto
Secretary-Treasurer

Roberta Cameron
Councilman

Melody S. Arviso
Councilman

DUDEK
Matthew DeCarlo M.A.
Archaeologist
605 Third Street
Encinitas CA. 92024

RE: Oak Knoll Project

Dear Mr. DeCarlo,

The San Pasqual Band of Mission Indians Tribal Historic Preservation Office has received your notification of the project referenced above. This letter constitutes our response on behalf of Desiree M. Whitman THPO Officer and San Pasqual Band of Mission Indians.

We have consulted our maps and determined that the project as described is not within the boundaries of the recognized San Pasqual Indian Reservation. It is, however, within the boundaries of the territory that the tribe considers its Traditional Use Area (TUA). Furthermore, we would like to engage in formal government to government consultation so that San Pasqual can have a voice in developing the measures that will be taken to protect these sites and mitigate any adverse impacts.

We would appreciate being given access to any cultural resource reports that have been or will be generated during the environmental review process so we can contribute most effectively to the consultation process.

We appreciate your involvement with your initiative and look forward to working with you on future efforts. If you have questions or need additional information, please do not hesitate to contact me by telephone at 760-803-5648 or by e-mail at Angelinag@sanpasqualtribe.org

Respectfully,

Angelina Gutierrez

Angelina Gutierrez
Tribal Historic Preservation Office, Monitor Supervisor
San Pasqual Band of Mission Indians

From: Ray Teran <rteran@viejas-nsn.gov>

Sent: Thursday, June 9, 2022 9:42 AM

To: Matthew DeCarlo

Cc: Ernest Pingleton

Subject: Oak Knoll Project

The Viejas Band of Kumeyaay Indians ("Viejas") has reviewed the proposed project and at this time we have determined that the project site has cultural significance or ties to Viejas. Cultural resources have been located within or adjacent to the APE-DE of the proposed project.

Viejas Band request that a Kumeyaay Cultural Monitor be on site for ground disturbing activities and to inform us of any new developments such as inadvertent discovery of cultural artifacts, cremation sites, or human remains.

If you wish to utilize Viejas cultural monitors (Viejas rate is $54.15/hr. plus GSA mileage), please call Ernest Pingleton at 619-655-0410 or email, epingleton@viejas-nsn.gov, for contracting and scheduling. Thank you.

Ray Teran

Viejas Tribal Government

Resource Management Director

619-659-2312

rteran@viejas-nsn.gov

Appendix G

Geotechnical Investigation

GEOTECHNICAL INVESTIGATION

OAK KNOLL
POWAY, CALIFORNIA

GEOCON
INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

LENNAR
SAN DIEGO, CALIFORNIA

JUNE 15, 2022
PROJECT NO. G2746-32-02

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. G2746-32-02
June 15, 2022

Lennar
16465 Via Esprillo, Suite 150
San Diego, California 92127

Attention: Mr. David Shepherd

Subject: GEOTECHNICAL INVESTIGATION
OAK KNOLL
POWAY, CALIFORNIA

Dear Mr. Shepherd:

In accordance with your request, we have performed a geotechnical investigation for the Oak Knoll project located in Poway, California. The accompanying report presents the findings of our study, and conclusions and recommendations pertaining to the geotechnical aspects of developing the project as presently proposed. Based on the results of this study, it is our opinion that the subject property can be developed as planned provided that the recommendations of this report are followed.

Should you have any questions regarding this report, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON INCORPORATED

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GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of a geotechnical investigation for the proposed Oak Knoll project located in Poway, California (see Vicinity Map, Figure 1). The purpose of our study was to evaluate the soil and geologic conditions on the site and provide geotechnical recommendations pertaining to development of the property as proposed.

The scope of this investigation included a review of the Tentative Map for Oak Knoll, City of Poway, California, Sheets 1 through 3 of 3, prepared by Hunsaker and Associates San Diego, Inc, undated. We also performed a field investigation, conducted laboratory testing to characterize the physical properties of the soils encountered, performed engineering analyses and prepared this report.

We performed an initial field investigation on May 28, 2021, which consisted of drilling 10 hydraulic rotary air percussion borings (generically referenced herein as air-track borings) to evaluate rock rippability in the northeastern portion of the site. On May 18, 2022, we excavated 11 exploratory trenches to evaluate the thickness and condition of surficial deposits requiring remedial grading. We also performed one infiltration test in the area of the proposed stormwater vault to assess the saturated hydraulic conductivity of the underlying soil. Logs of the exploratory trenches, air-track borings, and other details of the field investigation are presented in Appendix A. The locations of the exploratory trenches and borings are presented on the Geologic Map, Figure 2 (map pocket). The infiltration test results are presented in Appendix C.

We performed laboratory testing on selected soil samples obtained during the field investigation to evaluate pertinent physical properties of the soil types encountered. The laboratory information was used in engineering analyses to develop recommendations for geotechnical aspects of site development. Details of the laboratory tests and a summary of the test results are presented in Appendix B.

The recommendations presented herein are based on analysis of the data and observations obtained during field investigations, and our experience with similar soil and geologic conditions. Additional references reviewed to prepare this report are provided in the *List of References*.

2. SITE AND PROJECT DESCRIPTION

The overall site consists of two properties located on either side of Oak Knoll Road, south of Poway Road, east of Pomerado Road, and west of Carriage Road. The northern portion of the site (north of Oak Noll Road) consists of approximately 10-acres of essentially undeveloped land, except for a

single-family residence and several associated structures along the southwestern property boundary. The southern portion (south of the Oak Knoll Road) consists of two parcels of land. The western parcel is undeveloped, and the eastern parcel is occupied by a single-family residence.

Topographically, the southern property is relatively flat with an elevation of approximately 446 feet Mean Sea Level (MSL) to 448 feet MSL and the northern property is level to moderately sloping with elevations ranging from approximately 449 feet MSL to 495 feet MSL. Poway Creek is located along the southern boundary of the southern parcels. A flood elevation of 447 feet MSL is shown on the Tentative Map. A tributary to Poway Creek exists along the northwest property boundary of the northern parcel. The tributary has been channelized and outlets into a storm drain system beneath Oak Knoll Road, constructed as part of the existing residential development to the west. Surface drainage across the northern property is primarily to the south and southwest towards Oak Knoll Road. The southern property drains to the south and southwest into Poway Creek.

Vegetation within the development footprint consists of natural low-lying grasses and some isolated small trees. A large portion of the northern property has been cleared, fenced, and covered with gravel to support an equipment storage yard for a San Diego Gas and Electric subcontractor. Heavy vegetation consisting of large trees and shrubs exist along the southern margin of the south parcels.

Based on review of the Tentative Map, the properties will be developed to create 64 single-family residences, including 60-lots on the northern property and 4-lots on the southern property. The northern development includes a loop road off of Oak Knoll Road that also connects to Roca Grande Drive to the northeast. Associated storm water BMP's, underground utilities, and retaining walls are also planned.

Grading will consist of maximum cut and fill depths of approximately 16 feet and 4 feet, respectively, not considering remedial grading. Cut and fill slopes with maximum heights of approximately 30 feet and 4 feet, respectively, are planned and designed at an inclination of 2:1 (horizontal:vertical) or flatter. Several retaining walls are shown on both properties that range from approximately 1-foot to 6-feet in height. A rear-yard retaining wall is shown along the south development boundary of the southern property to raise building pad elevations above the flood elevation of 447 feet (MSL).

The locations and descriptions of the site and proposed development above are based on our recent and previous field study and review of the project Tentative Map. If development plans differ significantly from those described herein, Geocon Incorporated should be contacted for review and possible revisions to this report.

3. SOIL AND GEOLOGIC CONDITIONS

Four surficial soil types and two geologic formations were encountered during the field investigation. The surficial deposits consist of undocumented fill, alluvium, colluvium, and terrace deposits. The formational units includes the Eocene-age Friars Formation and Cretaceous-age granodiorite (granitic rock). Each of the surficial soils and geologic units encountered are described in order of increasing age. The approximate extent of the surficial deposits and formational materials are shown on the Geologic Map, Figure 2.

3.1 Undocumented Fill (Qudf)

Undocumented fill embankments cover the majority of both properties. The fill is approximately 6-feet thick along the southern boundary of Lots 61 through 64 (adjacent to Poway Creek). However, within the development footprint, these materials generally range from 1 to 2-feet-thick with the exception of the west margin of the northern parcel where the fill may be up to 5-feet-thick. The undocumented fill is unsuitable for support of additional fill or structural loading in its present condition and will require complete removal and compaction within areas of planned development.

3.2 Alluvium (Qal)

Alluvial deposits were encountered in Trench T-1 beneath the undocumented fill. Alluvium may also extend into the proposed roadway area northwest of Lots 23, 49 and 50. These deposits generally consist of very loose, wet, sandy gravel with silt and clay. The alluvium is compressible and will require removal and compaction if encountered in areas of planned development.

3.3 Colluvium (Qc)

Colluvial deposits were encountered in Trenches T-10 and T-11 overlying the granitic rock or terrace deposits. These deposits were up to 10-feet-thick and consist of dry to damp silty/clayey sand with pinhole porosity. The colluvium is considered hydro-compressible and will require removal and compaction.

3.4 Terrace Deposits (Qt)

Terrace deposits were encountered across the majority of both properties as encountered in Trenches T-2 through T-10. These deposits overly granitic rock and Friars Formation and where encountered, were up to 12-feet-thick. The terrace deposits generally consist of damp to moist, medium stiff to very stiff sandy clay and moist to wet, medium dense clayey gravel with cobble. In general, the terrace deposits are currently considered unsuitable for additional fill or structural loading and will require removal and compaction. However, it is possible that a portion of these deposits can be left in-place upon further testing.

3.5 Friars Formation (Tf)

The Eocene-age Friars Formation was encountered beneath the surficial soils across both properties and overlies the granitic rock. This formation typically consists of dense sandstones, hard claystones, and siltstones. The Friars Formation is suitable for support of additional fill or structural loads.

3.6 Granodiorite (Kgd)

Cretaceous-age Granodiorite (granitic rock) underlies the sedimentary deposits and is exposed in the north and northeast portion of the northern property. Based on observations made during the field exploration, site reconnaissance, and rock rippability study, the granitic rock exhibits a variable weathering pattern ranging from highly weathered, decomposed rock to outcrops of slightly weathered, extremely strong rock that will require blasting to excavate. The granitic unit generally exhibits adequate bearing and slope stability characteristics. Cut slopes excavated within the granitic rock should be stable to the proposed heights if free of adversely oriented joints or fractures.

The soils derived from excavations within the decomposed granitic rock are anticipated to consist of low-expansive, silty, medium- to coarse-grained sands and should provide suitable foundation support in either a natural or properly compacted condition. Excavations within the granitic rock may generate boulders and oversize materials (rocks ≥12 inches in nominal dimension) that will require special handling and placement as recommended hereinafter.

4. RIPPABILITY AND ROCK CONSIDERATIONS

We performed a rock rippability evaluation consisting of drilling 10 air-track borings in proposed cut areas. We performed the study with an Ingersoll-Rand ECM 490 equipped with a 4-inch-diameter bit. Drill penetration rates were used to evaluate rock rippability and to estimate the depth at which difficult excavation will occur. Rock rippability is a function of natural weathering processes that can vary vertically and horizontally over short distances depending on jointing, fracturing, and/or mineralogic discontinuities within the bedrock.

A frequently used guideline to equate rock rippability to drill penetration rate is that a penetration rate of approximately 0 to 20 seconds per foot (spf) generally indicates rippable material, 20 to 30 spf indicates marginally to non-rippable material, and greater than 30 spf indicates non-rippable rock. These general guidelines are typically based on drill rates using a rotary percussion drill rig similar to an Ingersoll Rand ECM 360 with a 3½-inch drill bit. The penetration rates (recorded in seconds per foot) for the air track boring are presented in Appendix A, Figures A-12 through A-21.

The rippability designations discussed above are based on the use of a D9 or equivalent bulldozer equipped with a single shank ripper. Rippable materials can be excavated with moderate to heavy

effort. Marginally rippable includes very heavy ripping and isolated zones of probable blasting. Non-rippable materials will require blasting to excavate the rock.

The estimated thickness of rippable material for each air track boring is presented on Figure 2 (map pocket). Perspective contractors should use their own judgment to identify the penetration rate boundary between productive and non-productive ripping and, rippable and non-rippable rock. We used a threshold of 20 spf to indicate the thickness of rippable material next to each boring on the geologic map.

Based on an air track penetration rate of 20 spf, it is expected that the rippability characteristics will vary. The air-track borings indicate that, where fresh rock is not exposed near the surface (e.g., boulders), the granitic rock is characterized by a rippable weathered mantle varying from approximately 4 to 20-feet-thick. Excavations greater than these depths will encounter difficult ripping conditions and may requiring blasting techniques and can be expected to generate oversized rock (rocks ≥12 inches in dimension), which will necessitate typical hard rock handling, sizing, and placement procedures during grading operations. Proposed cuts in the weathered mantle may also generate oversized fragments.

Estimates of the anticipated volume of hard rock materials generated from proposed excavations should be evaluated based on the information from each boring and drill penetration rate criteria acceptable to the contractor. Roadway/utility corridors and lot undercutting criteria should also be considered when calculating the volume of hard rock. In addition, a volumetric evaluation should be performed to determine if there are available fill placement areas considering the rock hold down criteria.

Earthwork construction should be carefully planned to efficiently utilize available rock placement areas. Oversize materials should be placed in accordance with rock placement procedures presented in Appendix D of this report and governing jurisdictions.

5. GROUNDWATER/SEEPAGE

Groundwater/seepage was encountered in the exploratory trenches (T-1 through T-3, T-5 through T-8, and T-11) adjacent to Poway Creek and other areas of the site at depths ranging between 6 feet and 11 feet below the ground surface. It appears that the groundwater is perched above the alluvium/colluvium/terrace deposit contact with the underlying Friars Formation or granitic rock. We encountered seepage in exploratory trenches T-9 and T-10 at depths ranging from 8 feet to 11 feet below the ground surface. We performed the field investigation in May 2022 during a regional drought. The seepage encountered in the trenches was likely associated with previous rain and irrigation.

Groundwater levels in drainage areas can be expected to fluctuate seasonally and may affect grading. In this regard, grading may encounter wet to saturated soils conditions causing excavation and compaction difficulty, particularly if construction is planned during the rainy season. Remedial grading of surficial deposits near the tributary (Trench T-11) or Poway Creek, if any, will encounter shallow groundwater and wet to saturated soils requiring specialized excavation equipment, possible dewatering and drying of the material to facilitate proper compaction.

6. GEOLOGIC HAZARDS

6.1 Ground Rupture

USGS (2016) shows that there are no mapped Quaternary faults crossing or trending toward the property. In addition, the site is not located within a currently established Alquist-Priolo Earthquake Fault Zone.

The nearest known active faults are the Newport-Inglewood/Rose Canyon Fault Zone, located approximately 15 miles west of the subject site. Based on this study, it is our opinion that the risk associated with ground rupture hazard is considered low.

6.2 Seismicity

The San Diego County and Southern California region is seismically active. Considerations important in seismic design include the frequency and duration of motion and the soil conditions underlying the site. Seismic design of structures should be performed in accordance with the California Building Code (CBC) guidelines currently adopted by the local agency. The risk associated with strong ground shaking due to earthquakes at the site is no greater than that for the region.

6.3 Liquefaction

Liquefaction typically occurs when a site is located in a zone with seismic activity, onsite soils are cohesionless, groundwater is encountered within 50 feet of the surface, and soil densities are less than about 70 percent of the maximum dry densities. If all four criteria are met, a seismic event could result in a rapid increase in pore water pressure from the earthquake-generated ground accelerations. The potential for liquefaction at the site is considered to be negligible due to the dense formational material encountered and remedial grading.

6.4 Tsunamis and Seiches

The risk associated with tsunamis and seiches hazard at the project is low due to the site elevation and the absence of an upstream body of water.

6.5 Landslides

We did not encountered landslides within the site or mapped any landslides within the immediate areas influencing the project. In our opinion, the risk associated with landslide hazard is low.

6.6 Flooding

The County of San Diego Multi-Jurisdictional Hazard Mitigation Plan, dated October 2017, indicates that the southern property (Lots 61 through 64) is located within a 500-year floodplain.

A review of the Tentative Map indicates that proposed grades for the southern property will be raised above the 500-year floodplain elevation. Therefore, the risk associated with inundation by flooding is considered low due to the proposed grading.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 General

7.1.1 No soil or geologic conditions were encountered during this study that would preclude development of the property as presently proposed provided the recommendations of this report are followed.

7.1.2 Undocumented fill, alluvium, colluvium, and terrace deposits are not suitable for the support of fill or structural loading in their present condition and will require removal and compaction in areas of planned development. The suitability of portions of the terrace deposits to be left in place may be evaluated during grading.

7.1.3 Remedial grading along Oak Knoll Road and the existing subdivisions east and west of the northern property will likely be impacted by the proximity of proposed development to existing improvements. These areas will require evaluation on a case-by-case basis and additional recommendations may be necessary where the limits of remedial grading are constrained. Slot cutting may be necessary along the west boundary and oak knoll road where remedial grading will be performed adjacent to the existing wall and roadway.

7.1.4 Hard rock is present within proposed cut area along the northeast property boundary and will require special consideration during site development. Excavations within the granitic rock that extend below the weathered mantle or where fresh core stones are exposed at grade will likely require blasting to facilitate the excavations. We anticipate that excavations performed during grading operations will generate oversize materials (rock fragments >12 inches) that will require special handling and fill placement procedures. Oversize materials should be placed in accordance with grading recommendations presented in Appendix D.

7.1.5 We encountered groundwater/seepage and perched water conditions during the field investigation. Dependent upon seasonal conditions at the time of grading, remedial grading of surficial deposits along the natural drainages may encounter wet to saturated materials and groundwater resulting in possible excavation and fill placement difficulties. Saturated soil conditions and shallow groundwater should be anticipated. Dewatering and/or use of specialized equipment may be required to excavate the surficial deposits. Overly wet soils may require spreading and drying and/or mixing with drier materials to reduce the moisture content so that compaction can be achieved.

7.1.6 An earthwork analysis should be performed to determine if there is an adequate volume of fill area available to accommodate the anticipated volume of blasted/oversize materials. This

study should consider the proposed grading, rippability information contained in this report, rock placement requirements and include proposed undercutting (pads and streets). Rock crushing may be necessary if the amount of oversize rock generated exceeds the available fill volume based on the project rock placement specifications.

7.1.7 An engineering geologist should observe cut slopes during grading to check that the soil and geologic conditions do not differ significantly from those anticipated. Scaling of loose rocks to remain in-place above planned cut slopes may be necessary.

7.1.8 Grading along the western limits of the north property (Lots 51 through 60) is planned next to an existing retaining wall. If during remedial grading the drainage measures for this wall are found to consist of weepholes along the base of the wall, a subdrain system should be constructed in front of the weepholes to maintain wall drainage. This condition may necessitate an easement. The subdrain, if needed, should outlet into the storm drain system to the south. The subdrain should consist of a 4-inch diameter perforated Schedule 40 PVC pipe surrounded by at least 1 cubic foot of ¾-inch crushed rock and wrapped in filter fabric (Mirafi 140N, or equivalent).

7.1.9 Subsurface conditions observed may be extrapolated to reflect general soil/geologic conditions; however, some variations in subsurface conditions between trench locations should be anticipated.

7.2 Excavation and Soil Characteristics

7.2.1 The soils encountered in the field investigation are considered to be both “non-expansive (expansion index [EI] less than 20) and “expansive” (expansion index [EI] of 20 or more) as defined by 2019 California Building Code (CBC) Section 1803.5.3. Table 7.2 presents soil classifications based on the expansion index. The soil materials observed on site are anticipated to have a “very low” to “low” expansion potential (expansion index of 50 or less).

TABLE 7.2
EXPANSION CLASSIFICATION BASED ON EXPANSION INDEX

Expansion Index (EI)	ASTM 4829 Expansion Classification	2019 CBC Expansion Classification
0 – 20	Very Low	Non-Expansive
21 – 50	Low	Expansive
51 – 90	Medium	
91 – 130	High	
Greater Than 130	Very High	

7.2.2 Excavation of the surficial deposits should be possible with light to moderate effort using conventional heavy-duty equipment. Excavating within the granitic rock will generally vary in difficulty with the depth of excavation depending on the degree of weathering. It is anticipated that the majority of the proposed excavations will encounter moderate to heavy ripping with conventional heavy-duty equipment. Blasting will be required where excavations extend beyond the weathered granitic rock mantle and where unweathered boulders or "core" stones are encountered in proposed granitic rock cut areas. Oversize rock (material >12 inches) should be placed in accordance with *Recommended Grading Specifications* (Appendix D) and the requirements of the governing agency. Oversize rock may require breakage to acceptable sizes or exportation from the property. Placement of oversize rock within the area of proposed underground utilities should not be permitted.

7.3 Corrosion

7.3.1 The laboratory test results indicate that the near-surface on-site materials at the locations tested possess *Not Applicable* sulfate severity and *S0* exposure to concrete structures as defined by 2019 CBC Section 1904 and ACI 318-14 Chapter 19. Table 7.3 presents a summary of concrete requirements set forth by 2019 CBC Section 1904 and ACI 318. ACI guidelines should be followed when determining the type of concrete to be used. The presence of water-soluble sulfates is not a visually discernible characteristic; therefore, other soil samples from the site could yield different concentrations. Additionally, over time landscaping activities (i.e., addition of fertilizers and other soil nutrients) may affect the concentration.

TABLE 7.3
REQUIREMENTS FOR CONCRETE EXPOSED TO SULFATE-CONTAINING SOLUTIONS

Exposure Class		Water-Soluble Sulfate (SO_4) Percent by Weight	Cement Type (ASTM C 150)	Maximum Water to Cement Ratio by Weight[1]	Minimum Compressive Strength (psi)
S0		SO_4<0.10	No Type Restriction	n/a	2,500
S1		0.10≤SO_4<0.20	II	0.50	4,000
S2		0.20≤SO_4≤2.00	V	0.45	4,500
S3	Option 1	SO_4>2.00	V+Pozzolan or Slag	0.45	4,500
	Option 2		V	0.40	5,000

[1] Maximum water to cement ratio limits do not apply to lightweight concrete

7.3.2 Geocon Incorporated does not practice in the field of corrosion engineering; therefore, further evaluation by a corrosion engineer may be needed to incorporate the necessary

precautions to avoid premature corrosion of underground pipes and buried metal in direct contact with the soils.

7.4 Slope Stability - General

7.4.1 A slope stability analysis for the proposed 30-foot high cut slope was performed utilizing average drained direct shear strength parameters from the laboratory test results and our experience with similar materials. These analyses indicate that the proposed 2:1 cut slopes, constructed of on-site materials, should have calculated factors of safety of at least 1.5 under static conditions for both deep-seated failure and shallow sloughing conditions to heights of at least 30 feet. Generalized slope stability calculations for both deep-seated and surficial slope stability are presented on Figures 3 and 4.

7.4.2 Although rare, the most common mode of instability for rock slopes are shallow wedge failures from intersecting fault planes or clay filled joints/fractures dipping out of slope. In this regard, the structural measurements obtained during our studies did not reveal such conditions. It is recommended, however, that all slope excavations proposed on the site be observed during grading by an engineering geologist to confirm that geologic conditions do not differ significantly from those anticipated. In the event that adverse conditions are observed, stabilization recommendations can be provided.

7.4.3 Fill slopes should be compacted by backrolling with a loaded sheepsfoot roller at vertical intervals not to exceed 4 feet and should be track-walked at the completion of each slope such that the fill soils are uniformly compacted to at least 90 percent relative compaction to the face of the finished sloped. Alternatively, the fill slope may be over-built at least 3 feet and cut back to yield a properly compacted slope face.

7.4.4 Where fill slopes and fill-over-cut slopes are planned, a 15-foot-wide, 2-foot-deep, undrained keyway should be constructed prior to placing compacted fill. The keyway should be constructed with a minimum 5 percent inclination away from the toe of slope.

7.4.5 All slopes should be landscaped with drought-tolerant vegetation, having variable root depths and requiring minimal landscape irrigation. In addition, all slopes should be drained and properly maintained to reduce erosion.

7.5 Grading

7.5.1 All grading should be performed in accordance with the *Recommended Grading Specifications* contained in Appendix D. Where the recommendations of Appendix D conflict with this report, the recommendations of this report should take precedence.

7.5.2 Prior to commencing grading, a preconstruction conference should be held at the site with the owner or developer, grading contractor, civil engineer, and geotechnical engineer in attendance. Special soil handling and the grading plans can be discussed at that time.

7.5.3 Grading should be performed in conjunction with the observation and compaction testing services of Geocon Incorporated.

7.5.4 Site preparation should begin with the removal of existing structures, improvements, deleterious material and vegetation in areas of planned development. The depth of removal should be such that material exposed in cut areas or soils to be used as fill is relatively free of organic matter. Material generated during stripping and/or site demolition should be exported from the site.

7.5.5 All potentially compressible surficial soils (undocumented fill, alluvium, colluvium, and terrace deposits) within areas of planned grading should be removed to formational materials and properly compacted prior to placing additional fill and/or structural loads. The suitability of leaving portions of the terrace deposits in-place should be evaluated during grading.

7.5.6 Where not restricted by property boundaries, protected open space or exiting improvements, removal of compressible surficial soils should extend beyond structural areas a horizontal distance equal to the depth of the removal (see Figure 5 for general information). This condition occurs at the south of Lots 61 through 64. The actual extent of unsuitable soil removals will be determined in the field during grading by the geotechnical engineer and/or engineering geologist.

7.5.7 We expect groundwater/perched water conditions will be encountered in removal areas performed at or near Poway Creek and the other areas noted on the trench logs. Wet to saturated soil and perched water may also be encountered in the surficial deposits located near the natural drainages, especially, if grading is performed during the rainy season. Remedial grading of surficial deposits in these areas will likely result in possible excavation and fill placement difficulties. Dewatering and/or use of specialized equipment may be

required to excavate the alluvium, colluvium, and terrace deposits. Overly wet materials will require spreading and drying and/or mixing with drier materials to reduce the moisture content so that compaction can be achieved.

7.5.8 If complete removal of compressible material cannot be performed at or near the creek or other areas of the site due to groundwater conditions, alternative measures such as surcharge loading with settlement monitoring may be required. Geocon Incorporated will provide alternate recommendations, if needed, based on conditions encountered during grading.

7.5.9 After removal of unsuitable material as recommended above, the base of excavations to receive fill (where practical) should be scarified approximately 12 inches, moisture conditioned, and compacted.

7.5.10 Grading should be conducted so that high expansive soils (EI >90) are placed in the deeper fill areas at least three feet below proposed finish grade elevations and at least 15 feet from the face of fill slopes. Where practical, the upper three feet of graded areas (cut or fill) should consist of properly compacted very low to low (EI $\leq$50) expansive granular soils. Medium expansive soils (EI $\leq$90) may also be used to achieve design grades.

7.5.11 Capping material refers to select material placed within three feet from building pad grade and parkway/roadway grade. This material should consist of soil fill with an approximate maximum particle dimension of 6 inches with a minimum of 40 percent soil passing the ¾-inch sieve and should have at least 20 percent of the soil passing the No. 4 screen. Based on subsurface information presented in Appendix A, most capping material generally can be obtained from the granitic rock and colluvium. Soils with an expansion potential (EI) of greater than 90 are not suitable for capping and should be placed in the deeper fill areas or at least three feet below design grade across the site and 15 feet from face of slopes. The grading contractor should take necessary steps to manage the available soils to cap the project.

7.5.12 Consideration may also be given to over-excavate (mine) the weathered portions of the granitic rock to generate additional capping material and to provide additional areas for disposal of oversize rock material, if needed.

7.5.13 The site should be brought to final subgrade elevations with structural fill compacted in layers. In general, soils native to the site are suitable for re-use as fill if free from vegetation, debris and other deleterious material. Layers of fill should be no thicker than will allow for adequate bonding and compaction. All fill, including backfill and scarified ground surfaces,

should be compacted to at least 90 percent of laboratory maximum dry density at or above optimum moisture content, as determined in accordance with ASTM D1557. Fill materials below optimum moisture content will require additional moisture conditioning prior to placing additional fill.

7.5.14 Recommendations for the handling and disposal of oversized rock in fill areas are presented on Figure 6. In general, structural fill placed and compacted at the site should consist of material that can be classified into four zones:

Zone A: Material placed within 3 feet from building pad grade and, parkways and street grade should consist of soil fill with an approximate maximum particle dimension of 6 inches with a minimum of 40 percent of the soil passing the ¾-inch sieve and should have at least 20 percent of the soil passing the No. 4 sieve.

Zone B: Soil fill with rock up to 1 foot in maximum dimension. See Figure 6 for minimum thickness of zone.

Zone C: Rock fill or soil-rock fill generally consisting of 2 foot minus rock material with occasional rock up to 4 foot in maximum dimension. Alternatively, rock 2 to 4 feet in maximum dimension can be placed in window rows spaced a minimum of 12 feet. The voids around and beneath the rock should be filled with soil possessing a sand equivalent of at least 30. Zone C should terminate at least 2 feet below lowest utility.

Zone D: Soil fill with rock up to 1 foot in maximum dimension. See Figure 6 for minimum thickness of zone.

7.5.15 Blasting of rock material should be performed to maximize breakage to 2-foot minus material. Although not anticipated "rock fill" placement should generally be limited to 2-foot-thick horizontal layers and compacted using rock trucks and bulldozers. Significant volumes of water will be required during rock fill placement.

7.5.16 Based on the Tentative Map, grading will result in fill to formation transitions across several building pads. A transition condition is defined where formation is located within three feet of finish pad grade. To reduce the potential for differential settlement, the formation portion of the transition should be over-excavated (undercut) at least three feet below proposed finish grade and replaced with properly compacted very low to low expansive fill soil. As a minimum, the building pads should be provided with medium expansive soil (EI $\underline{\leq}$90). Overexcavations should be cut at a gradient toward the deepest fill area or streets to provide drainage for moisture migration along the contact between the formation and compacted fill.

7.5.17 Cut pads exposing granitic rock should be undercut at least three feet and replaced with properly compacted very low to low expansive soil to facilitate excavation of foundations and shallow utilities. As a minimum, fill should consist of medium expansive soil (EI $\leq$90).

7.5.18 Where the streets are located in cut areas composed of granitic rock, roadways should be undercut to a depth of at least 2 feet below the lowest utility.

7.5.19 In order to maintain safety and the stability of adjacent improvements, it is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with the applicable OSHA rules and regulations.

7.5.20 Imported materials (if required), should consist of granular very low to low expansive soils (EI $\leq$50) and, should be free of oversize rock (greater than 6 inches) and construction debris Prior to importing the material, samples from proposed borrow areas should be obtained and subjected to laboratory testing to determine if the material conforms to the recommended criteria. The grading contractor should allow at least four days for completion of the laboratory testing and schedule grading accordingly.

7.6 Seismic Design Criteria

7.6.1 Table 7.6.1 summarizes site-specific design criteria obtained from the 2019 California Building Code (CBC; Based on the 2018 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. We used the computer program *U.S. Seismic Design Maps*, provided by the Structural Engineers Association (SEA) to calculate the seismic design parameters. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2019 CBC and Table 20.3-1 of ASCE 7-16. The values presented herein are for the risk-targeted maximum considered earthquake (MCE_R). Sites designated as Site Class D, E and F may require additional analyses if requested by the project structural engineer and client.

TABLE 7.6.1
2019 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2019 CBC Reference
Site Class	C	Section 1613.2.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	0.798g	Figure 1613.2.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.295g	Figure 1613.2.1(2)
Site Coefficient, F_A	1.2	Table 1613.2.3(1)
Site Coefficient, F_V	1.5*	Table 1613.2.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	0.958g	Section 1613.2.3 (Eqn 16-36)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	0.442g*	Section 1613.2.3 (Eqn 16-37)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	0.639g	Section 1613.2.4 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.295g*	Section 1613.2.4 (Eqn 16-39)

***** Using the code-based values presented in this table, in lieu of a performing a ground motion hazard analysis, requires the exceptions outlined in ASCE 7-16 Section 11.4.8 be followed by the project structural engineer. Per Section 11.4.8 of ASCE/SEI 7-16, a ground motion hazard analysis should be performed for projects for Site Class "E" sites with Ss greater than or equal to 1.0g and for Site Class "D" and "E" sites with S1 greater than 0.2g. Section 11.4.8 also provides exceptions which indicates that the ground motion hazard analysis may be waived provided the exceptions are followed.

7.6.2 Table 7.6.2 presents the mapped maximum considered geometric mean (MCE_G) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16.

TABLE 7.6.2
ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.342g	Figure 22-7
Site Coefficient, F_{PGA}	1.2	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.41g	Section 11.8.3 (Eqn 11.8-1)

7.6.3 Conformance to the criteria in Tables 7.6.1 and 7.6.2 for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will

not occur in the event of a large earthquake. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

7.6.4 The project structural engineer and architect should evaluate the appropriate Risk Category and Seismic Design Category for the planned structures. The values presented herein assume a Risk Category of II and resulting in a Seismic Design Category D. Table 7.6.3 presents a summary of the risk categories in accordance with ASCE 7-16.

TABLE 7.6.3
ASCE 7-16 RISK CATEGORIES

Risk Category	Building Use	Examples
I	Low risk to Human Life at Failure	Barn, Storage Shelter
II	Nominal Risk to Human Life at Failure (Buildings Not Designated as I, III or IV)	Residential, Commercial and Industrial Buildings
III	Substantial Risk to Human Life at Failure	Theaters, Lecture Halls, Dining Halls, Schools, Prisons, Small Healthcare Facilities, Infrastructure Plants, Storage for Explosives/Toxins
IV	Essential Facilities	Hazardous Material Facilities, Hospitals, Fire and Rescue, Emergency Shelters, Police Stations, Power Stations, Aviation Control Facilities, National Defense, Water Storage

7.7 Foundation and Concrete Slabs-On-Grade Recommendations

7.7.1 The foundation recommendations herein are for proposed one- to three-story residential structures. The foundation recommendations have been separated into three categories based on either the maximum and differential fill thickness or Expansion Index. The foundation category criteria are presented in Table 7.7.1.

TABLE 7.7.1
FOUNDATION CATEGORY CRITERIA

Foundation Category	Maximum Fill Thickness, T (Feet)	Differential Fill Thickness, D (Feet)	Expansion Index (EI)
I	T<20	--	EI≤50
II	20≤T<50	10≤D<20	50<EI≤90
III	T≥50	D≥20	90<EI≤130

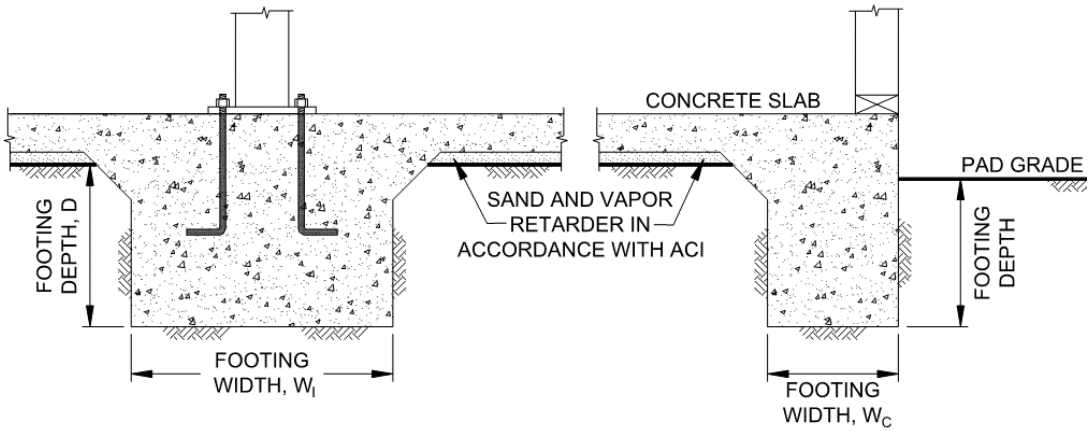
7.7.2 We will provide final foundation categories for each building or lot after finish pad grades have been achieved, the underlying fill-bedrock geometry is evaluated and we perform laboratory testing of the subgrade soil.

7.7.3 Table 7.7.2 presents minimum foundation and interior concrete slab design criteria for conventional foundation systems.

TABLE 7.7.2
CONVENTIONAL FOUNDATION RECOMMENDATIONS BY CATEGORY

Foundation Category	Minimum Footing Embedment Depth, D (inches)	Minimum Continuous Footing Reinforcement	Minimum Footing Width (Inches)
I	12	Two No. 4 bars, one top and one bottom	12 – Continuous, W_C 24 – Isolated, W_I
II	18	Four No. 4 bars, two top and two bottom	
III	24	Four No. 5 bars, two top and two bottom	

7.7.4 The foundations should be embedded in accordance with the recommendations herein and the Wall/Column Footing Dimension Detail. The embedment depths should be measured from the lowest adjacent pad grade for both interior and exterior footings. Footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope (unless designed with a post-tensioned foundation system as discussed herein).



Wall/Column Footing Dimension Detail

7.7.5 The proposed structures can be supported on a shallow foundation system founded in the compacted fill/formational materials. Table 7.7.3 provides a summary of the foundation design recommendations.

TABLE 7.7.3
SUMMARY OF FOUNDATION RECOMMENDATIONS

Parameter	Value
Allowable Bearing Capacity	2,000 psf
Bearing Capacity Increase	500 psf per Foot of Depth
	300 psf per Foot of Width
Maximum Allowable Bearing Capacity	4,000 psf
Estimated Total Static Settlement*	1 Inch
Estimated Differential Static Settlement*	½ Inch in 40 Feet

7.7.6 The bearing capacity values presented herein are for dead plus live loads and may be increased by one-third when considering transient loads due to wind or seismic forces.

7.7.7 The concrete slab-on-grades should be a designed in accordance with Table 7.7.4.

TABLE 7.7.4
CONVENTIONAL SLAB-ON-GRADE RECOMMENDATIONS BY CATEGORY

Foundation Category	Minimum Concrete Slab Thickness (inches)	Interior Slab Reinforcement	Typical Slab Underlayment
I	4	6 x 6 - 10/10 welded wire mesh at slab mid-point	3 to 4 Inches of Sand/Gravel/Base
II	4	No. 3 bars at 24 inches on center, both directions	
III	5	No. 3 bars at 18 inches on center, both directions	

7.7.8 Slabs that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder. The vapor retarder design should be consistent with the guidelines presented in the American Concrete Institute's (ACI) *Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials* (ACI 302.2R-06). The vapor retarder used should be specified by the project architect or developer based

on the type of floor covering that will be installed and if the structure will possess a humidity controlled environment.

7.7.9 The bedding sand thickness should be determined by the project foundation engineer, architect, and/or developer. However, we should be contacted to provide recommendations if the bedding sand is thicker than 6 inches. It is common to see 3 inches and 4 inches of sand below the concrete slab-on-grade for 5-inch and 4-inch thick slabs, respectively, in the southern California area. The foundation design engineer should provide appropriate concrete mix design criteria and curing measures to assure proper curing of the slab by reducing the potential for rapid moisture loss and subsequent cracking and/or slab curl. We suggest that the foundation design engineer present the concrete mix design and proper curing methods on the foundation plans. It is critical that the foundation contractor understands and follows the recommendations presented on the foundation plans.

7.7.10 As an alternative to the conventional foundation recommendations, consideration should be given to the use of post-tensioned concrete slab and foundation systems for the support of the proposed structures. The post-tensioned systems (foundation dimensions and embedment depths, slab thickness and steel placement) should be designed by a structural engineer experienced in post-tensioned slab design and design criteria of the Post-Tensioning Institute (PTI) DC 10.5-12 *Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive Soils* or *WRI/CRSI Design of Slab-on-Ground Foundations*, as required by the 2019 California Building Code (CBC Section 1808.6.2). Although this procedure was developed for expansive soil conditions, it can also be used to reduce the potential for foundation distress due to differential fill settlement. The post-tensioned design should incorporate the geotechnical parameters presented in Table 7.7.5 for the particular Foundation Category designated. The parameters presented in Table 7.7.5 are based on the guidelines presented in the PTI DC 10.5 design manual.

TABLE 7.7.5
POST-TENSIONED FOUNDATION SYSTEM DESIGN PARAMETERS

Post-Tensioning Institute (PTI) DC10.5 Design Parameters	Foundation Category		
	I	II	III
Thornthwaite Index	-20	-20	-20
Equilibrium Suction	3.9	3.9	3.9
Edge Lift Moisture Variation Distance, e_M (Feet)	5.3	5.1	4.9
Edge Lift, y_M (Inches)	0.61	1.10	1.58
Center Lift Moisture Variation Distance, e_M (Feet)	9.0	9.0	9.0
Center Lift, y_M (Inches)	0.30	0.47	0.66

7.7.11 The foundations for the post-tensioned slabs should be embedded in accordance with the recommendations of the structural engineer. If a post-tensioned mat foundation system is planned, the slab should possess a thickened edge with a minimum width of 12 inches and extend below the clean sand or crushed rock layer.

7.7.12 If the structural engineer proposes a post-tensioned foundation design method other than PTI, DC 10.5:

- The deflection criteria presented in Table 7.7.5 are still applicable.
- Interior stiffener beams should be used for Foundation Categories II and III.
- The width of the perimeter foundations should be at least 12 inches.
- The perimeter footing embedment depths should be at least 12 inches, 18 inches and 24 inches for foundation categories I, II, and III, respectively. The embedment depths should be measured from the lowest adjacent pad grade.

7.7.13 Foundation systems for the lots that possess a foundation Category I and a "very low" expansion potential (expansion index of 20 or less) can be designed using the method described in Section 1808 of the 2019 CBC. If post-tensioned foundations are planned, an alternative, commonly accepted design method (other than PTI) can be used. However, the post-tensioned foundation system should be designed with a total and differential deflection of 1 inch. Geocon Incorporated should be contacted to review the plans and provide additional information, if necessary.

7.7.14 If an alternate design method is contemplated, Geocon Incorporated should be contacted to evaluate if additional expansion index testing should be performed to identify the lots that possess a "very low" expansion potential (expansion index of 20 or less).

7.7.15 Our experience indicates post-tensioned slabs may be susceptible to excessive edge lift from tensioning, regardless of the underlying soil conditions. Placing reinforcing steel at the bottom of the perimeter footings and the interior stiffener beams may mitigate this potential. The structural engineer should design the foundation system to reduce the potential of edge lift occurring for the proposed structures.

7.7.16 During the construction of the post-tension foundation system, the concrete should be placed monolithically. Under no circumstances should cold joints form between the footings/grade beams and the slab during the construction of the post-tension foundation system unless designed by the structural engineer.

7.7.17 Isolated footings outside of the slab area, if present, should have the minimum embedment depth and width recommended for conventional foundations for a particular Foundation Category. The use of isolated footings, which are located beyond the perimeter of the building and support structural elements connected to the building, are not recommended for Category III. Where this condition cannot be avoided, the isolated footings should be connected to the building foundation system with grade beams in both directions. In addition, consideration should be given to connecting patio slabs, which exceed 5 feet in width, to the building foundation to reduce the potential for future separation to occur.

7.7.18 Interior stiffening beams should be incorporated into the design of the foundation system in accordance with the PTI design procedures.

7.7.19 Special subgrade presaturation is not deemed necessary prior to placing concrete; however, the exposed foundation and slab subgrade soil should be moisture conditioned, as necessary, to maintain a moist condition as would be expected in any such concrete placement.

7.7.20 Where buildings or other improvements are planned near the top of a slope 3:1 (horizontal:vertical) or steeper, special foundation and/or design considerations are recommended due to the tendency for lateral soil movement to occur.

- For fill slopes less than 20 feet high or cut slopes regardless of height, footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope.

- When located next to a descending 3:1 (horizontal:vertical) fill slope or steeper, the foundations should be extended to a depth where the minimum horizontal distance is equal to H/3 (where H equals the vertical distance from the top of the fill slope to the base of the fill soil) with a minimum of 7 feet but need not exceed 40 feet. The horizontal distance is measured from the outer, deepest edge of the footing to the face of the slope. A post-tensioned slab and foundation system or mat foundation system can be used to reduce the potential for distress in the structures associated with strain softening and lateral fill extension. Specific design parameters or recommendations for either of these alternatives can be provided once the building location and fill slope geometry have been determined.

- If swimming pools are planned, Geocon Incorporated should be contacted for a review of specific site conditions.

- Swimming pools located within 7 feet of the top of cut or fill slopes are not recommended. Where such a condition cannot be avoided, the portion of the swimming pool wall within 7 feet of the slope face be designed assuming that the adjacent soil provides no lateral support. This recommendation applies to fill slopes up to 30 feet in height, and cut slopes regardless of height. For swimming pools located near the top of fill slopes greater than 30 feet in height, additional

recommendations may be required and Geocon Incorporated should be contacted for a review of specific site conditions.

- Although other improvements, which are relatively rigid or brittle, such as concrete flatwork or masonry walls, may experience some distress if located near the top of a slope, it is generally not economical to mitigate this potential. It may be possible, however, to incorporate design measures which would permit some lateral soil movement without causing extensive distress. Geocon Incorporated should be consulted for specific recommendations.

7.7.21 The recommendations of this report are intended to reduce the potential for cracking of slabs and foundations due to expansive soil (if present), differential settlement of fill soil with varying thicknesses. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade placed on such conditions may still exhibit some cracking due to soil movement and/or shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.7.22 Concrete slabs should be provided with adequate crack-control joints, construction joints and/or expansion joints to reduce unsightly shrinkage cracking. The design of joints should consider criteria of the American Concrete Institute when establishing crack-control spacing. Additional steel reinforcing, concrete admixtures and/or closer crack control joint spacing should be considered where concrete-exposed finished floors are planned.

7.7.23 Geocon Incorporated should be consulted to provide additional design parameters as required by the structural engineer.

7.7.24 We should observe the foundation excavations prior to the placement of reinforcing steel to check that the exposed soil conditions are similar to those expected and that they have been extended to the appropriate bearing strata. If unexpected soil conditions are encountered, foundation modifications may be required.

7.8 Concrete Flatwork

7.8.1 The following recommendations apply to exterior flatwork where near surface soils are low to medium expansive (EI less than 90). Exterior slabs not subjected to vehicular traffic should be a minimum of 4 inches thick and reinforced with 6 x 6-6/6 welded wire mesh. The mesh should be placed in the middle of the slab. Proper mesh positioning is critical to future performance of the slabs. The contractor should take extra measures to provide proper mesh

placement. Prior to construction of slabs, the upper 12 inches of subgrade soils should be moisture conditioned at or slightly above optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density per ASTM 1557.

7.8.2 Where highly expansive soils (EI greater than 90) are present near finish grade, the following recommendations apply. Exterior slabs should be at least 5 inches thick and reinforced with No. 3 steel bars spaced 18 inches on center each direction positioned at the slab midpoint. Driveways should be constructed with a 6-inch deep slab edge (measured from the bottom of the slab). Slabs should be doweled to the building foundation where they abut the stem wall. Sidewalks should be doweled to the curbs. Prior to construction of slabs, the upper 12 inches of subgrade soils should scarified and moisture conditioned to **a minimum of 3% above optimum moisture content** just prior to placing the concrete. Moisture conditioning should be observed and checked by a representative of Geocon Incorporated.

7.8.3 Consideration should be given to adding concrete cut-off walls beneath exterior flatwork supported by highly expansive soils (EI greater than 90). The cut-off walls are recommended where any water (e.g. landscape) may migrate laterally beneath the flatwork and cause adverse soil movement. The cut-off walls should be located along the perimeter of the concrete slab adjacent to landscaping areas and extend at least 6-inches into the soil subgrade.

7.8.4 Concrete flatwork should be provided with crack control joints to reduce and/or control shrinkage cracking. Crack control spacing should be determined by the project structural engineer based upon the slab thickness and intended usage. Criteria of the American Concrete Institute (ACI) should be taken into consideration when establishing crack control spacing. A 4-inch-thick slab should have a maximum joint spacing of 10 feet. Subgrade soil for exterior slabs not subjected to vehicle loads should be compacted in accordance with criteria presented above prior to concrete placement. Subgrade soil should be properly compacted and the moisture content of subgrade soil should be checked prior to placing concrete.

7.8.5 Even with the incorporation of the recommendations within this report, the exterior concrete flatwork has a likelihood of experiencing some settlement due to potentially compressible and liquefiable soil beneath grade; therefore, the welded wire mesh should overlap continuously in flatwork to reduce the potential for vertical offsets within flatwork. Additionally, flatwork should be structurally connected to the curbs, where possible, to reduce the potential for offsets between the curbs and the flatwork.

7.8.6 The recommendations of this report are intended to reduce the potential for cracking of slabs due to expansive soil (if present), differential settlement of existing soil or soil with varying thicknesses. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade placed on such conditions may still exhibit some cracking due to soil movement and/or shrinkage. Periotic maintenance such as slab replacement and/or grinding of elevated slab margins may be necessary due to the highly expansive soils. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.9 Conventional Retaining Walls

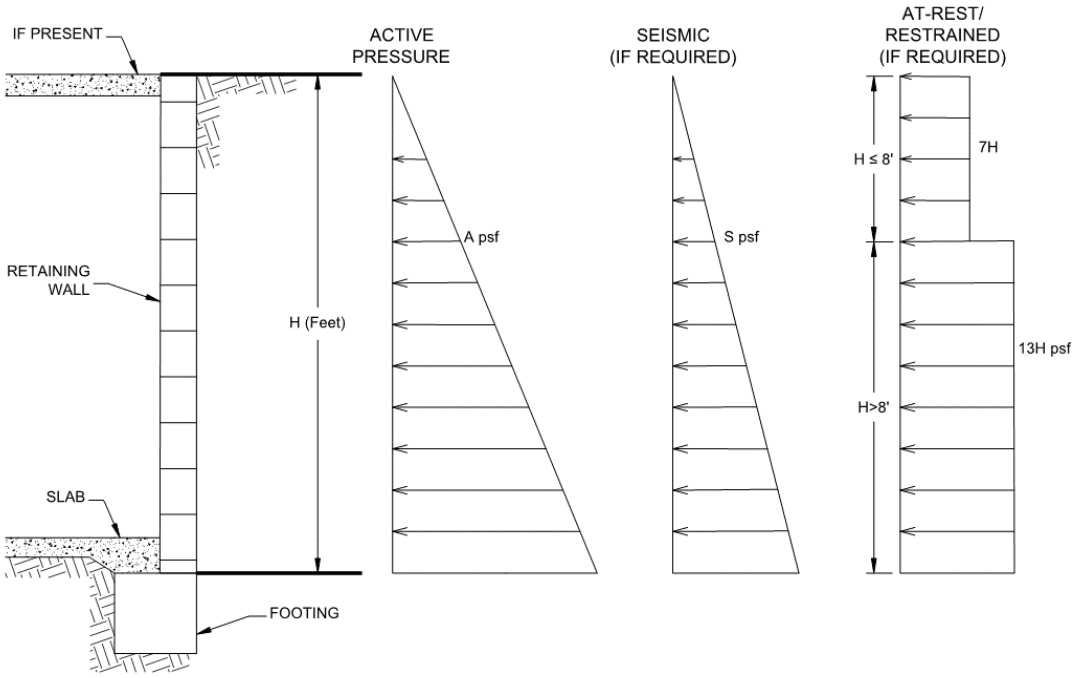
7.9.1 Retaining walls should be designed using the values presented in Table 7.9.1. Soil with an expansion index (EI) of greater than 50 should not be used as backfill material behind retaining walls.

TABLE 7.9.1
RETAINING WALL DESIGN RECOMMENDATIONS

Parameter	ValueP
Active Soil Pressure, A (Fluid Density, Level Backfill)	35 pcf
Active Soil Pressure, A (Fluid Density, 2:1 Sloping Backfill)	50 pcf
Seismic Pressure, S	18H psf
At-Rest/Restrained Walls Additional Uniform Pressure (0 to 8 Feet High)	8H psf
At-Rest/Restrained Walls Additional Uniform Pressure (8+ Feet High)	12H psf
Expected Expansion Index for the Subject Property	EI≤50

H equals the height of the retaining portion of the wall

7.9.2 The project retaining walls should be designed as shown in the Retaining Wall Loading Diagram.



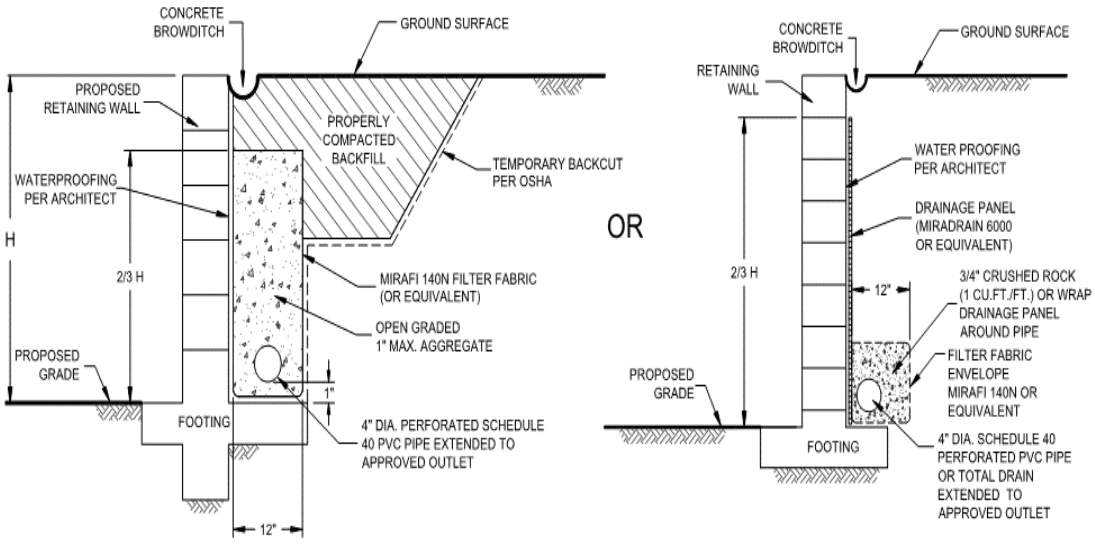
Retaining Wall Loading Diagram

7.9.3 Unrestrained walls are those that are allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall) at the top of the wall. Where walls are restrained from movement at the top (at-rest condition), an additional uniform pressure should be applied to the wall. For retaining walls subject to vehicular loads within a horizontal distance equal to two-thirds the wall height, a surcharge equivalent to 2 feet of fill soil should be added.

7.9.4 The structural engineer should determine the Seismic Design Category for the project in accordance with Section 1613.3.5 of the 2019 CBC or Section 11.6 of ASCE 7-16. For structures assigned to Seismic Design Category of D, E, or F, retaining walls that support more than 6 feet of backfill should be designed with seismic lateral pressure in accordance with Section 1803.5.12 of the 2019 CBC. The seismic load is dependent on the retained height where H is the height of the wall, in feet, and the calculated loads result in pounds per square foot (psf) exerted at the base of the wall and zero at the top of the wall.

7.9.5 Retaining walls should be designed to ensure stability against overturning sliding, and excessive foundation pressure. Where a keyway is extended below the wall base with the intent to engage passive pressure and enhance sliding stability, it is not necessary to consider active pressure on the keyway.

7.9.6 Drainage openings through the base of the wall (weep holes) should not be used where the seepage could be a nuisance or otherwise adversely affect the property adjacent to the base of the wall. The recommendations herein assume a properly compacted granular (EI of 90 or less) free-draining backfill material with no hydrostatic forces or imposed surcharge load. The retaining wall should be properly drained as shown in the Typical Retaining Wall Drainage Detail. If conditions different than those described are expected, or if specific drainage details are desired, Geocon Incorporated should be contacted for additional recommendations.



Typical Retaining Wall Drainage Detail

7.9.7 The retaining walls may be designed using either the active and restrained (at-rest) loading condition or the active and seismic loading condition as suggested by the structural engineer. Typically, it appears the design of the restrained condition for retaining wall loading may be adequate for the seismic design of the retaining walls. However, the active earth pressure combined with the seismic design load should be reviewed and also considered in the design of the retaining walls.

7.9.8 In general, wall foundations should be designed in accordance with Table 7.9.2. The proximity of the foundation to the top of a slope steeper than 3:1 could impact the allowable soil bearing pressure. Therefore, retaining wall foundations should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope.

TABLE 7.9.2
SUMMARY OF RETAINING WALL FOUNDATION RECOMMENDATIONS

Parameter	Value
Minimum Retaining Wall Foundation Width	12 inches
Minimum Retaining Wall Foundation Depth	12 Inches
Minimum Steel Reinforcement	Per Structural Engineer
Allowable Bearing Capacity	2,000 psf
Bearing Capacity Increase	500 psf per Foot of Depth
	300 psf per Foot of Width
Maximum Allowable Bearing Capacity	4,000 psf
Estimated Total Static Settlement*	1 Inch
Estimated Differential Static Settlement*	½ Inch in 40 Feet

7.9.9 The recommendations presented herein are generally applicable to the design of rigid concrete or masonry retaining walls. In the event that other types of walls (such as mechanically stabilized earth [MSE] walls) are planned, Geocon Incorporated should be consulted for additional recommendations.

7.9.10 Unrestrained walls will move laterally when backfilled and loading is applied. The amount of lateral deflection is dependent on the wall height, the type of soil used for backfill, and loads acting on the wall. The retaining walls and improvements above the retaining walls should be designed to incorporate an appropriate amount of lateral deflection as determined by the structural engineer.

7.9.11 Soil contemplated for use as retaining wall backfill, including import materials, should be identified in the field prior to backfill. At that time, Geocon Incorporated should obtain samples for laboratory testing to evaluate its suitability. Modified lateral earth pressures may be necessary if the backfill soil does not meet the required expansion index or shear strength. City or regional standard wall designs, if used, are based on a specific active lateral earth pressure and/or soil friction angle. In this regard, on-site soil to be used as backfill may or may not meet the values for standard wall designs. Geocon Incorporated should be consulted to assess the suitability of the on-site soil for use as wall backfill if standard wall designs will be used.

7.10 Lateral Loading

7.10.1 Table 7.10 should be used to help design the proposed structures and improvements to resist lateral loads for the design of footings or shear keys. The allowable passive pressure assumes a horizontal surface extending at least 5 feet, or three times the surface generating the passive pressure, whichever is greater. The upper 12 inches of material in areas not protected by floor slabs or pavement should not be included in design for passive resistance.

TABLE 7.10
SUMMARY OF LATERAL LOAD DESIGN RECOMMENDATIONS

Parameter	Value
Passive Pressure Fluid Density	300 pcf
Coefficient of Friction (Concrete and Soil)	0.35
Coefficient of Friction (Along Vapor Barrier)	0.2 to 0.25*

*Per manufacturer's recommendations.

7.10.2 The passive and frictional resistant loads can be combined for design purposes. The lateral passive pressures may be increased by one-third when considering transient loads due to wind or seismic forces.

7.11 Mechanically Stabilized Earth (MSE) Retaining Walls

7.11.1 Mechanized stabilized earth (MSE) retaining walls can be used on the property. MSE retaining walls are alternative walls that consist of modular block facing units with geogrid reinforced earth behind the block. The reinforcement grid attaches to the block units and is typically placed at specified vertical intervals and embedment lengths. The grid length and spacing will be determined by the wall designer.

7.11.2 The geotechnical parameters listed in Table 7.11 can be used for preliminary design of the MSE walls. Soil with an expansion index (EI) of greater than 50 should not be used as backfill material behind retaining walls. In addition, some wall designers request soil with a plasticity index greater than 20, a liquid limit greater than 40 and a fines content greater than 35 percent should not be used for soil within the reinforcing zone. This may require import of select materials for the wall backfilling operations or selectively stockpiling of granular soils. Once the backfill source has been determined, laboratory testing should be performed to check that the shear strength parameters used in the design of the MSE walls meet or exceed the required strength within the reinforced zone.

TABLE 7.11
GEOTECHNICAL PARAMETERS FOR MSE WALLS

Parameter	Reinforced Zone	Retained Zone	Foundation Zone
Angle of Internal Friction	30 degrees	30 degrees	30 degrees
Cohesion	0 psf	0 psf	0 psf
Wet Unit Density	125 pcf	125 pcf	125 pcf

7.11.3 The soil parameters presented in Table 7.17 are based on our experience with MSE wall contractors on previous projects. The wet unit density values presented in Table 7.17 can be used for design but actual in-place densities may range from approximately 110 to 135 pounds per cubic foot. Geocon has no way of knowing which materials will actually be used as backfill behind the wall during construction. It is up to the wall designers to use their judgment in selection of the design parameters. As such, once backfill materials have been selected and/or stockpiled, sufficient shear tests should be conducted on samples of the proposed backfill materials to check that they conform to actual design values. Results should be provided to the designer to re-evaluate stability of the walls. Dependent upon test results, the designer may require modifications to the original wall design (e.g., longer reinforcement embedment lengths and/or steel reinforcement).

7.11.4 The foundation zone is the area where the footing is embedded, the reinforced zone is the area of the backfill that possesses the reinforcing fabric, and the retained zone is the area behind the reinforced zone.

7.11.5 Wall foundations having a minimum depth and width of one foot may be designed for an allowable soil bearing pressure of 2,000 psf. The MSE walls should be designed for a total and differential static settlement of 1-inch and ½-inch in 40 feet, respectively.

7.11.6 Backfill materials within the reinforced zone should be compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content in accordance with ASTM D 1557. This is applicable to the entire embedment width of the reinforcement. Typically, wall designers specify no heavy compaction equipment within 3 feet of the face of the wall. However, smaller equipment (e.g., walk-behind, self-driven compactors or hand whackers) can be used to compact the materials without causing deformation of the wall. If the designer specifies no compactive effort for this zone, the materials are essentially not properly compacted and the reinforcement grid within the uncompacted zone should not be relied upon for reinforcement, and overall embedment lengths will have to be increased to account for the difference.

7.11.7 The wall should be provided with a drainage system sufficient to prevent excessive seepage through the wall and the base of the wall, thus preventing hydrostatic pressures behind the wall.

7.11.8 Geosynthetic reinforcement must elongate to develop full tensile resistance. This elongation generally results in movement at the top of the wall. The amount of movement is dependent upon the height of the wall (e.g., higher walls rotate more) and the type of reinforcing grid used. In addition, over time the reinforcement grid has been known to exhibit creep (sometimes as much as 5 percent) and can undergo additional movement. Given this condition, the owner should be aware that structures and pavement placed within the reinforced and retained zones of the wall may undergo movement.

7.11.9 The MSE wall contractor should provide the estimated deformation of wall and adjacent ground in associated with wall construction. The calculated horizontal and vertical deformations should be determined by the wall designer. The estimated movements should be provided to the project structural engineer to determine if the planned improvements can tolerate the expected movements.

7.11.10 The MSE wall designer/contractor should review this report, including the slope stability requirements, and incorporate our recommendations as presented herein. We should be provided the plans for the MSE walls to check if they are in conformance with our recommendations prior to issuance of a permit and construction.

7.12 Preliminary Pavement Recommendations

7.12.1 We calculated the preliminary flexible pavement sections in general conformance with the *Caltrans Method of Flexible Pavement Design* (Highway Design Manual, Section 608.4) using estimated Traffic Indices (TI's) of 4.5, 5.0, 6.0 and 7.0 for the interior roadways. The project civil engineer and owner should review the pavement designations to determine appropriate locations for pavement thickness. We have assumed an R-Value of 10 and 78 for the subgrade soil and base materials, respectively, for the purposes of this preliminary analysis. The final pavement sections should be based on the R-Value of the subgrade soil encountered at final subgrade elevation once site grading and utility trench backfill is completed. Table 7.12.1 presents the preliminary flexible pavement sections.

TABLE 7.12.1
PRELIMINARY FLEXIBLE PAVEMENT SECTION

Location	Assumed Traffic Index	Assumed Subgrade R-Value	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Parking Stalls	4.5	10	3	7
Interior Roadways (light-duty)	5.0	10	3	9
Interior Roadways (medium duty)	6.0	10	3.5	12.5
Interior Roadways (heavy duty)	7.0	10	4	14.5

7.12.2 Prior to placing base materials, the upper 12 inches of the subgrade soil should be scarified, moisture conditioned as necessary, and recompacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content as determined by ASTM D 1557. Similarly, the base material should be compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Asphalt concrete should be compacted to a density of at least 95 percent of the laboratory Hveem density in accordance with ASTM D 2726.

7.12.3 Base materials should conform to Section 26-1.02B of the *Standard Specifications for The State of California Department of Transportation (Caltrans)* with a ¾-inch maximum size aggregate. The asphalt concrete should conform to Section 203-6 of the *Standard Specifications for Public Works Construction (Greenbook).*

7.12.4 The base thickness can be reduced if a reinforcement geogrid is used during the installation of the pavement. Geocon should be contact for additional recommendations, if required.

7.12.5 A rigid Portland cement concrete (PCC) pavement section should be placed in driveway entrance aprons, cross-gutters and trash bin loading/storage areas. The concrete pad for trash truck areas should be large enough such that the truck wheels will be positioned on the concrete during loading. We calculated the rigid pavement section in general conformance with the procedure recommended by the American Concrete Institute report ACI 330R-08 *Guide for Design and Construction of Concrete Parking Lots* using the parameters presented in Table 7.12.2.

TABLE 7.12.2
RIGID PAVEMENT DESIGN PARAMETERS

Design Parameter	Design Value
Modulus of subgrade reaction, k	50 pci
Modulus of rupture for concrete, M_R	500 psi
Traffic Category, TC	A and B
Average daily truck traffic, ADTT	10 and 25

7.12.6 Based on the criteria presented herein, the PCC pavement sections should have a minimum thickness as presented in Table 7.12.3.

TABLE 7.12.3
RIGID PAVEMENT RECOMMENDATIONS

Location	Portland Cement Concrete (inches)
Medium Duty Areas (TC=B)	6.0
Heavy Duty Areas (TC=C)	7.0

7.12.7 The PCC pavement should be placed over subgrade soil that is compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. This pavement section is based on a minimum concrete compressive strength of approximately 3,000 psi (pounds per square inch). Base materials will not be required beneath concrete improvements including cross-gutters, curb and gutters, and sidewalks.

7.12.8 A thickened edge or integral curb should be constructed on the outside of concrete slabs subjected to wheel loads. The thickened edge should be 1.2 times the slab thickness or a minimum thickness of 2 inches, whichever results in a thicker edge, and taper back to the recommended slab thickness 4 feet behind the face of the slab (e.g., a 7.5-inch-thick slab would have a 9.5-inch-thick edge). Reinforcing steel will not be necessary within the concrete for geotechnical purposes with the possible exception of dowels at construction joints as discussed herein.

7.12.9 To control the location and spread of concrete shrinkage cracks, crack-control joints (weakened plane joints) should be included in the design of the concrete pavement slab. Crack-control joints should not exceed 30 times the slab thickness with a maximum spacing of 15 feet for slabs 6 inches and thicker and should be sealed with an appropriate sealant to prevent the migration of water through the control joint to the subgrade materials. The depth of the crack-control joints should be determined by the referenced ACI report. The depth of

the crack-control joints should be at least ¼ of the slab thickness when using a conventional saw, or at least 1 inch when using early-entry saws on slabs 9 inches or less in thickness, as determined by the referenced ACI report discussed in the pavement section herein. Cuts at least ¼ inch wide are required for sealed joints, and a ⅜ inch wide cut is commonly recommended. A narrow joint width of $^1/_{10}$ to $^1/_8$-inch wide is common for unsealed joints.

7.12.10 Concrete curb/gutter should be placed on soil subgrade compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Cross-gutters should be placed on subgrade soil compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Base materials should not be placed below the curb/gutter, cross-gutters, or sidewalk so water is not able to migrate from the adjacent parkways to the pavement sections.

7.12.11 The performance of pavement is highly dependent on providing positive surface drainage away from the edge of the pavement. Ponding of water on or adjacent to the pavement and subgrade will likely result in pavement distress and subgrade failure. Drainage from landscaped areas should be directed to controlled drainage structures. Landscape areas adjacent to the edge of asphalt pavements are not recommended due to the potential for surface or irrigation water to infiltrate the underlying permeable aggregate base and cause distress. Where such a condition cannot be avoided, consideration should be given to incorporating measures that will significantly reduce the potential for subsurface water migration into the aggregate base. If planter islands are planned, the perimeter curb should extend at least 6 inches below the level of the base materials.

7.13 Low Impact Development (Bioswales, Bio-retention systems)

7.13.1 At the completion of grading the site will be underlain by compacted fill over dense/hard formation materials. Based on soils encountered during the field investigation, we anticipate that the compacted fill will consist of sandy clay and clayey gravel, and mixtures of angular gravel and boulders generated from blasting operations in granitic rock. Infiltrating into compacted fill generally results in settlement of granular soils, heaving of expansive soils, and distress to improvements placed over the compacted fill; as well as slope instability. It is our opinion the compacted fill is unsuitable for infiltration of storm water runoff due to the potential for adverse settlement and potential for water to daylight. The formational materials (Friars Formation and granitic rock) are also sufficiently dense and impermeable that infiltration water would be expected to perch on the surface.

7.13.2 Bio-retention basins, bioswales and bio-remediation areas should be designed by the project civil engineer and reviewed by Geocon Incorporated. Typically, bioswales consist of a surface

layer of vegetation underlain by clean sand. A subdrain should be provided beneath the sand layer. Prior to discharging into the storm drain pipe, a seepage cutoff wall should be constructed at the interface between the subdrain and storm drain pipe. The concrete cut-off wall should extend at least 6 inches beyond the perimeter of the gravel-packed subdrain system.

7.13.3 To minimize adverse impacts to existing or planned improvements, we recommend that proposed LID systems be provided with a waterproof liner, such as 30-mil HDPE, or equivalent, to prevent water infiltration and saturation of compacted fill soil and formational materials. This recommendation is intended to reduce potential negative impacts to public and private improvements due to water infiltration. Downstream properties may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other impacts as a result of water infiltration. Saturating compacted fills typically results in induced hydraulic settlement of the fills potentially impacting adjacent surface improvements supported by the fill. Bioswale systems when located adjacent to pavements often enable water to migrate beneath pavements saturating subgrade soils and aggregate base, which can lead to premature pavement distress. Also, water may enter underground utility pipe zones and impact improvements down gradient from the site.

7.13.4 A storm water vault is shown on the Tentative Map. If this vault allows water to migrate into the subgrade soils, the design should include an impermeable liner, as discussed in Appendix C.

7.13.5 As plans progress and details for LID systems are available for our review, we can provide additional recommendations. Temporary detention basins in areas where improvements have not been constructed do not need to be lined.

7.13.6 Appendix C presents storm water management for the subject project in accordance with City of Poway Storm Water BMP Design Manual. Recommendations for the planned drainage management areas (DMA) are presented in Appendix C.

7.13.7 The landscape architect should be consulted to provide the appropriate plant recommendations for use with LID systems. If drought resistant plants are not used, irrigation may be required.

7.14 Site Drainage and Moisture Protection

7.14.1 Adequate site drainage is critical to reduce the potential for differential soil movement, erosion and subsurface seepage. Under no circumstances should water be allowed to pond adjacent to footings. The site should be graded and maintained such that surface drainage is

directed away from structures in accordance with 2019 CBC 1804.3 or other applicable standards. In addition, surface drainage should be directed away from the top of slopes into swales or other controlled drainage devices. Roof and pavement drainage should be directed into conduits that carry runoff away from the proposed structure.

7.14.2 Underground utilities should be leak free. Utility and irrigation lines should be checked periodically for leaks, and detected leaks should be repaired promptly. Detrimental soil movement could occur if water is allowed to infiltrate the soil for prolonged periods of time.

7.14.3 Landscaping planters adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. Area drains to collect excess irrigation water and transmit it to drainage structures or impervious above-grade planter boxes can be used. In addition, where landscaping is planned adjacent to the pavement, construction of a cutoff wall along the edge of the pavement that extends at least 6 inches below the bottom of the base material should be considered.

7.15 Slope Maintenance

7.15.1 Slopes that are steeper than 3:1 (horizontal:vertical) may, under conditions that are both difficult to prevent and predict, be susceptible to near-surface (surficial) slope instability. The instability is typically limited to the outer 3 feet of a portion of the slope and usually does not directly impact the improvements on the pad areas above or below the slope. The occurrence of surficial instability is more prevalent on fill slopes and is generally preceded by a period of heavy rainfall, excessive irrigation, or the migration of subsurface seepage. The disturbance and/or loosening of the surficial soils, as might result from root growth, soil expansion, or excavation for irrigation lines and slope planting, may also be a significant contributing factor to surficial instability. It is therefore recommended that, to the maximum extent practical: (a) disturbed/loosened surficial soils be either removed or properly recompacted, (b) irrigation systems be periodically inspected and maintained to eliminate leaks and excessive irrigation, and (c) surface drains on and adjacent to slopes be periodically maintained to preclude ponding or erosion. Although the incorporation of the above recommendations should reduce the potential for surficial slope instability, it will not eliminate the possibility and, therefore, it may be necessary to rebuild or repair a portion of the project's slopes in the future.

7.16 Grading and Foundation Plan Review

7.16.1 Geocon Incorporated should review the grading plans and foundation plans for the project prior to final design submittal to evaluate whether additional analyses and/or recommendations are required

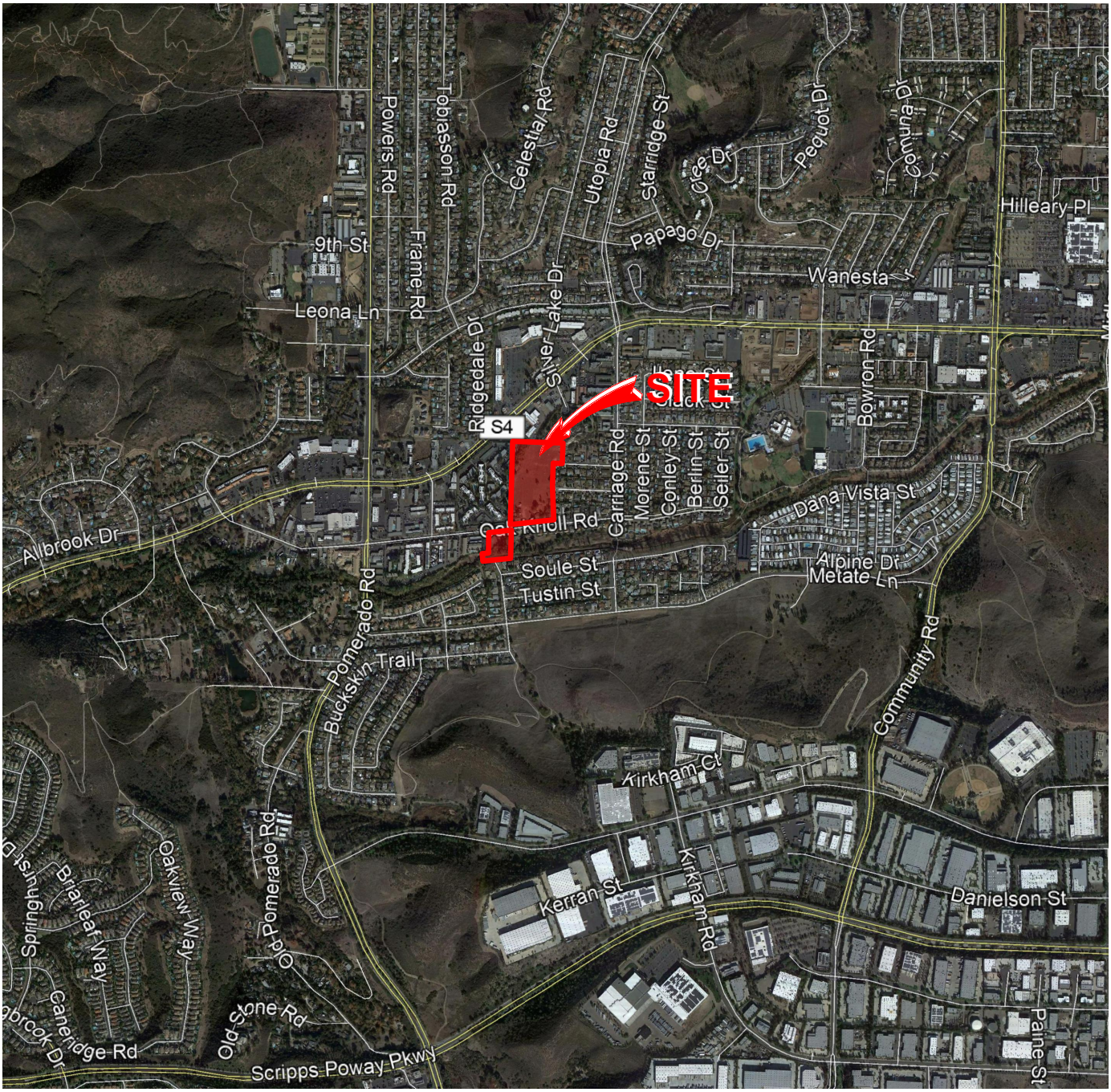
LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project geotechnical engineer of record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

2. The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, Geocon Incorporated should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous or corrosive materials was not part of the scope of services provided by Geocon Incorporated.

3. This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and that the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

4. The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.



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N

NO SCALE

VICINITY MAP

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OAK KNOLL
POWAY, CALIFORNIA

TM / RA		DSK/GTYPD

DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 1

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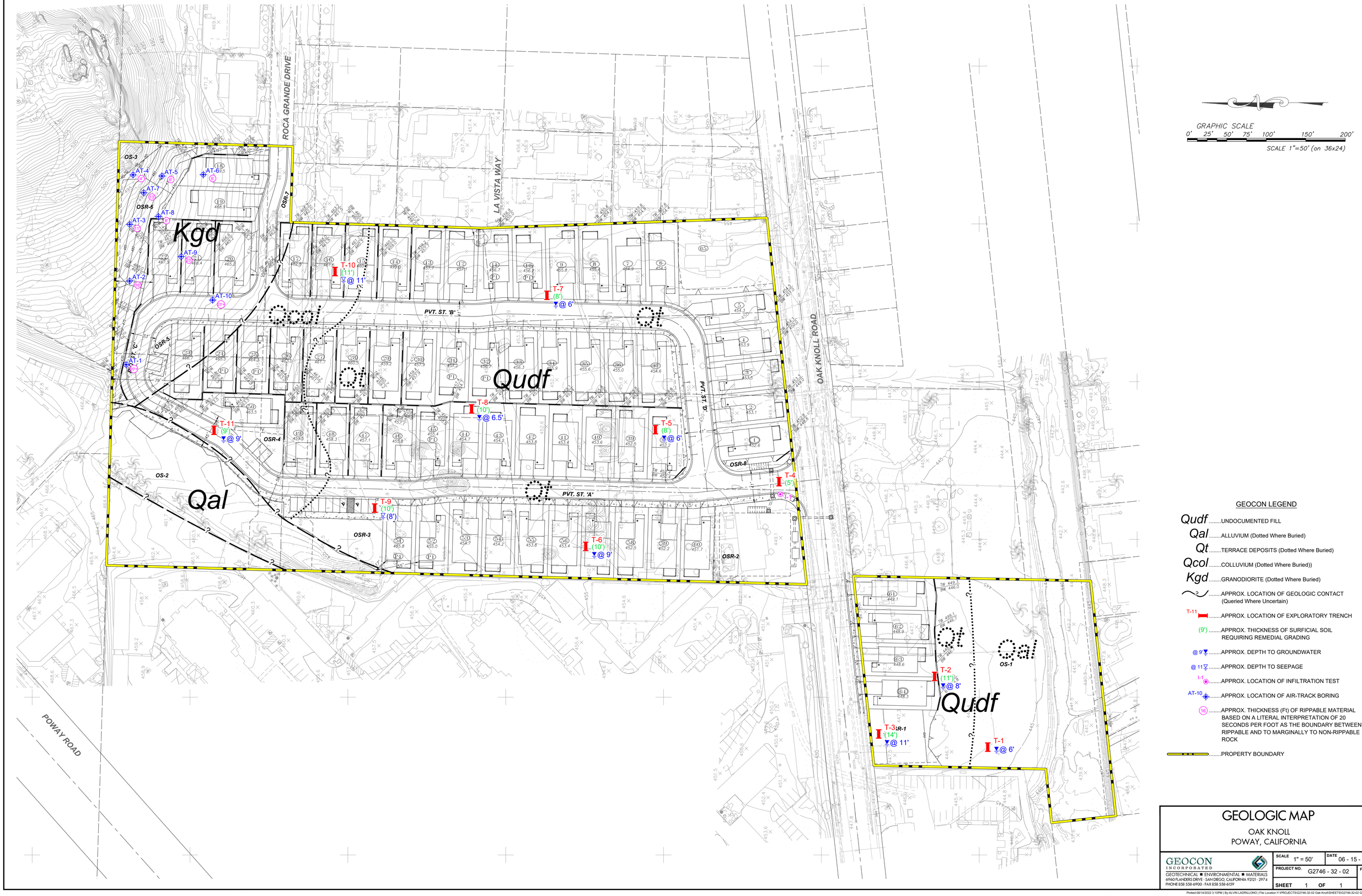

GEOCON LEGEND

- Qudf ..... UNDOCUMENTED FILL
- Qal ..... ALLUVIUM (Dotted Where Buried)
- Qt ..... TERRACE DEPOSITS (Dotted Where Buried)
- Qcol ..... COLLUVIUM (Dotted Where Buried))
- Kgd ..... GRANODIORITE (Dotted Where Buried)
- ~2~ ..... APPROX. LOCATION OF GEOLOGIC CONTACT (Queried Where Uncertain)
- T-11 ..... APPROX. LOCATION OF EXPLORATORY TRENCH
- (9') ..... APPROX. THICKNESS OF SURFICIAL SOIL REQUIRING REMEDIAL GRADING
- @ 9' ..... APPROX. DEPTH TO GROUNDWATER
- @ 11' ..... APPROX. DEPTH TO SEEPAGE
- I-1 ..... APPROX. LOCATION OF INFILTRATION TEST
- AT-10 ..... APPROX. LOCATION OF AIR-TRACK BORING
- (16) ..... APPROX. THICKNESS (Ft) OF RIPPABLE MATERIAL BASED ON A LITERAL INTERPRETATION OF 20 SECONDS PER FOOT AS THE BOUNDARY BETWEEN RIPPABLE AND TO MARGINALLY TO NON-RIPPABLE ROCK
- ..... PROPERTY BOUNDARY

GEOLOGIC MAP

OAK KNOLL
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SCALE 1" = 50'		DATE 06 - 15 - 2022	
PROJECT NO. G2746 - 32 - 02			FIGURE 2
SHEET 1	OF 1		

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ASSUMED CONDITIONS :

SLOPE HEIGHT	H	=	Infinite
DEPTH OF SATURATION	Z	=	3 feet
SLOPE INCLINATION	2 : 1		(Horizontal : Vertical)
SLOPE ANGLE	i	=	26.6 degrees
UNIT WEIGHT OF WATER	γ_w	=	62.4 pounds per cubic foot
TOTAL UNIT WEIGHT OF SOIL	γ_t	=	130 pounds per cubic foot
ANGLE OF INTERNAL FRICTION	ϕ	=	35 degrees
APPARENT COHESION	C	=	250 pounds per square foot

SLOPE SATURATED TO VERTICAL DEPTH Z BELOW SLOPE FACE

SEEPAGE FORCES PARALLEL TO SLOPE FACE

ANALYSIS :

$$FS = \frac{C + (\gamma_t - \gamma_w)\ Z\ cos^2\ i\ tan\ \phi}{\gamma_t\ Z\ sin\ i\ cos\ i} = 2.3$$

REFERENCES :

1.....Haefeli, R. *The Stability of Slopes Acted Upon by Parallel Seepage*, Proc. Second International Conference, SMFE, Rotterdam, 1948, 1, 57-62

2.....Skempton, A. W., and F.A. Delory, *Stability of Natural Slopes in London Clay*, Proc. Fourth International Conference, SMFE, London, 1957, 2, 378-81

SURFICIAL SLOPE STABILITY ANALYSIS

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Plotted:06/14/2022 3:16PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\Slope Stability Analyses-Surficial (SSAS).dwg

ASSUMED CONDITIONS :

SLOPE HEIGHT	H	=	30 feet
SLOPE INCLINATION	2 : 1	(Horizontal : Vertical)	
TOTAL UNIT WEIGHT OF SOIL	γ_t	=	130 pounds per cubic foot
ANGLE OF INTERNAL FRICTION	ϕ	=	35 degrees
APPARENT COHESION	C	=	500 pounds per square foot
NO SEEPAGE FORCES			

ANALYSIS :

$\lambda_{c\phi}$	=	$\frac{\gamma_t H \tan\phi}{C}$	EQUATION (3-3), REFERENCE 1
FS	=	$\frac{NcfC}{\gamma_t H}$	EQUATION (3-2), REFERENCE 1
$\lambda_{c\phi}$	=	5.5	CALCULATED USING EQ. (3-3)
Ncf	=	20	DETERMINED USING FIGURE 10, REFERENCE 2
FS	=	2.6	FACTOR OF SAFETY CALCULATED USING EQ. (3-2)

REFERENCES :

1.....Janbu, N., Stability Analysis of Slopes with Dimensionless Parameters, Harvard Soil Mechanics, Series No. 46, 1954

2.....Janbu, N., Discussion of J.M. Bell, Dimensionless Parameters for Homogeneous Earth Slopes, Journal of Soil Mechanics and Foundation Design, No. SM6, November 1967.

SLOPE STABILITY ANALYSIS - CUT SLOPES

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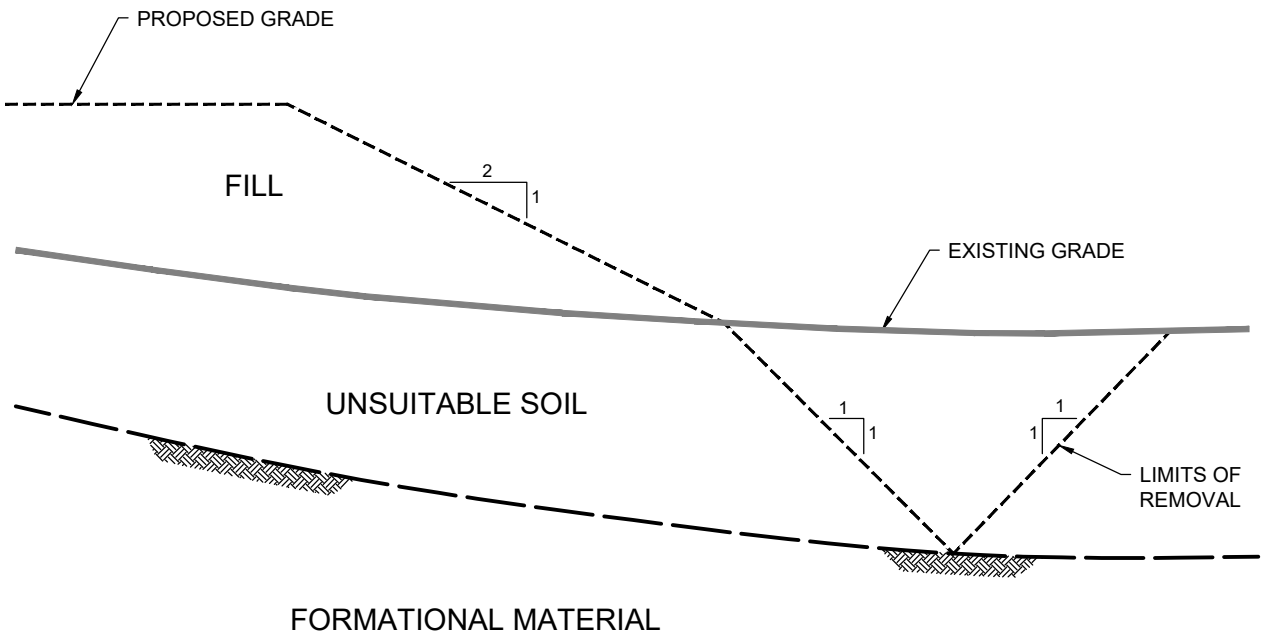
TM / RA		DSK/GTYPD	DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 4

Plotted:06/14/2022 3:16PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\Slope Stability Analyses-Cut (SSA-C).dwg



NOTE:

SLOPE OF BACKCUT MAY BE STEEPENED WITH THE APPROVAL OF THE SOILS ENGINEER WHERE BOUNDARY CONSTRAINTS LIMIT EXTENT OF REMOVALS

NO SCALE

CONSTRUCTION DETAIL FOR LATERAL EXTENT OF REMOVAL

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DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 5

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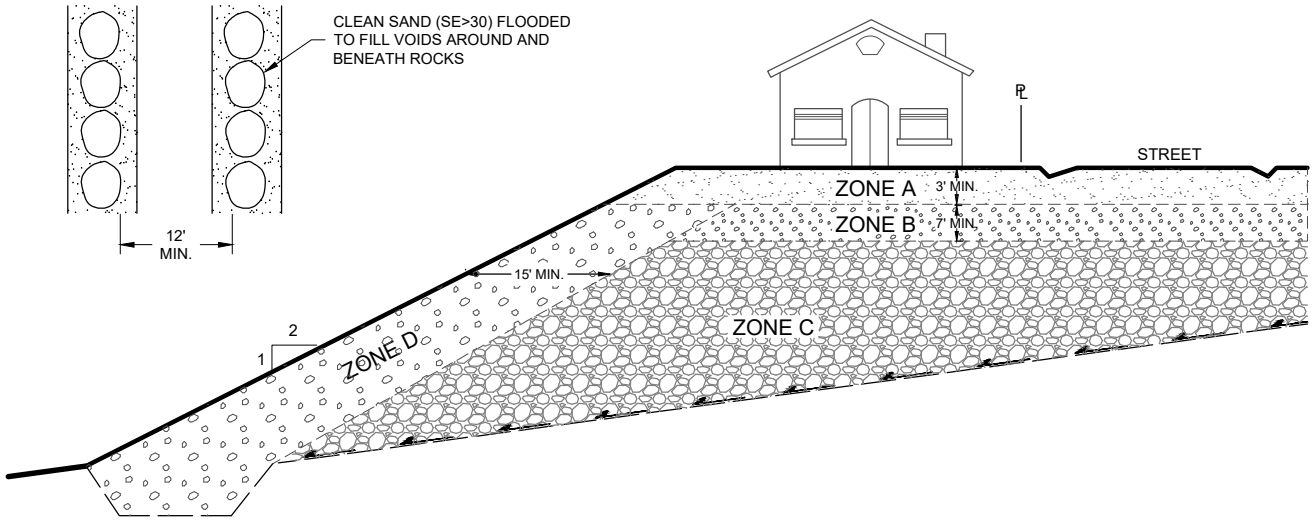
ZONE B

WINDROWS DETAIL
(PLAN VIEW)



NO SCALE

LEGEND

ZONE A: COMPACTED SOIL FILL. NO ROCK FRAGMENTS OVER 6 INCHES IN DIMENSION.

ZONE B: ROCKS UP TO 1 FOOT IN MAXIMUM DIMENSION IN A MATRIX OF COMPACTED SOIL FILL.

ZONE C: ROCK OR SOIL-ROCK FILL GENERALLY CONSISTING OF 2 FOOT MINUS MATERIAL WITH OCCASIONAL INDIVIDUAL FRAGMENTS UP TO 4 FEET MAXIMUM DIMENSION. ZONE C SHOULD TERMINATE AT LEAST 2 FEET BELOW LOWES UTILITY. ALTERNATE: ROCKS 2 TO 4 FEET IN MAXIMUM DIMENSION CAN BE PLACED IN WINDROWS IN COMPACTED SOIL FILL AND BACKFILLED WITH SOIL POSSESSING A SAND EQUIVALENT OF AT LEAST 30.

ZONE D: ROCKS UP TO 12 INCHES IN MAXIMUM DIMENSION IN A MATRIX OF COMPACTED SOIL FILL.

NOTES

1. COMPACTED SOIL FILL IN UPPER 3 FEET SHALL CONTAIN AT LEAST 40 PERCENT SOIL PASSING THE 3/4 - INCH SIEVE (BY WEIGHT) AND AT LEAST 20% SOIL PASSING THE NO. 4 SIEVE (BY WEIGHT)

2. CONTINUOUS OBSERVATION REQUIRED BY GEOCON DURING ROCK PLACEMENT.

ROCK PLACEMENT DETAIL

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TM / RA		DSK/GTYPD	DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 6

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APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The initial field investigation was performed on May 28, 2021, and consisted of a visual site reconnaissance and drilling 10 air-track borings in anticipated cut areas. On May 18, 2022, eleven exploratory trenches were excavated to evaluate the thickness and condition of surficial soils requiring remedial grading. The approximate locations of the exploratory trenches and air-track borings are shown on the Geologic Map, Figure 2.

The exploratory trenches were performed using a John Deere 310L rubber tire backhoe equipped with a 24-inch-wide bucket. We collected bulk soil samples for laboratory testing. The air-track borings were advanced using an Ingersoll-Rand ECM 490 drill rig with 4-inch diameter bit.

The soil conditions encountered in the excavations were visually classified and logged in general accordance with American Society for Testing and Materials (ASTM) practice for Description and Identification of Soils (Visual Manual Procedure D 2844) and, where applicable, in general conformance with current Caltrans Soil and Rock Logging, Classification and Presentation Manual. Logs of the backhoe trenches depicting the soil and geologic conditions encountered and the depth at which samples were obtained are presented on Figures A-1 through A-11. Air-track boring logs are presented as Figures A-12 through A-21.

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 1 ELEV. (MSL.) 446' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0	T1-1			GC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist to damp, brown, Clayey to Silty GRAVEL with cobble; some granodiorite boulders, abundant debris			
2								
4								
					-Layer of asphalt concrete (deteriorated)			
6	T1-2		▼	GP	-Groundwater at 6 feet **ALLUVIUM (Qal)** Very loose, wet, dark brown to gray, fine- to coarse-grained Sandy GRAVEL with cobble; some silt and clay			
8					PRACTICAL REFUSAL AT 8 FEET DUE TO CAVING Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-1,
Log of Trench T 1, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL | ... STANDARD PENETRATION TEST | ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE | ... CHUNK SAMPLE | ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 2 ELEV. (MSL.) 447' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, damp, brown, fine- to coarse-grained Clayey SAND			
2	T2-1			CL	**TERRACE DEPOSITS (Qt)** Medium stiff, moist, dark brown to reddish brown, fine- to coarse-grained Sandy CLAY; trace gravel			
4	T2-2			GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble; oxidized, clasts of stadium conglomerate			
6								
8			▼		-Groundwater at 8 feet			
10					-wet; more cobble and boulders			
12				CL	**FRIARS FORMATION (Tf)** Stiff to very stiff, moist, greenish gray, fine grained Silty CLAYSTONE; moderately cemented/indurated			
					TRENCH TERMINATED AT 12.5 FEET Groundwater encountered at 8 feet Backfilled with spoils			

Figure A-2,
Log of Trench T 2, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 3 ELEV. (MSL.) 447' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, damp, brown, fine- to coarse-grained Clayey SAND with gravel; some debris			
2				CL	**TERRACE DEPOSITS (Qt)** Medium stiff to stiff, moist, dark reddish brown, fine- to coarse-grained Sandy CLAY; trace gravel			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble; consist of predominantly stadium conglomerate; oxidized			
6								
8					-Zone of mottling/heavier oxidation			
10			▼		-Groundwater at 11 feet			
12					-wet; more cobble and boulders			
14				CL	**FRIARS FORMATION (Tf)** Stiff to hard, wet, greenish gray, fine grained Silty CLAYSTONE			
					TRENCH TERMINATED AT 15 FEET Groundwater encountered at 11 feet Backfilled with spoils			

Figure A-3,
Log of Trench T 3, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 4 ELEV. (MSL.) 449' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist, brown, fine to coarse Clayey SAND; trace gravel			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, reddish brown, fine to coarse Sandy CLAY; trace gravel; precipitates and oxidation			
4								
6				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately indurated/cemented			
8					TRENCH TERMINATED AT 8 FEET Groundwater not encountered Backfilled with spoils			

Figure A-4,
Log of Trench T 4, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 5 ELEV. (MSL.) 451' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist, brown, fine to coarse Clayey SAND			
2	T5-1			CL	**TERRACE DEPOSITS (Qt)** Stiff, damp to moist, dark brown to reddish brown, fine- to coarse-grained Sandy CLAY			
4								
6	T5-2		▼	GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized, some cobble -Groundwater at 6 feet			
8				CL	**FRIARS FORMATION (Tf)** Very stiff to stiff, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately cemented/indurated			
10					TRENCH TERMINATED AT 10 FEET Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-5,
Log of Trench T 5, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL | ... STANDARD PENETRATION TEST | ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE | ... CHUNK SAMPLE | ▼ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 6 ELEV. (MSL.) 452' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp, brown, fine- to coarse-grained Clayey SAND; debris			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, reddish brown, fine- to coarse-grained Sandy CLAY			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized			
6								
8			▼		-Groundwater at 9 feet			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; moderately cemented/indurated, manganese staining			
					TRENCH TERMINATED AT 11 FEET Groundwater encountered at 9 feet Backfilled with spoils			

Figure A-6,
Log of Trench T 6, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 7 ELEV. (MSL.) 453' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				CL	**UNDOCUMENTED FILL (Qudf)** Stiff, dry, dark gray, fine- to coarse-grained Sandy CLAY			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, mottled light gray to gray, fine grained Sandy CLAY			
4					-Becomes medium stiff			
6			▼		-Groundwater at 6 feet			
				GC	Medium dense, wet, reddish brown, fine- to coarse-grained Clayey GRAVEL			
8				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately cemented/indurated			
10					TRENCH TERMINATED AT 10 FEET Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-7,
Log of Trench T 7, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TRENCH T 8** ELEV. (MSL.) **453'** DATE COMPLETED **05-18-2022** EQUIPMENT **310L RUBBER TIRE BACKHOE** BY: **DJM**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GC	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, brown, fine- to coarse-grained Clayey SAND with gravel			
2	T8-1			SC	**TERRACE DEPOSITS (Qt)** Very stiff, , moist, gray, fine- to coarse-grained Sandy CLAY; precipitates			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble			
6			▼		-Groundwater at 6.5 feet			
8					-More cobbles			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained CLAYSTONE; manganese staining			
					TRENCH TERMINATED AT 11.5 FEET Groundwater encountered at 6.5 feet Backfilled with spoils			

Figure A-8,
Log of Trench T 8, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▼ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 9 ELEV. (MSL.) 457' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GC	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, dark brown, fine- to coarse-grained Clayey GRAVEL			
2				GC	**TERRACE DEPOSITS (Qt)** Medium dense, moist, light brown to reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized			
4								
6								
8			▽		-Seepage at 8 feet -Becomes wet -More cobble			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, yellowish gray, fine-to coarse-grained Sandy Silty CLAYSTONE; moderately cemented/indurated, oxidized/mottled			
12					TRENCH TERMINATED AT 12 FEET Seepage encountered at 8 feet Backfilled with spoils			

Figure A-9,
Log of Trench T 9, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

TRENCH T 10

ELEV. (MSL.) **459'** DATE COMPLETED **05-18-2022**

EQUIPMENT **310L RUBBER TIRE BACKHOE** BY: **DJM**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, dry, light brown, fine- to coarse-grained Clayey SAND			
2	T10-1			SC	**COLLUVIUM (Qcol)** Medium dense, moist to damp, reddish brown, fine- to coarse-grained Clayey SAND; manganese staining, oxidized, moderately cemented, pinhole porosity			
10			▽		-Seepage at 11 feet			
12				GC	**TERRACE DEPOSITS (Qt)** Dense, wet, gray to reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble			
					REFUSAL AT 13 FEET DUE TO GRAVEL AND DIORITE Seepage encountered at 11 feet Backfilled with spoils			

Figure A-10,
Log of Trench T 10, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 11 ELEV. (MSL.) **461'** DATE COMPLETED **05-18-2022** EQUIPMENT **310L RUBBER TIRE BACKHOE** BY: **DJM**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp, dark brown, Clayey SAND with gravel; some debris			
2	T11-1			SM	**COLLUVIUM (Qcol)** Medium dense, dry, brown to light brown, fine- to coarse-grained Silty SAND; some gravel, pinhole porosity			
4								
6								
8			▼		-Groundwater at 9 feet -More gravel and cobble			
	T11-2				**GRANODIORITE (Kgd)** Highly weathered, strong, gray to yellowish brown, GRANODIORITE; moderately decomposed			
10					TRENCH TERMINATED AT 10.5 FEET Groundwater encountered at 9 feet Backfilled with spoils			

Figure A-11,
Log of Trench T 11, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL | ... STANDARD PENETRATION TEST | ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE | ... CHUNK SAMPLE | ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

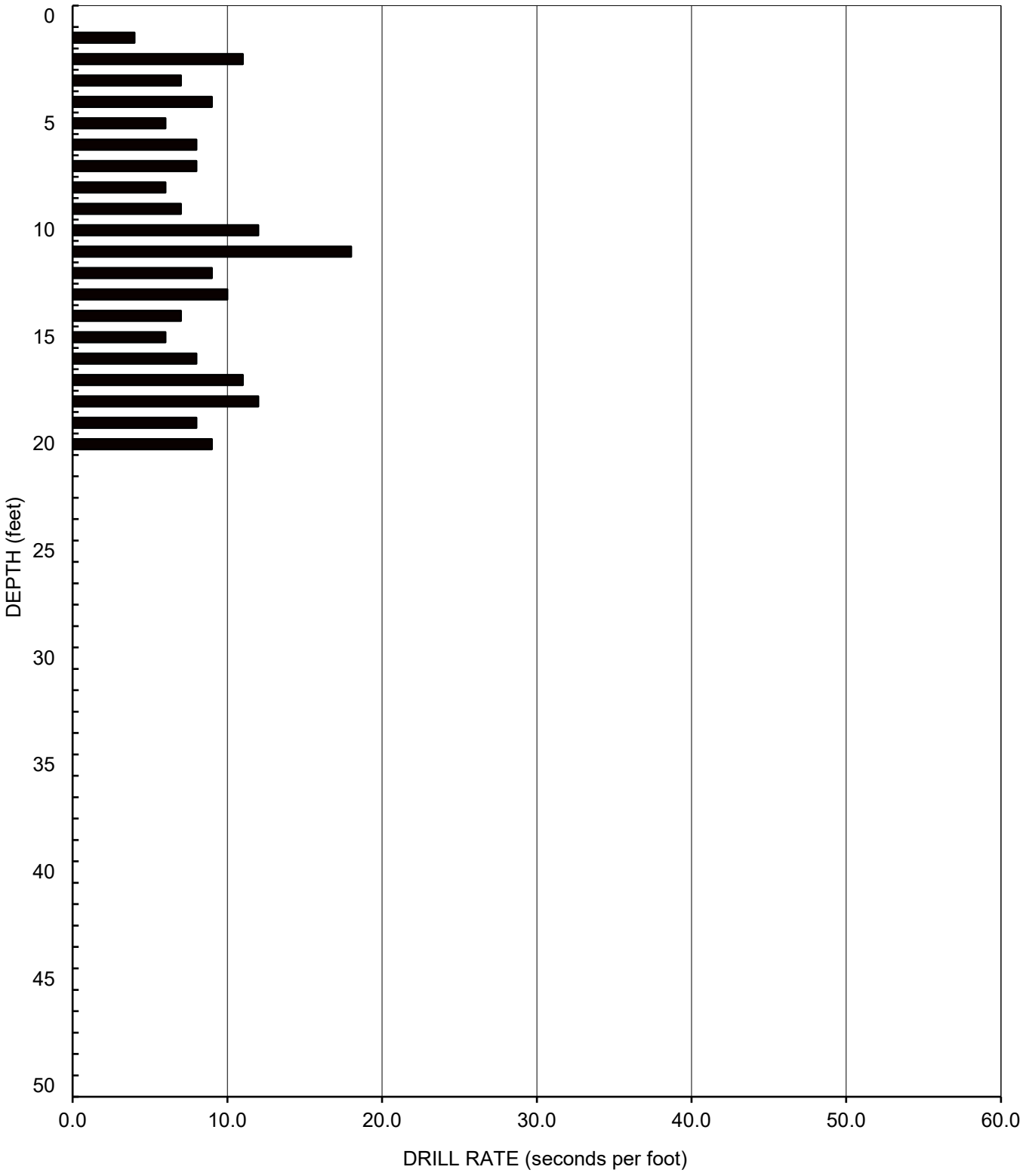
OAK KNOLL - POWAY

AIR TRACK BORING AT-1

Elevation - 475 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT01.xls

FIGURE A-12

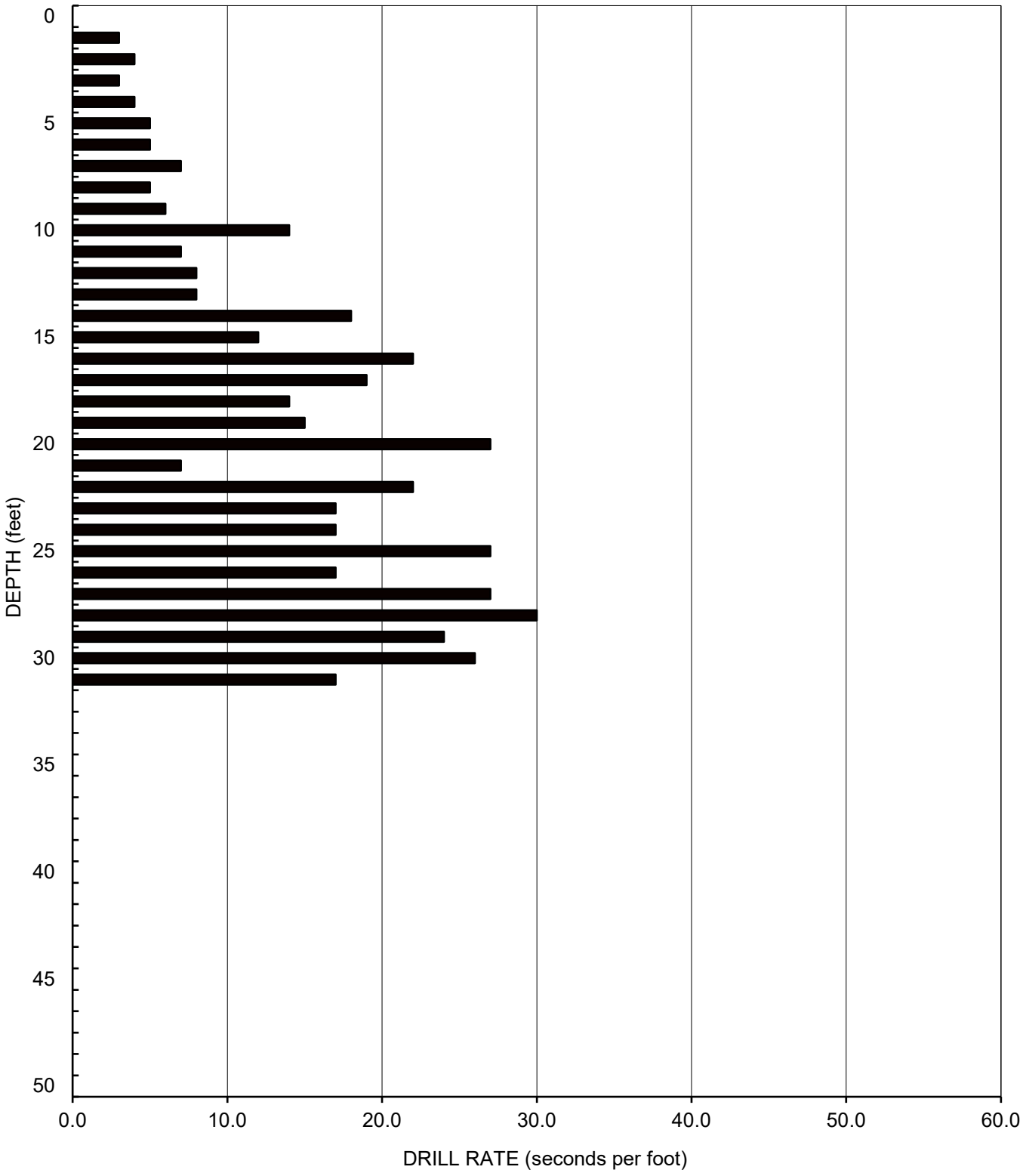
OAK KNOLL - POWAY

AIR TRACK BORING AT-2

Elevation - 485 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT02.xls

FIGURE A-13

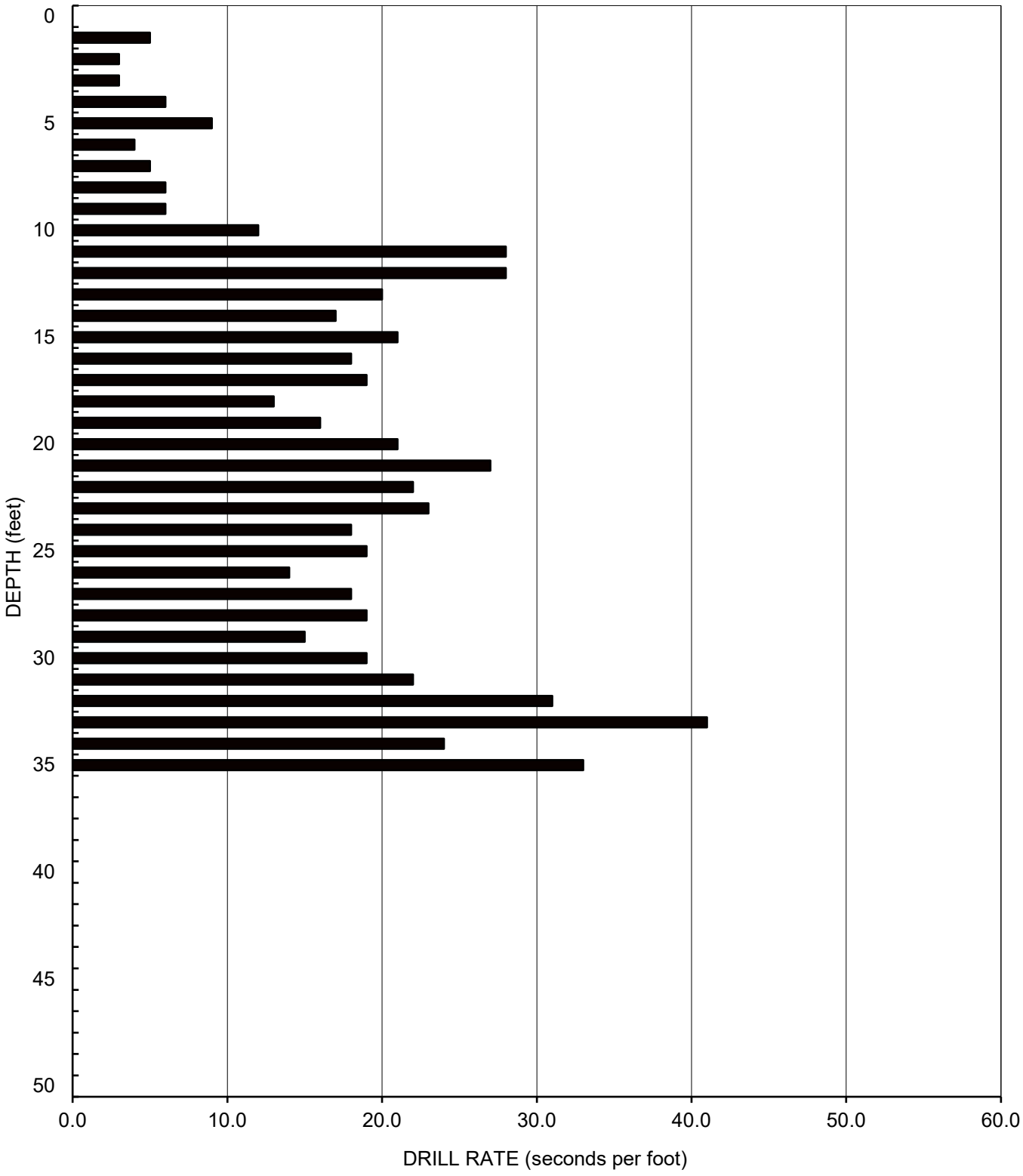
OAK KNOLL - POWAY

AIR TRACK BORING AT-3

Elevation - 492 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT03.xls

FIGURE A-14

PROJECT NO. G2746-32-02

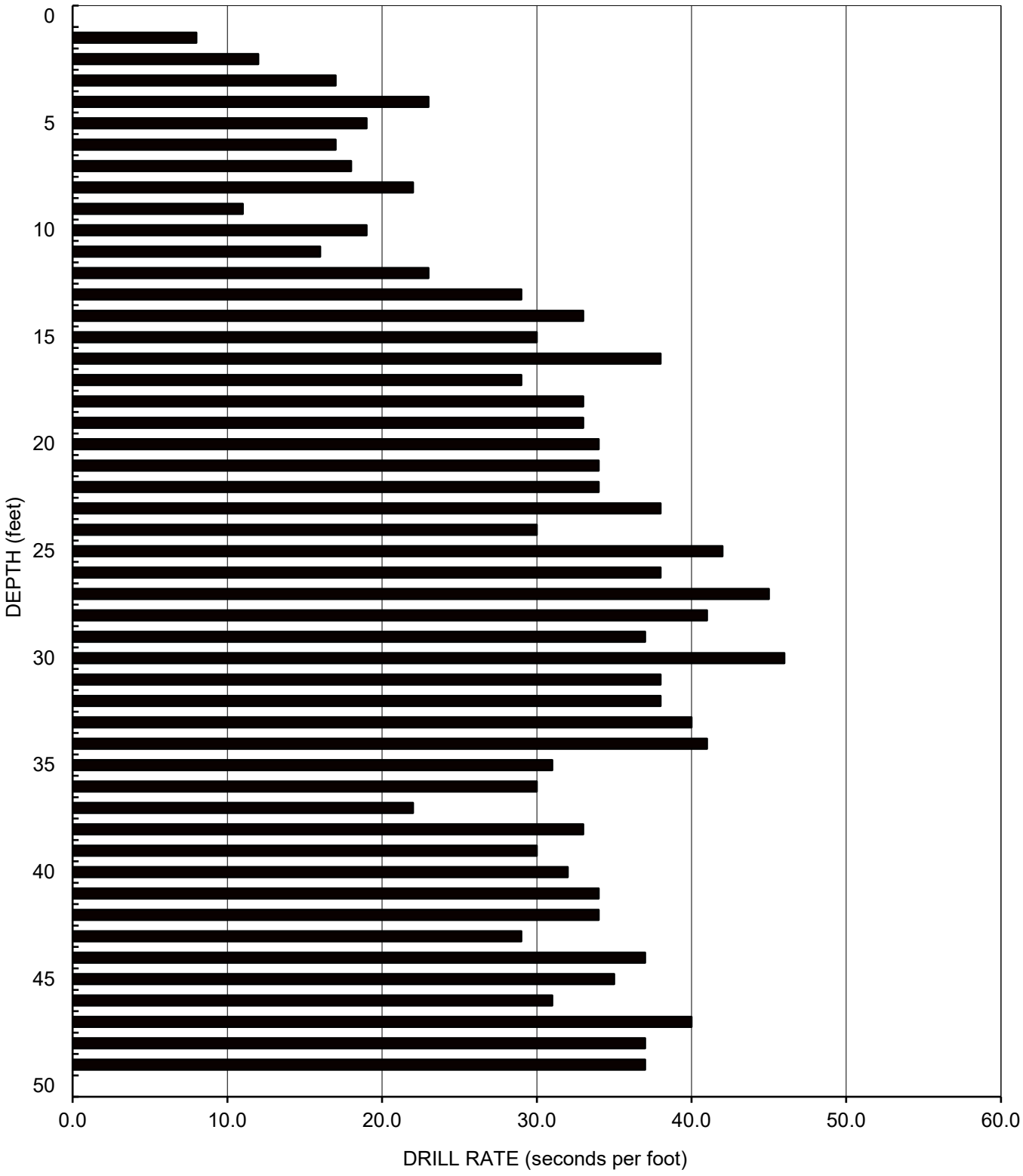
OAK KNOLL - POWAY

AIR TRACK BORING AT-4

Elevation - 499 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT04.xls

FIGURE A-15

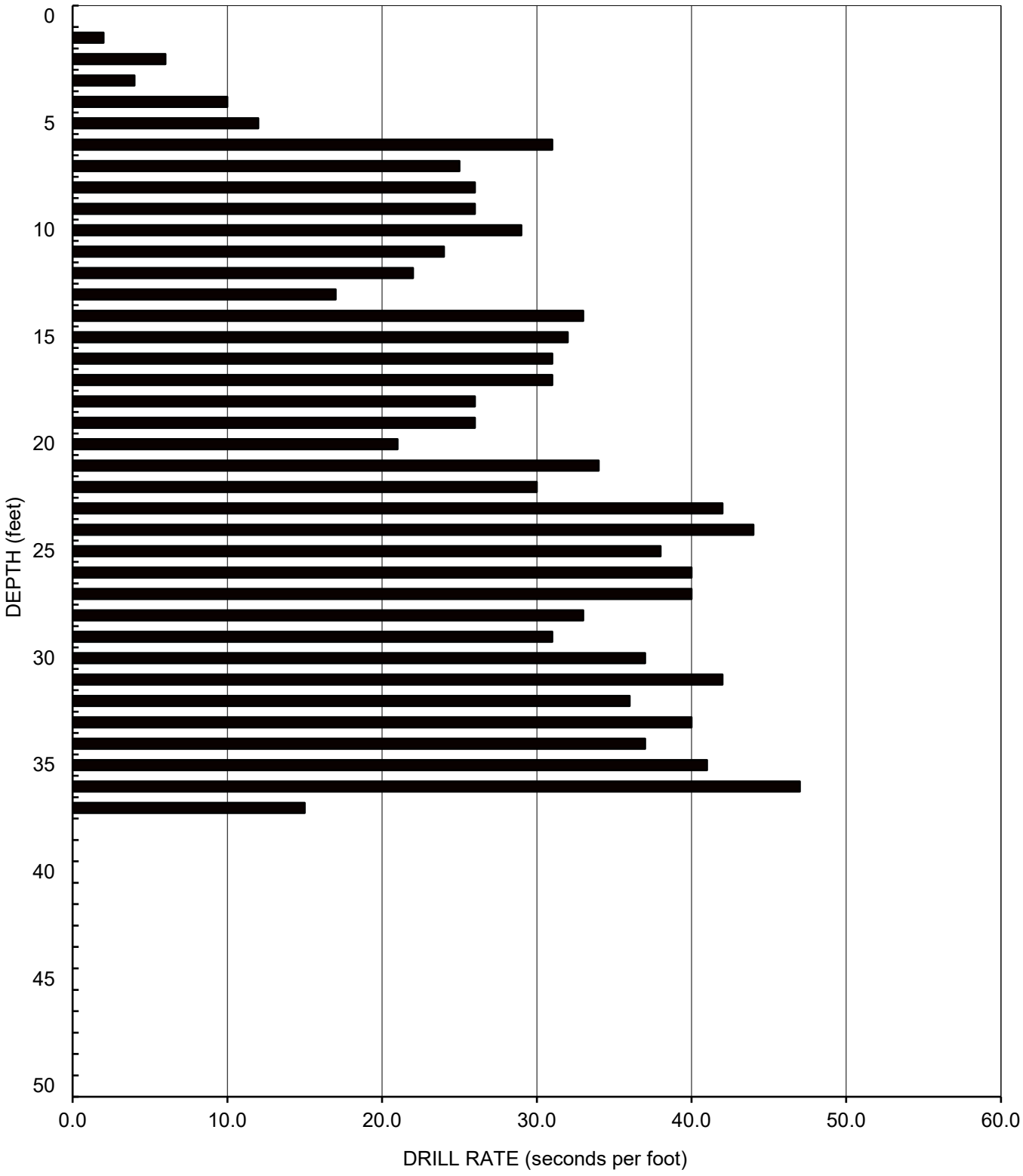
OAK KNOLL - POWAY

AIR TRACK BORING AT-5

Elevation - 490 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT05.xls

FIGURE A-16

PROJECT NO. G2746-32-02

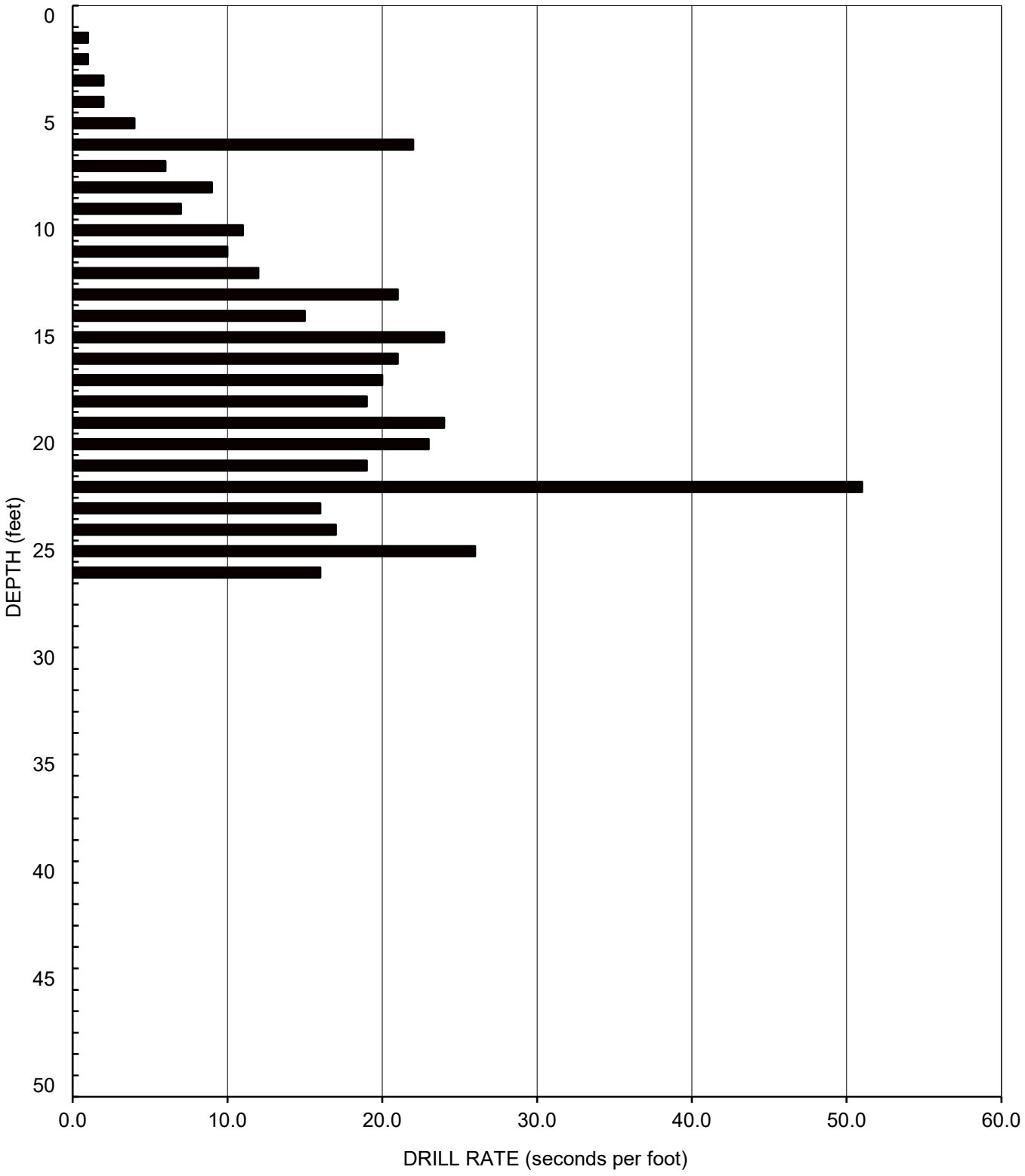
OAK KNOLL - POWAY

AIR TRACK BORING AT-6

Elevation - 482 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT06.xls

FIGURE A-17

PROJECT NO. G2746-32-02

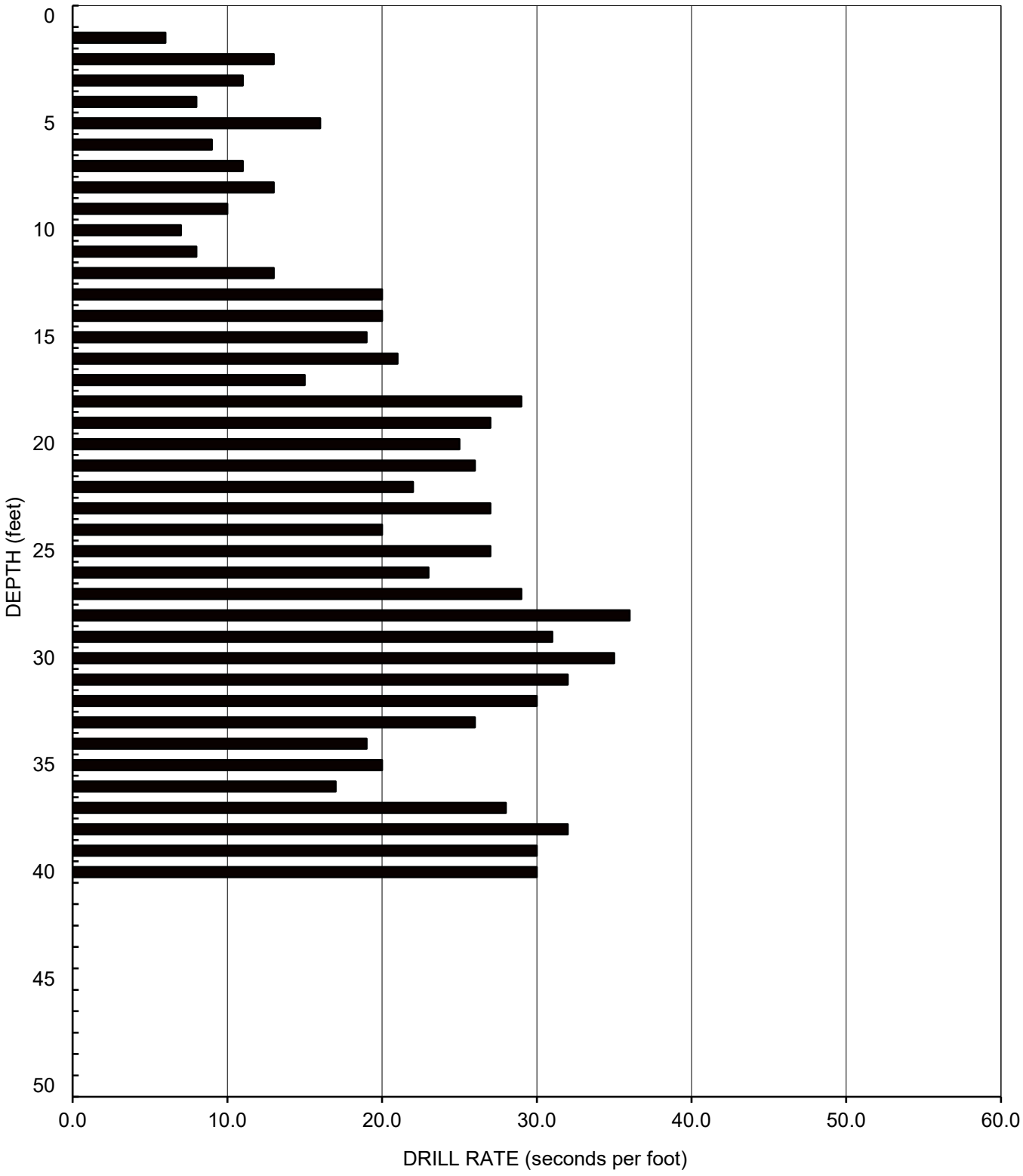
OAK KNOLL - POWAY

AIR TRACK BORING AT-7

Elevation - 493 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT07.xls

FIGURE A-18

PROJECT NO. G2746-32-02

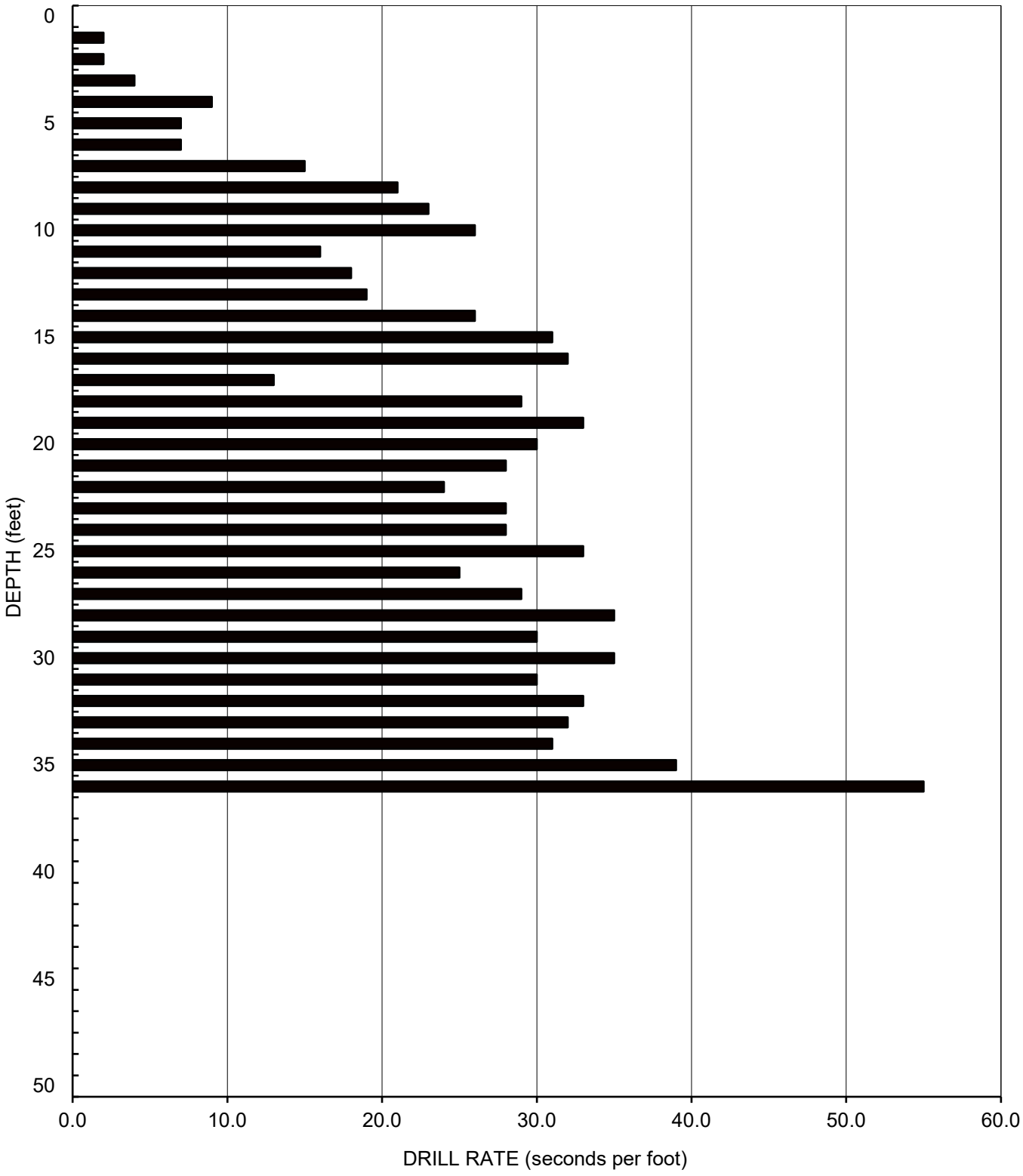
OAK KNOLL - POWAY

AIR TRACK BORING AT-8

Elevation - 488 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT08.xls

FIGURE A-19

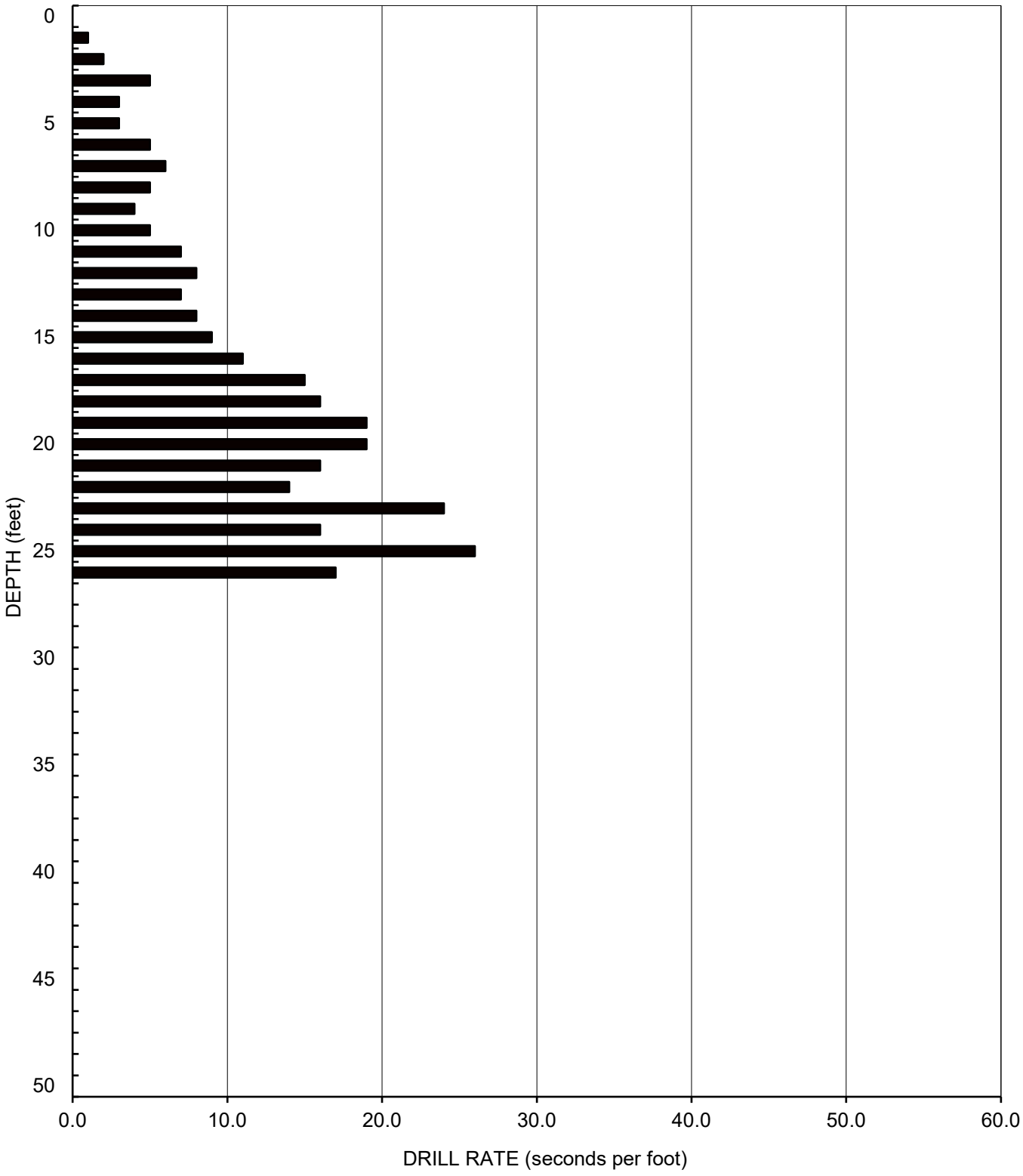
OAK KNOLL - POWAY

AIR TRACK BORING AT-9

Elevation - 480 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT09.xls

FIGURE A-20

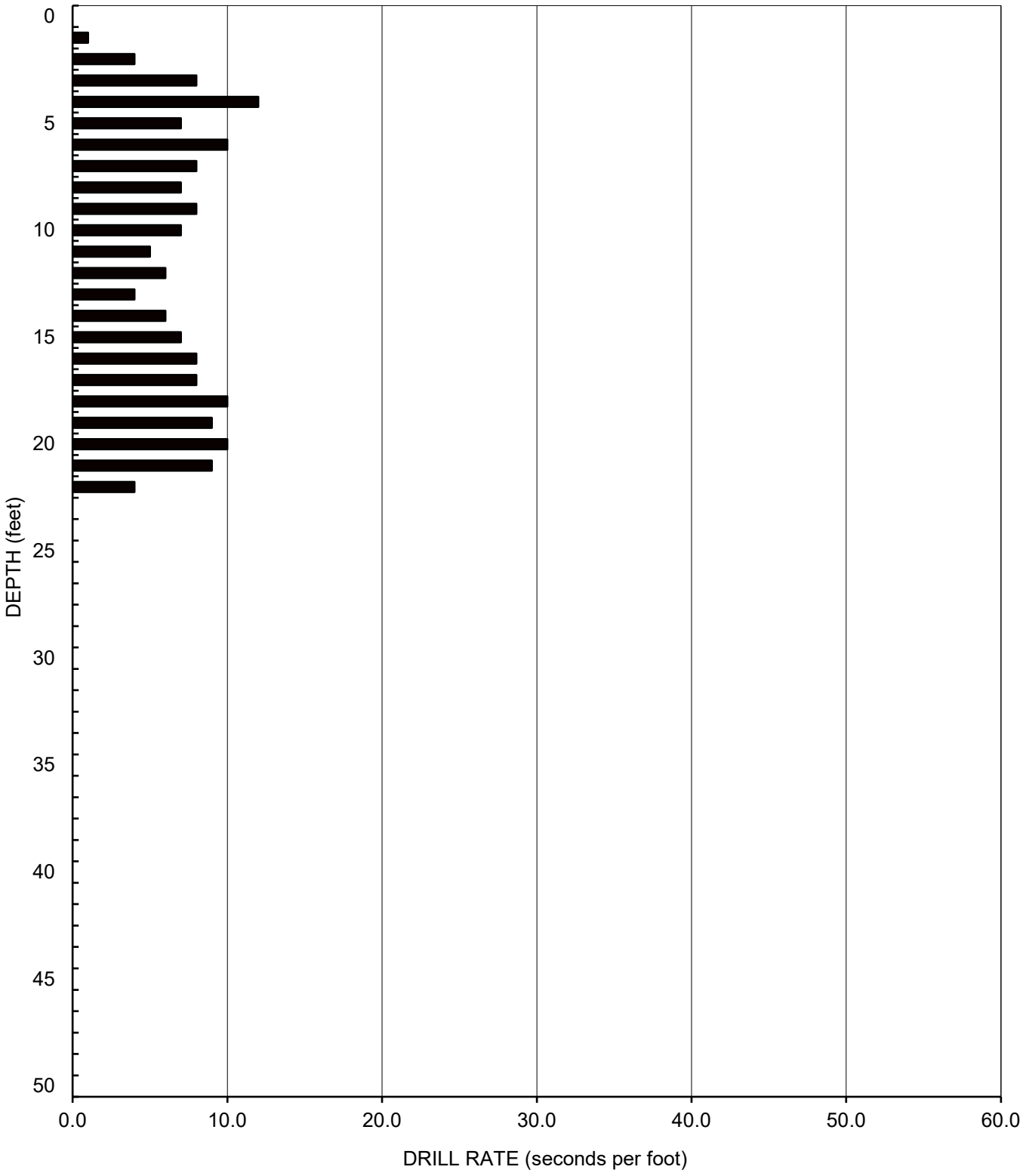
OAK KNOLL - POWAY

AIR TRACK BORING AT-10

Elevation - 472 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT10.xls

FIGURE A-21

APPENDIX B

APPENDIX B

LABORATORY TESTING

We performed laboratory testing on select soil samples in accordance with generally accepted test methods of the American Society for Testing and Materials (ASTM) or other suggested procedures.

Selected disturbed bulk samples were tested for maximum dry density and optimum moisture content, shear strength characteristics, expansion potential, and water-soluble sulfate content. The results of our laboratory tests are presented in Tables B-1 through B-IV.

TABLE B-I
SUMMARY OF LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT TEST RESULTS
ASTM D 1557

Sample No.	Description	Maximum Dry Density (pcf)	Optimum Moisture Content (% dry wt.)
T1-1	Brown, Silty/Clayey SAND with gravel and cobble (includes 14 percent rock correction)	137.3	6.7
T5-1/T8-1	Dark brown, Sandy CLAY with trace gravel	123.5	11.4
T10-1/T11-1	Reddish-brown, Silty/Clayey, fine to medium SAND	130.0	9.0
T11-2	Light brown, Silty, fine to medium SAND with trace gravel	134.2	8.3

TABLE B-II
SUMMARY OF LABORATORY DIRECT SHEAR TEST RESULTS
ASTM D 3080

Sample No.*	Dry Density (pcf)	Moisture Content (%)		Unit Cohesion (psf) Peak	Angle of Shear Resistance (degrees)
		Initial	Final		
T1-1	120.6	8.0	12.6	450	33
T5-1/T8-1	109.6	13.0	23.8	300	26
T10-1/T11-1	116.8	9.3	13.9	580	30
T11-2	121.5	8.0	13.0	490	33

*Soil samples remolded to 90 percent of laboratory maximum dry density at near optimum moisture content. Ultimate values are shown.

TABLE B-III
SUMMARY OF LABORATORY EXPANSION INDEX TEST RESULTS
ASTM D 4829

Sample No.	Moisture Content (%)		Dry Density (pcf)	Expansion Index	ASTM Classification (per 2019 CBC)
	Before Test	After Test			
T1-1	7.6	15.2	118.8	61	Medium
T5-1/T8-1	10.9	26.2	105.7	112	High
T10-1/T11-1	8.6	15.3	115.1	3	Very Low

TABLE B-IV
SUMMARY OF LABORATORY WATER-SOLUBLE SULFATE TEST RESULTS
CALIFORNIA TEST NO. 417

Sample No.	Water-Soluble Sulfate (%)	Sulfate Exposure Class*	Exposure Rating (severity)
T1-1	0.012	Not Applicable	S0
T5-1/T8-1	0.035	Not Applicable	S0

*Reference: Table 4.2.1, ACI 318 report.

APPENDIX C

APPENDIX C

STORM WATER MANAGEMENT

FOR

OAK KNOLL
POWAY, CALIFORNIA

PROJECT NO. G2746-32-02

APPENDIX C

STORM WATER MANAGEMENT INVESTIGATION

We understand storm water management devices are being proposed in accordance with the *2016 City of Poway BMP Design Manual*, commonly referred to as the *Storm Water Standards* (SWS). If not properly constructed, there is a potential for distress to improvements and properties located hydrologically down gradient or adjacent to these devices. Factors such as the amount of water to be detained, its residence time, and soil permeability have an important effect on seepage transmission and the potential adverse impacts that may occur if the storm water management features are not properly designed and constructed. We have not performed a hydrogeological study at the site. If infiltration of storm water runoff occurs, downstream properties may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other undesirable impacts as a result of water infiltration.

Hydrologic Soil Group

The United States Department of Agriculture (USDA), Natural Resources Conservation Services, possesses general information regarding the existing soil conditions for areas within the United States. The USDA website also provides the Hydrologic Soil Group. Table C-1 presents the descriptions of the hydrologic soil groups. In addition, the USDA website also provides an estimated saturated hydraulic conductivity for the existing soil.

TABLE C-1
HYDROLOGIC SOIL GROUP DEFINITIONS

Soil Group	Soil Group Definition
A	Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
B	Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.
C	Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
D	Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high-water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

The northern property is underlain by three units identified as Cieneba rocky coarse sandy loam (CmE2), Olivehain cobbly loam (OhC), and Placentia sandy loam (PfC). Table C-2A presents the information from the USDA NRCS website for the subject property.

TABLE C-2A
USDA WEB SOIL SURVEY – HYDROLOGIC SOIL GROUP (NORTH PROPERTY)

Map Unit Name	Map Unit Symbol	Approximate Percentage of Property	Hydrologic Soil Group	k_{SAT} of Most Limiting Layer (inches/hour)
Cieneba rocky coarse sandy loam	CmE2	1	D	1.98 – 5.95
Olivehain cobbly loam	OhC	20	D	0.0 – 0.06
Placentia sandy loam	PfC	79	D	0.0 – 0.06

The southern property is underlain by Placentia sandy loam (PfC) and Visalia sandy loam (VaA). Table C-2B presents the information from the USDA NRCS website for the subject property.

TABLE C-2B
USDA WEB SOIL SURVEY – HYDROLOGIC SOIL GROUP (SOUTH PROPERTY)

Map Unit Name	Map Unit Symbol	Approximate Percentage of Property	Hydrologic Soil Group	k_{SAT} of Most Limiting Layer (inches/hour)
Placentia sandy loam	PfC	73	D	0.0 – 0.06
Visalia sandy loam	VaA	27	A	1.98 – 5.95

In-Situ Testing

The infiltration rate, percolation rates and saturated hydraulic conductivity are different and have different meanings. Percolation rates tend to overestimate infiltration rates and saturated hydraulic conductivities by a factor of 10 or more. Table C-3 describes the differences in the definitions.

TABLE C-3
SOIL PERMEABILITY DEFINITIONS

Term	Definition
Infiltration Rate	The observation of the flow of water through a material into the ground downward into a given soil structure under long term conditions. This is a function of layering of soil, density, pore space, discontinuities and initial moisture content.
Percolation Rate	The observation of the flow of water through a material into the ground downward and laterally into a given soil structure under long term conditions. This is a function of layering of soil, density, pore space, discontinuities and initial moisture content.
Saturated Hydraulic Conductivity (k_{SAT}, Permeability)	The volume of water that will move in a porous medium under a hydraulic gradient through a unit area. This is a function of density, structure, stratification, fines content and discontinuities. It is also a function of the properties of the liquid as well as of the porous medium.

The degree of soil compaction or in-situ density has a significant impact on soil permeability and infiltration. Based on our experience and other studies we performed, an increase in compaction results in a decrease in soil permeability.

We performed one constant head, borehole Infiltration Test, I-1, at location shown on the attached Geologic Map, Figure 2. The test boring was 4 inches in diameter. The results of the tests provide parameters for the saturated hydraulic conductivity characteristics of on-site soil and geologic units. Table C-4 presents the results of the estimated field saturated hydraulic conductivity and estimated infiltration rates obtained from the borehole percolation test. The test results are also attached herein. We applied a feasibility factor of safety of 2 to the field results for use in preparation of Worksheet C.4-1. The results of the testing indicate adjusted soil infiltration rates of 0.0 inches per hour after applying a Factor of Safety of 2.

TABLE C-4
FIELD PERMEAMETER INFILTRATION TEST RESULTS

Test No.	Geologic Unit	Test Depth (feet)	Field-Saturated Hydraulic Conductivity, k_{sat} (inch/hour)	Worksheet[1] Saturated Hydraulic Conductivity, k_{sat} (inch/hour)
I-1	Qt	2.7	0.071	0.036

[1] Using a factor of safety of 2 for Worksheet C.4-1.

STORM WATER MANAGEMENT CONCLUSIONS

The Geologic Map, Figure 2, depicts the existing property, proposed development, the approximate lateral limits of the geologic units, the locations of the field excavations and the in-situ infiltration test locations.

Soil Types

Proposed Compacted Fill – Compacted fill will be placed across the entire property during site development. Proposed remedial grading will consist of removing the surficial soils and replacement as compacted fill. The proposed storm water BMP's will be founded in compacted fill placed above Friars Formation or granitic rock. The compacted fill will be comprised of on-site sandy clay and clayey gravel. The fill will be compacted to a dry density of at least 90 percent of the laboratory maximum dry density. In our experience, compacted fill does not possess infiltration rates appropriate for infiltration BMP's. Hazards that occur as a result of fill soil saturation include a potential for hydro-consolidation of the granular fill soils, heaving of expansive soils, long term fill settlement, differential fill settlement, and lateral movement associated with saturated fill relaxation. The potential for lateral water migration to adversely impact existing or proposed structures, foundations, utilities, and roadways, is high. Therefore, full infiltration should be considered infeasible.

Section D.4.2 of the *2016 Storm Water Standards* (SWS) provides a discussion regarding fill materials used for infiltration. The SWS states:

- *For engineered fills, infiltration rates may still be quite uncertain due to layering and heterogeneities introduced as part of construction that cannot be precisely controlled.* Due to these uncertainties, full and partial infiltration should be considered geotechnically infeasible and liners and subdrains should be used in areas where infiltration BMP's are founded in compacted fill.

- *Where possible, infiltration BMPs on fill material should be designed such that their infiltrating surface extends into native soils*. Full and partial infiltration should be considered geotechnically infeasible within the compacted fill and liners and subdrains should be used. If the infiltration BMP's extended below the compacted fill, partial infiltration may be feasible.

- *Because of the uncertainty of fill parameters as well as potential compaction of the native soils, an infiltration BMP may not be feasible*. Therefore, full infiltration should be considered geotechnically infeasible. Partial infiltration may be feasible if the infiltration BMP extends below the compacted fill.

Infiltration Rates

The results of the infiltration test (including the feasibility factor of safety of 2) obtained within the Terrace Deposits was 0.036 inches per hour (iph). Based on the results of the infiltration testing, the test does not meet the minimum threshold for full or partial infiltration; therefore, full and partial infiltration is considered infeasible.

Groundwater Elevations

Groundwater was encountered during the field investigation and is expected to be a constraint.

Soil or Groundwater Contamination

Based on our review of the Geotracker website, no soil contamination exists or is known to exist on-site.

New or Existing Utilities

Existing utilities are present within right of ways adjacent to the existing streets, generally beneath public sidewalks and roadways. Full infiltration near existing or proposed utilities should be avoided to prevent lateral water migration into the permeable trench backfill materials. Any infiltration BMP's should be setback at least 10 feet from closest utility.

Existing and Planned Structures

Proposed storm water BMP's are shown throughout the development. Any proposed storm water BMP's adjacent to existing or proposed structures should include a horizontal setback of at least 10 feet.

Slopes

The northern property moderately to steeply slopes to the south. Proposed cut and fill slopes of approximately 30 feet and 4 feet high, respectively, are proposed. Proposed storm water BMP's adjacent to existing or proposed cut and fill slopes should include a horizontal setback of H and 1.5H, respectively. For example, considering a 30 foot high cut slope and 4 foot high fill slope, a horizontal setback of 30 feet and 6 feet, respectively, should be used.

Recommendations

Due to the low infiltration rate obtained in the Terrace Deposits, and considering the entire site will be underlain with compacted fill over dense granitic rock or hard Friars Formation, full and partial infiltration of storm water is considered geotechnically infeasible and the proposed development exhibits a "*No Infiltration*" condition. Liners and subdrains should be incorporated into the design and construction of the planned storm water devices. The liners should be impermeable (e.g. High-density polyethylene, HDPE, with a thickness of about 30 mil or equivalent Polyvinyl Chloride, PVC) to prevent water migration. The subdrains should be perforated within the liner area, installed at the base and above the liner, be at least 4 inches in diameter and consist of Schedule 40 PVC pipe. The subdrains outside of the liner should consist of solid pipe. Seams and penetrations of the liners should be properly waterproofed. The subdrains should be connected to a proper outlet. The devices should also be installed in accordance with the manufacturer's recommendations.

Storm Water Standard Worksheets

The SWS requests the geotechnical engineer complete the *Categorization of Infiltration Feasibility Condition* (Worksheet C.4-1 or I-8) worksheet information to help evaluate the potential for infiltration on the property. The attached Worksheet C.4-1 presents the completed information for the submittal process.

The regional storm water standards also have a worksheet (Worksheet D.5-1 or Form I-9) that helps the project civil engineer estimate the factor of safety based on several factors. Table C-5 describes the suitability assessment input parameters related to the geotechnical engineering aspects for the factor of safety determination.

TABLE C-5
SUITABILITY ASSESSMENT RELATED CONSIDERATIONS
FOR INFILTRATION FACILITY SAFETY FACTORS

Consideration	High Concern – 3 Points	Medium Concern – 2 Points	Low Concern – 1 Point
Assessment Methods	Use of soil survey maps or simple texture analysis to estimate short-term infiltration rates. Use of well permeameter or borehole methods without accompanying continuous boring log. Relatively sparse testing with direct infiltration methods	Use of well permeameter or borehole methods with accompanying continuous boring log. Direct measurement of infiltration area with localized infiltration measurement methods (e.g., Infiltrometer). Moderate spatial resolution	Direct measurement with localized (i.e. small-scale) infiltration testing methods at relatively high resolution or use of extensive test pit infiltration measurement methods.
Predominant Soil Texture	Silty and clayey soils with significant fines	Loamy soils	Granular to slightly loamy soils
Site Soil Variability	Highly variable soils indicated from site assessment or unknown variability	Soil boring/test pits indicate moderately homogenous soils	Soil boring/test pits indicate relatively homogenous soils
Depth to Groundwater/ Impervious Layer	<5 feet below facility bottom	5-15 feet below facility bottom	>15 feet below facility bottom

Based on our geotechnical investigation and the information in Table C-5, Table C-6 presents the estimated factor values for the evaluation of the factor of safety. This table only provides the suitability assessment safety factor (Part A) of the worksheet. The project civil engineer should evaluate the safety factor for design (Part B) and use the combined safety factor for the design infiltration rate.

TABLE D-6
FACTOR OF SAFETY WORKSHEET DESIGN VALUES – PART A[1]

Suitability Assessment Factor Category	Assigned Weight (w)	Factor Value (v)	Product (p = w x v)
Assessment Methods	0.25	3	0.75
Predominant Soil Texture	0.25	3	0.75
Site Soil Variability	0.25	1	0.25
Depth to Groundwater/ Impervious Layer	0.25	2	0.50
Suitability Assessment Safety Factor, $S_A = \sum p$			2.25

[1] The project civil engineer should complete Worksheet D.5-1 or Form I-9 using the data on this table. Additional information is required to evaluate the design factor of safety.

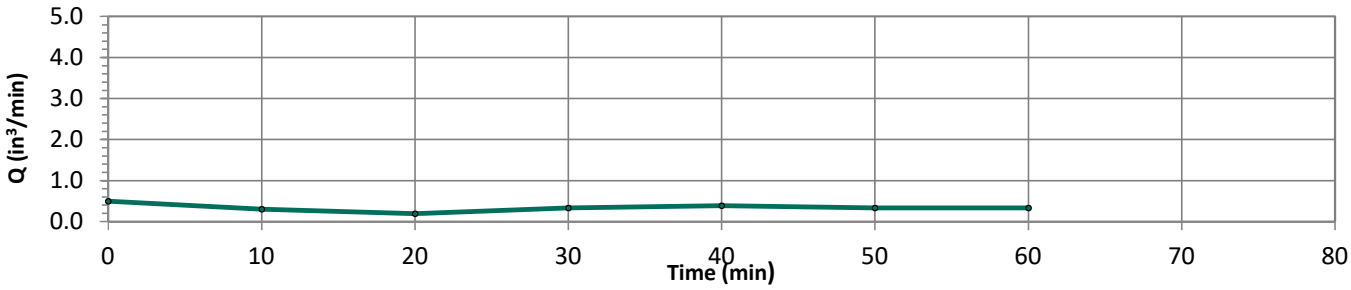
TEST NO.: I-1

GEOLOGIC UNIT: Qt

EXCAVATION ELEVATION (MSL, FT): 449

TEST INFORMATION	
BOREHOLE DIAMETER (IN):	4
BOREHOLE DEPTH (FT):	2.7
TEST/BOTTOM ELEVATION (MSL, FT):	446
MEASURED HEAD HEIGHT (IN):	5.5
CALCULATED HEAD HEIGHT (IN):	5.9
FACTOR OF SAFETY:	2.0

TEST RESULTS	
STEADY FLOW RATE (IN^3/MIN):	**0.332**
FIELD-SATURATED INFILTRATION RATE (IN/HR):	**0.071**
FACTORED INFILTRATION RATE (IN/HR):	**0.036**



TEST DATA				
Reading	Time Elapsed (min)	Water Weight Consumed (lbs)	Water Volume Consumed (in^3)	Q (in^3/min)
1	0.00	0.000	0.00	0.00
2	10.00	0.180	4.98	0.498
3	10.00	0.110	3.05	0.305
4	10.00	0.070	1.94	0.194
5	10.00	0.120	3.32	0.332
6	10.00	0.140	3.88	0.388
7	10.00	0.120	3.32	0.332
8	10.00	0.120	3.32	0.332

GEOCON
INCORPORATED
GEOTECHNICAL CONSULTANTS
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DOWNHOLE PERMEAMETER TEST RESULTS

OAK KNOLL, POWAY, CA

PROJECT NO.: G2746-32-02

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll North, Poway

June 8, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,590 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	0.1	1.2%
OhC	Olivenhain cobbly loam, 2 to 9 percent slopes	1.5	19.8%
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	5.8	79.0%
Totals for Area of Interest		**7.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

CmE2—Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded

Map Unit Setting

National map unit symbol: hb9t
Elevation: 500 to 4,000 feet
Mean annual precipitation: 8 to 35 inches
Mean annual air temperature: 45 to 64 degrees F
Frost-free period: 110 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Cieneba and similar soils: 60 percent
Rock outcrop: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cieneba

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from granite and granodiorite

Typical profile

H1 - 0 to 8 inches: coarse sandy loam
H2 - 8 to 12 inches: weathered bedrock

Properties and qualities

Slope: 9 to 30 percent
Depth to restrictive feature: 4 to 20 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 0.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R019XD060CA - SHALLOW LOAMY (1975)
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex

Typical profile
H1 - 0 to 4 inches: unweathered bedrock

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Vista
Percent of map unit: 5 percent
Hydric soil rating: No

Las posas
Percent of map unit: 5 percent
Hydric soil rating: No

OhC—Olivenhain cobbly loam, 2 to 9 percent slopes

Map Unit Setting
National map unit symbol: hbfb
Elevation: 100 to 600 feet
Mean annual precipitation: 14 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 290 to 330 days
Farmland classification: Not prime farmland

Map Unit Composition
Olivenhain and similar soils: 85 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Olivenhain

Setting
Landform: Marine terraces
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Gravelly alluvium derived from mixed sources

Typical profile
H1 - 0 to 10 inches: cobbly loam
H2 - 10 to 42 inches: very cobbly clay
H3 - 42 to 60 inches: cobbly clay loam

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Diablo

Percent of map unit: 4 percent
Hydric soil rating: No

Linne

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 2 percent
Landform: Depressions
Hydric soil rating: Yes

Huerhuero

Percent of map unit: 2 percent
Hydric soil rating: No

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent
Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

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United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll South, Poway, CA

June 8, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:410 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 5 10 20 30

Feet
0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slopes	0.4	73.4%
VaA	Visalia sandy loam, 0 to 2 percent slopes	0.2	26.6%
Totals for Area of Interest		**0.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent

Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

VaA—Visalia sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hbh2
Elevation: 600 to 1,200 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 57 degrees F
Frost-free period: 200 to 350 days
Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Visalia and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Visalia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Riser, flat
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 12 inches: sandy loam
H2 - 12 to 40 inches: fine sandy loam
H3 - 40 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare

Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 2c
Hydrologic Soil Group: A
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Minor Components

Grangeville

Percent of map unit: 5 percent
Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent
Hydric soil rating: No

Placentia

Percent of map unit: 2 percent
Hydric soil rating: No

Tujunga

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed

Percent of map unit: 1 percent
Landform: Flood plains
Hydric soil rating: Yes

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APPENDIX D

APPENDIX D

RECOMMENDED GRADING SPECIFICATIONS

FOR

OAK KNOLL
POWAY, CALIFORNIA

PROJECT NO. G2746-32-02

RECOMMENDED GRADING SPECIFICATIONS

1. GENERAL

1.1 These Recommended Grading Specifications shall be used in conjunction with the Geotechnical Report for the project prepared by Geocon. The recommendations contained in the text of the Geotechnical Report are a part of the earthwork and grading specifications and shall supersede the provisions contained hereinafter in the case of conflict.

1.2 Prior to the commencement of grading, a geotechnical consultant (Consultant) shall be employed for the purpose of observing earthwork procedures and testing the fills for substantial conformance with the recommendations of the Geotechnical Report and these specifications. The Consultant should provide adequate testing and observation services so that they may assess whether, in their opinion, the work was performed in substantial conformance with these specifications. It shall be the responsibility of the Contractor to assist the Consultant and keep them apprised of work schedules and changes so that personnel may be scheduled accordingly.

1.3 It shall be the sole responsibility of the Contractor to provide adequate equipment and methods to accomplish the work in accordance with applicable grading codes or agency ordinances, these specifications and the approved grading plans. If, in the opinion of the Consultant, unsatisfactory conditions such as questionable soil materials, poor moisture condition, inadequate compaction, and/or adverse weather result in a quality of work not in conformance with these specifications, the Consultant will be empowered to reject the work and recommend to the Owner that grading be stopped until the unacceptable conditions are corrected.

2. DEFINITIONS

2.1 **Owner** shall refer to the owner of the property or the entity on whose behalf the grading work is being performed and who has contracted with the Contractor to have grading performed.

2.2 **Contractor** shall refer to the Contractor performing the site grading work.

2.3 **Civil Engineer** or **Engineer of Work** shall refer to the California licensed Civil Engineer or consulting firm responsible for preparation of the grading plans, surveying and verifying as-graded topography.

2.4 **Consultant** shall refer to the soil engineering and engineering geology consulting firm retained to provide geotechnical services for the project.

2.5 **Soil Engineer** shall refer to a California licensed Civil Engineer retained by the Owner, who is experienced in the practice of geotechnical engineering. The Soil Engineer shall be responsible for having qualified representatives on-site to observe and test the Contractor's work for conformance with these specifications.

2.6 **Engineering Geologist** shall refer to a California licensed Engineering Geologist retained by the Owner to provide geologic observations and recommendations during the site grading.

2.7 **Geotechnical Report** shall refer to a soil report (including all addenda) which may include a geologic reconnaissance or geologic investigation that was prepared specifically for the development of the project for which these Recommended Grading Specifications are intended to apply.

3. MATERIALS

3.1 Materials for compacted fill shall consist of any soil excavated from the cut areas or imported to the site that, in the opinion of the Consultant, is suitable for use in construction of fills. In general, fill materials can be classified as *soil* fills, *soil-rock* fills or *rock* fills, as defined below.

3.1.1 **Soil fills** are defined as fills containing no rocks or hard lumps greater than 12 inches in maximum dimension and containing at least 40 percent by weight of material smaller than ¾ inch in size.

3.1.2 **Soil-rock fills** are defined as fills containing no rocks or hard lumps larger than 4 feet in maximum dimension and containing a sufficient matrix of soil fill to allow for proper compaction of soil fill around the rock fragments or hard lumps as specified in Paragraph 6.2. **Oversize rock** is defined as material greater than 12 inches.

3.1.3 **Rock fills** are defined as fills containing no rocks or hard lumps larger than 3 feet in maximum dimension and containing little or no fines. Fines are defined as material smaller than ¾ inch in maximum dimension. The quantity of fines shall be less than approximately 20 percent of the rock fill quantity.

3.2 Material of a perishable, spongy, or otherwise unsuitable nature as determined by the Consultant shall not be used in fills.

3.3 Materials used for fill, either imported or on-site, shall not contain hazardous materials as defined by the California Code of Regulations, Title 22, Division 4, Chapter 30, Articles 9

and 10; 40CFR; and any other applicable local, state or federal laws. The Consultant shall not be responsible for the identification or analysis of the potential presence of hazardous materials. However, if observations, odors or soil discoloration cause Consultant to suspect the presence of hazardous materials, the Consultant may request from the Owner the termination of grading operations within the affected area. Prior to resuming grading operations, the Owner shall provide a written report to the Consultant indicating that the suspected materials are not hazardous as defined by applicable laws and regulations.

3.4 The outer 15 feet of *soil-rock* fill slopes, measured horizontally, should be composed of properly compacted *soil* fill materials approved by the Consultant. *Rock* fill may extend to the slope face, provided that the slope is not steeper than 2:1 (horizontal:vertical) and a soil layer no thicker than 12 inches is track-walked onto the face for landscaping purposes. This procedure may be utilized provided it is acceptable to the governing agency, Owner and Consultant.

3.5 Samples of soil materials to be used for fill should be tested in the laboratory by the Consultant to determine the maximum density, optimum moisture content, and, where appropriate, shear strength, expansion, and gradation characteristics of the soil.

3.6 During grading, soil or groundwater conditions other than those identified in the Geotechnical Report may be encountered by the Contractor. The Consultant shall be notified immediately to evaluate the significance of the unanticipated condition.

4. CLEARING AND PREPARING AREAS TO BE FILLED

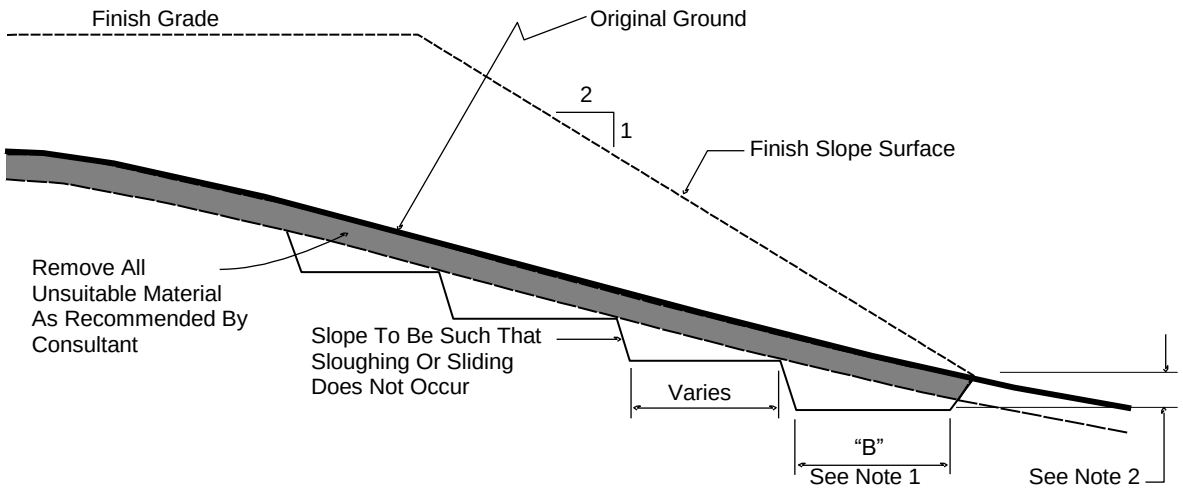
4.1 Areas to be excavated and filled shall be cleared and grubbed. Clearing shall consist of complete removal above the ground surface of trees, stumps, brush, vegetation, man-made structures, and similar debris. Grubbing shall consist of removal of stumps, roots, buried logs and other unsuitable material and shall be performed in areas to be graded. Roots and other projections exceeding 1½ inches in diameter shall be removed to a depth of 3 feet below the surface of the ground. Borrow areas shall be grubbed to the extent necessary to provide suitable fill materials.

4.2 Asphalt pavement material removed during clearing operations should be properly disposed at an approved off-site facility or in an acceptable area of the project evaluated by Geocon and the property owner. Concrete fragments that are free of reinforcing steel may be placed in fills, provided they are placed in accordance with Section 6.2 or 6.3 of this document.

4.3 After clearing and grubbing of organic matter and other unsuitable material, loose or porous soils shall be removed to the depth recommended in the Geotechnical Report. The depth of removal and compaction should be observed and approved by a representative of the Consultant. The exposed surface shall then be plowed or scarified to a minimum depth of 6 inches and until the surface is free from uneven features that would tend to prevent uniform compaction by the equipment to be used.

4.4 Where the slope ratio of the original ground is steeper than 5:1 (horizontal:vertical), or where recommended by the Consultant, the original ground should be benched in accordance with the following illustration.

TYPICAL BENCHING DETAIL



No Scale

DETAIL NOTES:

(1) Key width "B" should be a minimum of 10 feet, or sufficiently wide to permit complete coverage with the compaction equipment used. The base of the key should be graded horizontal, or inclined slightly into the natural slope.

(2) The outside of the key should be below the topsoil or unsuitable surficial material and at least 2 feet into dense formational material. Where hard rock is exposed in the bottom of the key, the depth and configuration of the key may be modified as approved by the Consultant.

4.5 After areas to receive fill have been cleared and scarified, the surface should be moisture conditioned to achieve the proper moisture content, and compacted as recommended in Section 6 of these specifications.

5. COMPACTION EQUIPMENT

5.1 Compaction of *soil* or *soil-rock* fill shall be accomplished by sheepsfoot or segmented-steel wheeled rollers, vibratory rollers, multiple-wheel pneumatic-tired rollers, or other types of acceptable compaction equipment. Equipment shall be of such a design that it will be capable of compacting the *soil* or *soil-rock* fill to the specified relative compaction at the specified moisture content.

5.2 Compaction of *rock* fills shall be performed in accordance with Section 6.3.

6. PLACING, SPREADING AND COMPACTION OF FILL MATERIAL

6.1 *Soil* fill, as defined in Paragraph 3.1.1, shall be placed by the Contractor in accordance with the following recommendations:

6.1.1 *Soil* fill shall be placed by the Contractor in layers that, when compacted, should generally not exceed 8 inches. Each layer shall be spread evenly and shall be thoroughly mixed during spreading to obtain uniformity of material and moisture in each layer. The entire fill shall be constructed as a unit in nearly level lifts. Rock materials greater than 12 inches in maximum dimension shall be placed in accordance with Section 6.2 or 6.3 of these specifications.

6.1.2 In general, the *soil* fill shall be compacted at a moisture content at or above the optimum moisture content as determined by ASTM D 1557.

6.1.3 When the moisture content of *soil* fill is below that specified by the Consultant, water shall be added by the Contractor until the moisture content is in the range specified.

6.1.4 When the moisture content of the *soil* fill is above the range specified by the Consultant or too wet to achieve proper compaction, the *soil* fill shall be aerated by the Contractor by blading/mixing, or other satisfactory methods until the moisture content is within the range specified.

6.1.5 After each layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted by the Contractor to a relative compaction of at least 90 percent. Relative compaction is defined as the ratio (expressed in percent) of the in-place dry density of the compacted fill to the maximum laboratory dry density as determined in accordance with ASTM D 1557. Compaction shall be continuous over the entire area, and compaction equipment shall make sufficient passes so that the specified minimum relative compaction has been achieved throughout the entire fill.

6.1.6 Where practical, soils having an Expansion Index greater than 50 should be placed at least 3 feet below finish pad grade and should be compacted at a moisture content generally 2 to 4 percent greater than the optimum moisture content for the material.

6.1.7 Properly compacted *soil* fill shall extend to the design surface of fill slopes. To achieve proper compaction, it is recommended that fill slopes be over-built by at least 3 feet and then cut to the design grade. This procedure is considered preferable to track-walking of slopes, as described in the following paragraph.

6.1.8 As an alternative to over-building of slopes, slope faces may be back-rolled with a heavy-duty loaded sheepsfoot or vibratory roller at maximum 4-foot fill height intervals. Upon completion, slopes should then be track-walked with a D-8 dozer or similar equipment, such that a dozer track covers all slope surfaces at least twice.

6.2 *Soil-rock* fill, as defined in Paragraph 3.1.2, shall be placed by the Contractor in accordance with the following recommendations:

6.2.1 Rocks larger than 12 inches but less than 4 feet in maximum dimension may be incorporated into the compacted *soil* fill, but shall be limited to the area measured 15 feet minimum horizontally from the slope face and 5 feet below finish grade or 3 feet below the deepest utility, whichever is deeper.

6.2.2 Rocks or rock fragments up to 4 feet in maximum dimension may either be individually placed or placed in windrows. Under certain conditions, rocks or rock fragments up to 10 feet in maximum dimension may be placed using similar methods. The acceptability of placing rock materials greater than 4 feet in maximum dimension shall be evaluated during grading as specific cases arise and shall be approved by the Consultant prior to placement.

6.2.3 For individual placement, sufficient space shall be provided between rocks to allow for passage of compaction equipment.

6.2.4 For windrow placement, the rocks should be placed in trenches excavated in properly compacted *soil* fill. Trenches should be approximately 5 feet wide and 4 feet deep in maximum dimension. The voids around and beneath rocks should be filled with approved granular soil having a Sand Equivalent of 30 or greater and should be compacted by flooding. Windrows may also be placed utilizing an "open-face" method in lieu of the trench procedure, however, this method should first be approved by the Consultant.

6.2.5 Windrows should generally be parallel to each other and may be placed either parallel to or perpendicular to the face of the slope depending on the site geometry. The minimum horizontal spacing for windrows shall be 12 feet center-to-center with a 5-foot stagger or offset from lower courses to next overlying course. The minimum vertical spacing between windrow courses shall be 2 feet from the top of a lower windrow to the bottom of the next higher windrow.

6.2.6 Rock placement, fill placement and flooding of approved granular soil in the windrows should be continuously observed by the Consultant.

6.3 *Rock* fills, as defined in Section 3.1.3, shall be placed by the Contractor in accordance with the following recommendations:

6.3.1 The base of the *rock* fill shall be placed on a sloping surface (minimum slope of 2 percent). The surface shall slope toward suitable subdrainage outlet facilities. The *rock* fills shall be provided with subdrains during construction so that a hydrostatic pressure buildup does not develop. The subdrains shall be permanently connected to controlled drainage facilities to control post-construction infiltration of water.

6.3.2 *Rock* fills shall be placed in lifts not exceeding 3 feet. Placement shall be by rock trucks traversing previously placed lifts and dumping at the edge of the currently placed lift. Spreading of the *rock* fill shall be by dozer to facilitate *seating* of the rock. The *rock* fill shall be watered heavily during placement. Watering shall consist of water trucks traversing in front of the current rock lift face and spraying water continuously during rock placement. Compaction equipment with compactive energy comparable to or greater than that of a 20-ton steel vibratory roller or other compaction equipment providing suitable energy to achieve the required compaction or deflection as recommended in Paragraph 6.3.3 shall be utilized. The number of passes to be made should be determined as described in Paragraph 6.3.3. Once a *rock* fill lift has been covered with *soil* fill, no additional *rock* fill lifts will be permitted over the *soil* fill.

6.3.3 Plate bearing tests, in accordance with ASTM D 1196, may be performed in both the compacted *soil* fill and in the *rock* fill to aid in determining the required minimum number of passes of the compaction equipment. If performed, a minimum of three plate bearing tests should be performed in the properly compacted *soil* fill (minimum relative compaction of 90 percent). Plate bearing tests shall then be performed on areas of *rock* fill having two passes, four passes and six passes of the compaction equipment, respectively. The number of passes required for the *rock* fill shall be determined by comparing the results of the plate bearing tests for the *soil* fill and the *rock* fill and by evaluating the deflection

variation with number of passes. The required number of passes of the compaction equipment will be performed as necessary until the plate bearing deflections are equal to or less than that determined for the properly compacted *soil* fill. In no case will the required number of passes be less than two.

6.3.4 A representative of the Consultant should be present during *rock* fill operations to observe that the minimum number of "passes" have been obtained, that water is being properly applied and that specified procedures are being followed. The actual number of plate bearing tests will be determined by the Consultant during grading.

6.3.5 Test pits shall be excavated by the Contractor so that the Consultant can state that, in their opinion, sufficient water is present and that voids between large rocks are properly filled with smaller rock material. In-place density testing will not be required in the *rock* fills.

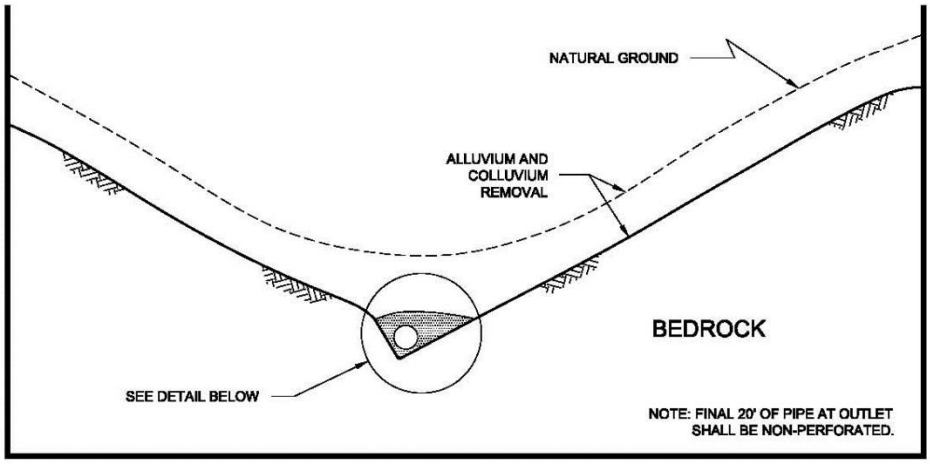
6.3.6 To reduce the potential for "piping" of fines into the *rock* fill from overlying *soil* fill material, a 2-foot layer of graded filter material shall be placed above the uppermost lift of *rock* fill. The need to place graded filter material below the *rock* should be determined by the Consultant prior to commencing grading. The gradation of the graded filter material will be determined at the time the *rock* fill is being excavated. Materials typical of the *rock* fill should be submitted to the Consultant in a timely manner, to allow design of the graded filter prior to the commencement of *rock* fill placement.

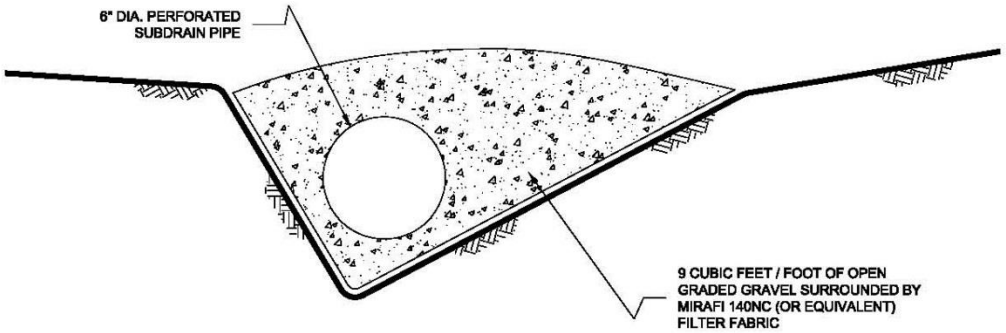
6.3.7 *Rock* fill placement should be continuously observed during placement by the Consultant.

7. SUBDRAINS

7.1 The geologic units on the site may have permeability characteristics and/or fracture systems that could be susceptible under certain conditions to seepage. The use of canyon subdrains may be necessary to mitigate the potential for adverse impacts associated with seepage conditions. Canyon subdrains with lengths in excess of 500 feet or extensions of existing offsite subdrains should use 8-inch-diameter pipes. Canyon subdrains less than 500 feet in length should use 6-inch-diameter pipes.

TYPICAL CANYON DRAIN DETAIL





NOTES:

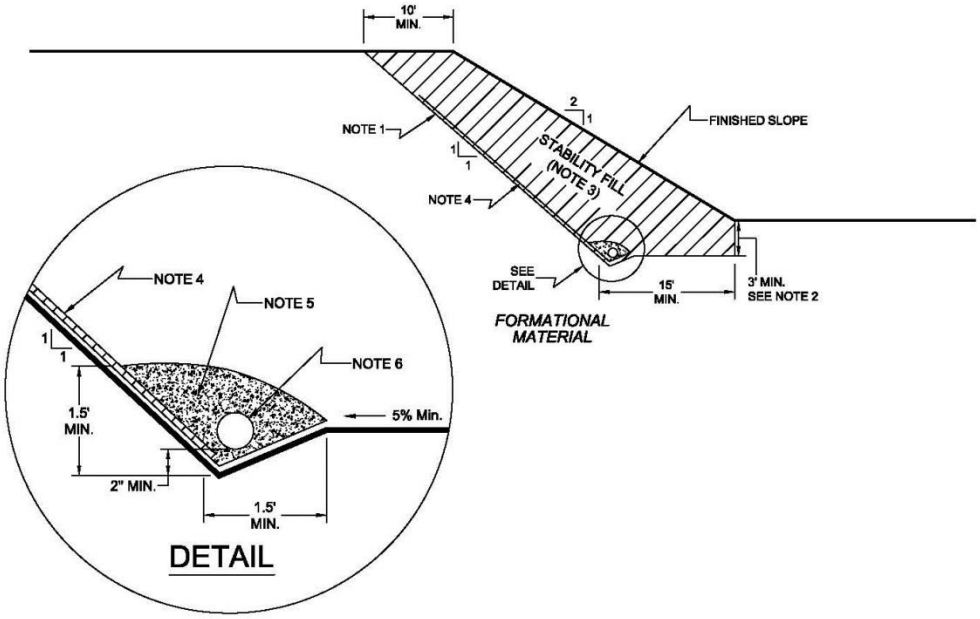
1.....6-INCH DIAMETER, SCHEDULE 80 PVC PERFORATED PIPE FOR FILLS
IN EXCESS OF 100-FEET IN DEPTH OR A PIPE LENGTH OF LONGER THAN 500 FEET.

2.....6-INCH DIAMETER, SCHEDULE 40 PVC PERFORATED PIPE FOR FILLS
LESS THAN 100-FEET IN DEPTH OR A PIPE LENGTH SHORTER THAN 500 FEET.

NO SCALE

7.2 Slope drains within stability fill keyways should use 4-inch-diameter (or lager) pipes.

TYPICAL STABILITY FILL DETAIL



NOTES:

1.....EXCAVATE BACKCUT AT 1:1 INCLINATION (UNLESS OTHERWISE NOTED).

2.....BASE OF STABILITY FILL TO BE 3 FEET INTO FORMATIONAL MATERIAL, SLOPING A MINIMUM 5% INTO SLOPE.

3.....STABILITY FILL TO BE COMPOSED OF PROPERLY COMPACTED GRANULAR SOIL.

4.....CHIMNEY DRAINS TO BE APPROVED PREFABRICATED CHIMNEY DRAIN PANELS (MIRADRAIN G200N OR EQUIVALENT) SPACED APPROXIMATELY 20 FEET CENTER TO CENTER AND 4 FEET WIDE. CLOSER SPACING MAY BE REQUIRED IF SEEPAGE IS ENCOUNTERED.

5.....FILTER MATERIAL TO BE 3/4-INCH, OPEN-GRADED CRUSHED ROCK ENCLOSED IN APPROVED FILTER FABRIC (MIRAFI 140NC).

6.....COLLECTOR PIPE TO BE 4-INCH MINIMUM DIAMETER, PERFORATED, THICK-WALLED PVC SCHEDULE 40 OR EQUIVALENT, AND SLOPED TO DRAIN AT 1 PERCENT MINIMUM TO APPROVED OUTLET.

NO SCALE

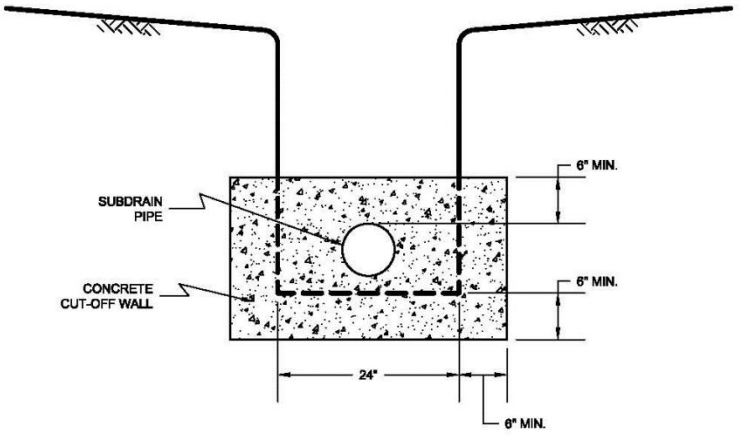
7.3 The actual subdrain locations will be evaluated in the field during the remedial grading operations. Additional drains may be necessary depending on the conditions observed and the requirements of the local regulatory agencies. Appropriate subdrain outlets should be evaluated prior to finalizing 40-scale grading plans.

7.4 *Rock* fill or *soil-rock* fill areas may require subdrains along their down-slope perimeters to mitigate the potential for buildup of water from construction or landscape irrigation. The subdrains should be at least 6-inch-diameter pipes encapsulated in gravel and filter fabric. *Rock* fill drains should be constructed using the same requirements as canyon subdrains.

7.5 Prior to outletting, the final 20-foot segment of a subdrain that will not be extended during future development should consist of non-perforated drainpipe. At the non-perforated/ perforated interface, a seepage cutoff wall should be constructed on the downslope side of the pipe.

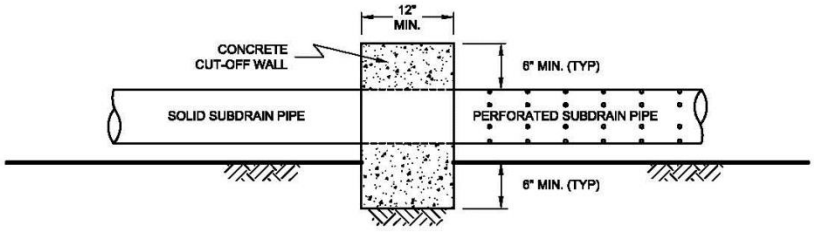
TYPICAL CUT OFF WALL DETAIL

FRONT VIEW



NO SCALE

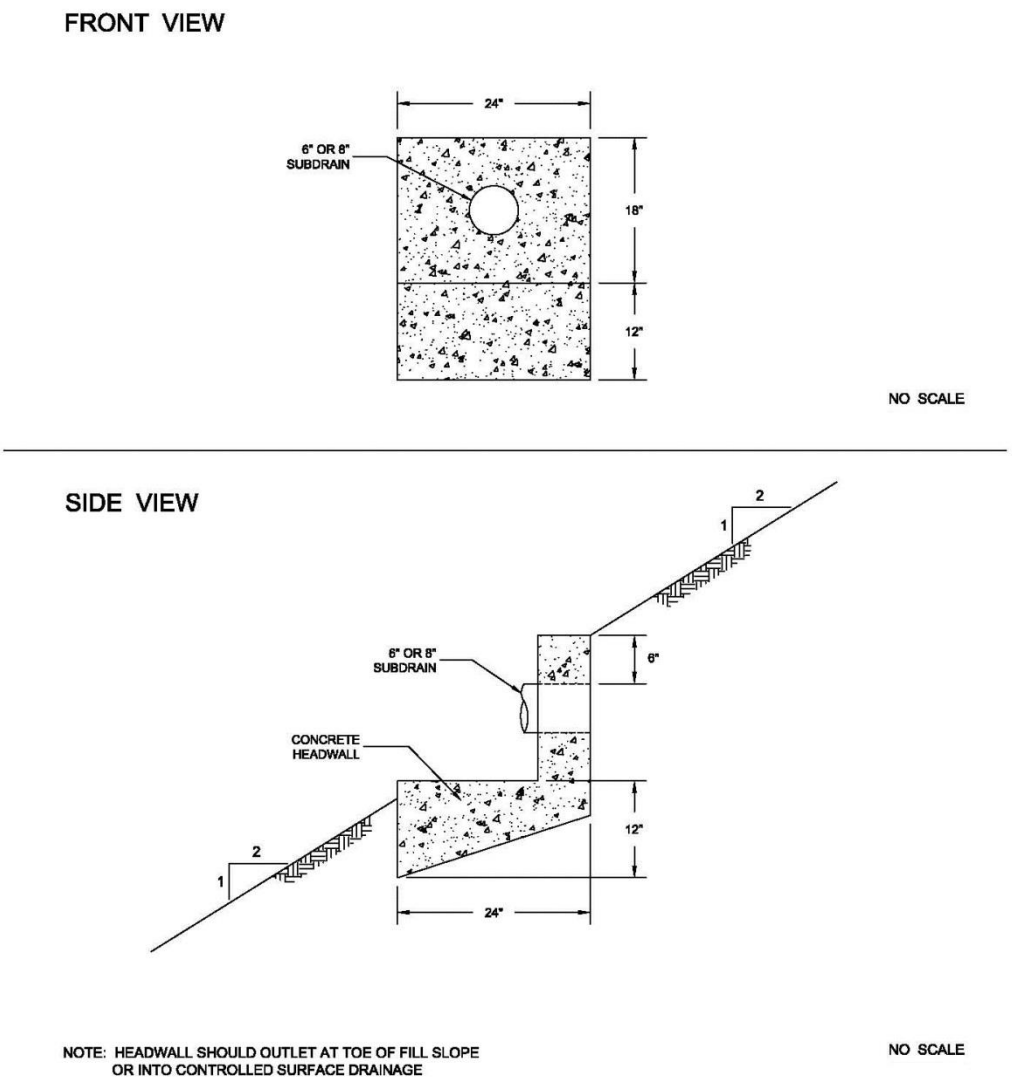
SIDE VIEW



NO SCALE

7.6 Subdrains that discharge into a natural drainage course or open space area should be provided with a permanent headwall structure.

TYPICAL HEADWALL DETAIL



7.7 The final grading plans should show the location of the proposed subdrains. After completion of remedial excavations and subdrain installation, the project civil engineer should survey the drain locations and prepare an "as-built" map showing the drain locations. The final outlet and connection locations should be determined during grading operations. Subdrains that will be extended on adjacent projects after grading can be placed on formational material and a vertical riser should be placed at the end of the subdrain. The grading contractor should consider videoing the subdrains shortly after burial to check proper installation and functionality. The contractor is responsible for the performance of the drains.

8. OBSERVATION AND TESTING

8.1 The Consultant shall be the Owner's representative to observe and perform tests during clearing, grubbing, filling, and compaction operations. In general, no more than 2 feet in vertical elevation of *soil* or *soil-rock* fill should be placed without at least one field density test being performed within that interval. In addition, a minimum of one field density test should be performed for every 2,000 cubic yards of *soil* or *soil-rock* fill placed and compacted.

8.2 The Consultant should perform a sufficient distribution of field density tests of the compacted *soil* or *soil-rock* fill to provide a basis for expressing an opinion whether the fill material is compacted as specified. Density tests shall be performed in the compacted materials below any disturbed surface. When these tests indicate that the density of any layer of fill or portion thereof is below that specified, the particular layer or areas represented by the test shall be reworked until the specified density has been achieved.

8.3 During placement of *rock* fill, the Consultant should observe that the minimum number of passes have been obtained per the criteria discussed in Section 6.3.3. The Consultant should request the excavation of observation pits and may perform plate bearing tests on the placed *rock* fills. The observation pits will be excavated to provide a basis for expressing an opinion as to whether the *rock* fill is properly seated and sufficient moisture has been applied to the material. When observations indicate that a layer of *rock* fill or any portion thereof is below that specified, the affected layer or area shall be reworked until the *rock* fill has been adequately seated and sufficient moisture applied.

8.4 A settlement monitoring program designed by the Consultant may be conducted in areas of *rock* fill placement. The specific design of the monitoring program shall be as recommended in the Conclusions and Recommendations section of the project Geotechnical Report or in the final report of testing and observation services performed during grading.

8.5 We should observe the placement of subdrains, to check that the drainage devices have been placed and constructed in substantial conformance with project specifications.

8.6 Testing procedures shall conform to the following Standards as appropriate:

8.6.1 Soil and Soil-Rock Fills:

8.6.1.1 Field Density Test, ASTM D 1556, *Density of Soil In-Place By the Sand-Cone Method.*

8.6.1.2 Field Density Test, Nuclear Method, ASTM D 6938, *Density of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth).*

8.6.1.3 Laboratory Compaction Test, ASTM D 1557, *Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-Pound Hammer and 18-Inch Drop*.

8.6.1.4. Expansion Index Test, ASTM D 4829, *Expansion Index Test*.

9. PROTECTION OF WORK

9.1 During construction, the Contractor shall properly grade all excavated surfaces to provide positive drainage and prevent ponding of water. Drainage of surface water shall be controlled to avoid damage to adjoining properties or to finished work on the site. The Contractor shall take remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features have been installed. Areas subjected to erosion or sedimentation shall be properly prepared in accordance with the Specifications prior to placing additional fill or structures.

9.2 After completion of grading as observed and tested by the Consultant, no further excavation or filling shall be conducted except in conjunction with the services of the Consultant.

10. CERTIFICATIONS AND FINAL REPORTS

10.1 Upon completion of the work, Contractor shall furnish Owner a certification by the Civil Engineer stating that the lots and/or building pads are graded to within 0.1 foot vertically of elevations shown on the grading plan and that all tops and toes of slopes are within 0.5 foot horizontally of the positions shown on the grading plans. After installation of a section of subdrain, the project Civil Engineer should survey its location and prepare an *as-built* plan of the subdrain location. The project Civil Engineer should verify the proper outlet for the subdrains and the Contractor should ensure that the drain system is free of obstructions.

10.2 The Owner is responsible for furnishing a final as-graded soil and geologic report satisfactory to the appropriate governing or accepting agencies. The as-graded report should be prepared and signed by a California licensed Civil Engineer experienced in geotechnical engineering and by a California Certified Engineering Geologist, indicating that the geotechnical aspects of the grading were performed in substantial conformance with the Specifications or approved changes to the Specifications.

LIST OF REFERENCES

1. 2019 California Building Code, California Code of Regulations, Title 24, Part 2, based on the 2018 International Building Code, prepared by California Building Standards Commission, dated July 2019.

2. ACI 330-08, Guide for the Design and Construction of Concrete Parking Lots, prepared by the American Concrete Institute, dated June, 2008.

3. American Concrete Institute, ACI 318-11, Building Code Requirements for Structural Concrete and Commentary, dated August, 2011.

4. American Society of Civil Engineers (ASCE), ASCE 7-16, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, 2017.

5. County of San Diego, San Diego County Multi-Jurisdiction Hazard Mitigation Plan, San Diego, California – Final Draft, dated October 2017.

6. Historical Aerial Photos. http://www.historicaerials.com

7. http://www.water.ca.gov.

8. http://websoilsurvey.nrcs.usda.gov.

9. http://earthquake.usgs.gov/designmaps/us/application.php.

10. http://geohazards.usgs.gov/designmaps/us/application.php.

11. Jennings, C. W., 1994, California Division of Mines and Geology, Fault Activity Map of California and Adjacent Areas, California Geologic Data Map Series Map No. 6.

12. Landslide Hazards In The Northern Part of the San Diego Metropolitan Area, San Diego County, California, California Division Of Mines And Geology, Open File Report 95-04 (1995), 1953 stereoscopic aerial photographs of the site and surrounding areas.

13. SEAOC (2018), Seismic Design Maps, website interface that queries the U.S. Geological Survey (USGS) web servers and retrieves the seismic design variables using ASCE 7-16, ASCE 7-10, ASCE 41-13, ASCE 41-17, IBC 2015, IBC 2012, NEHRP-2015, and NEHRP 2009 seismic design map data, http://seismicmaps.org.

14. Unpublished reports and maps on file with Geocon Incorporated.

Appendix H

Phase I and II Environmental Site Assessment Report

PHASE I & II ENVIRONMENTAL SITE ASSESSMENT REPORT

OAK KNOLL
POWAY, CALIFORNIA

GEOCON
INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

LENNAR
SAN DIEGO, CALIFORNIA

DECEMBER 13, 2021
PROJECT NO. G2746-62-01

Project No. G2746-62-01
December 13, 2021

Lennar
16465 Via Esprillo, Suite 150
San Diego, California 92127

Attention: David Shepherd

Subject: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT REPORT
OAK KNOLL
POWAY, CALIFORNIA

Dear Mr. Shepherd:

In accordance with your request and our Proposal No. LE-21259 dated May 20, 2021, and our change order dated November 30, 2021, we have performed a Phase I & II Environmental Site Assessment (ESA) of the property and improvements at 12624 through 12702 Oak Knoll Road (the Site) in Poway, California. We performed the Phase I & II ESA to provide information regarding the potential for existing hazardous substances (notably persistent pesticides) and/or petroleum product impacts at the Site as part of Lennar's due diligence prior to purchasing the Site.

This report summarizes the findings of the Phase I & II ESA including the potential presence of recognized environmental conditions as defined by the American Society for Testing and Materials *Designation E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.*

We appreciate the opportunity to have performed this Phase I & II ESA for Lennar. Please contact us if you have any questions concerning this report or if we may be of further service.

Very truly yours,

GEOCON INCORPORATED

Cole E. Mikesell
Staff Geologist

Troy K. Reist, CEG
Senior Geologist

CEM:TKR:am

(e-mail) Addressee

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PHASE I & II ENVIRONMENTAL SITE ASSESSMENT REPORT

1. INTRODUCTION

We have performed a Phase I & II Environmental Site Assessment (ESA) of the Oak Knoll property located west of the Oak Knoll and Carriage Road intersection (the Site) in Poway, California. Lennar (the Client) requested the Phase I ESA to provide information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site as part of their due diligence. The Phase II ESA was performed to assess the shallow soil of the Site for persistent pesticides and arsenic (commonly associated with pesticides) related to the former agricultural use of the Site. This report describes the methodology and procedures and present the findings of the Phase I & II ESA.

1.1 Purpose and Objectives

The purpose of the Phase I ESA was to identify evidence or indications of 'recognized environmental conditions' (RECs) as defined by the American Society for Testing and Materials (ASTM) *Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Section 1.1.1 of *ASTM Designation E 1527-13* defines an REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." De minimis conditions are those that generally do not present a threat to human health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

ASTM *Designation E 1527-13* also defines 'Historical' and 'Controlled' RECs. They define an 'Historical REC' (HREC) as "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." ASTM defines a 'Controlled REC' (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." An HREC is not an REC if a property meets current standards for unrestricted residential use. A CREC remains an REC by definition when the property does not meet the unrestricted residential use requirements unconditionally.

We also conducted the Phase I ESA in general accordance with the requirements of 40 Code of Federal Regulations (CFR) Part 312 titled *Standards and Practices for All Appropriate Inquiries*, as required under Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The purpose of conducting an all appropriate inquiries investigation into the previous ownership and uses of a property is to meet the provisions necessary for the landowner, contiguous property owner, and/or bona fide prospective purchaser to qualify for certain landowner liability protections under CERCLA.

The following principles are an integral part of ASTM *Designation E1527-13*:

- **"Uncertainty Not Eliminated -** No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost."

- **"Not Exhaustive -** All Appropriate Inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information."

- **"Level of Inquiry is Variable -** Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry."

1.2 Scope of Services

We performed the scope of services outlined in our Proposal No. LE-21259 dated May 20, 2021, with the exception that we did not review Sanborn fire insurance maps, as Environmental Data Resources, Inc. (EDR) indicated that there are none available for the Site or surrounding vicinity. The main components of the Phase I ESA and their objectives, as specified by the referenced standards, include the following:

- **Physical Setting Review:** we reviewed physical setting references for information concerning the topographic, geologic, and hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of pathways (i.e., direction and/or extent) that a contaminant could migrate along in the event of a spill or release.

- **Regulatory Agency Records Review:** we reviewed publicly available Federal, State, and local regulatory agency records for information regarding the use, storage, and disposal of hazardous substances and/or petroleum products at the Site and facilities and properties adjoining or within ¼ mile of the Site. Such records may identify RECs at or potentially affecting the Site.

- **Site History Review:** we reviewed information regarding the historical uses of the Site and adjoining and nearby facilities and properties back to the Site's and other properties' first use or 1940, whichever is earlier, that could have led to RECs on or near the Site. Historical sources reviewed included aerial photographs, topographic maps, and city directories. In addition, we conducted interviews with persons who were expected to be reasonably knowledgeable about historical and/or current conditions at and uses of the Site.

- **Site Reconnaissance:** we performed a site reconnaissance to observe site conditions and activities for evidence of RECs. The site reconnaissance was for the Site only. We viewed offsite properties and features solely from the vantage of the Site and public thoroughfares.

1.3 Report Limitations

We prepared this Phase I ESA report exclusively for the Client. The information obtained is only relevant for the dates of the records reviewed and the latest site visit. Therefore, the information contained herein is only valid as of the date of the report and may require an update after 180 days to reflect updated records and another reconnaissance to assess current site conditions.

The Client should recognize that a Phase I ESA is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the site reconnaissance, information in the specified regulatory records, and information regarding the historical usage of the Site, as presented in this report. The Client should also understand that wetlands, asbestos-containing building materials, lead-containing paint, lead in drinking water, radon, mercury related to mining activities, methane, and mold surveys were not included in the scope of services for this Phase I & II ESA. Assessment for potential naturally occurring hazards such as asbestos and arsenic was also not included.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the Phase I & II ESA is implied within this report or any subsequent reports, correspondence or consultation, either express or implied. We strived to conduct the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

1.4 Data Gaps

A data gap is defined by ASTM *Designation E 1527-13* as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps could include such things as insufficient historical information, the inability to interview persons with direct site knowledge (e.g., the owner(s), past owner(s), tenants, workers, etc.) or the lack of access to all parts of a site during the site reconnaissance. As indicated in Section 1.2, we did not review Sanborn fire insurance maps for the Site and surrounding vicinity because there are none for the Site and vicinity. In addition, we were not granted full access to the three residential

structures and sheds currently on the property. We do not consider these items significant data gaps due to other available information and observations made during our reconnaissance.

2. SITE DESCRIPTION

This section provides information regarding the location and physical characteristics of the Site including its size, topography, geologic, soil, and hydrogeologic conditions.

2.1 Location and Legal Description

The 10.87-acre Site is located at 12624, 12650 and 12702 Oak Knoll Road in Poway, California (Figure 1). The San Diego County assessor's parcel numbers (APNs) for the Site are 317-501-01, 317-500-02, 317-500-03, and 317-500-09 through -14. A copy of the parcel maps are in Appendix A.

The Site is depicted in the southeastern quarter of Section 14 of Township 14 South, Range 2 West, San Bernardino Base and Meridian on the United States Geological Survey's (USGS) *Poway, California,* 7.5-minute topographic map (USGS, 2015).

2.2 Site and Vicinity General Characteristics

The Site is developed with two single-family residences. The surrounding vicinity includes single- and multi-family residences, commercial office and retail development. Figure 2 depicts the site boundaries and features and surrounding properties. Further site description is provided in Sections 2.4 and 6.

2.2.1 Topography

The topography of the site vicinity consists of a hill with gentle to moderate slopes, as well as a relatively flat-lying area. The Site generally slopes to the south towards Poway Creek. The USGS *Poway, California,* 7.5-minute topographic map (USGS, 2015), depicts the elevation of the Site as ranging from approximately 450 to 500 feet above mean sea level.

2.2.2 Geologic and Soil Conditions

The Site is located in the Peninsular Ranges geomorphic province of Southern California (Norris and Webb, 1990). This geomorphic province extends approximately 900 miles from its northern terminus against the Transverse Ranges and Los Angeles Basin, south to the tip of Baja California. In general, the province is characterized by rugged mountains in Mesozoic igneous and metamorphic rocks to the east, with a dissected coastal plain on Cenozoic sediments to the west. The Peninsular Ranges vary in width from approximately 30 to 100 miles, and are traversed fault zones trending roughly northwest-southeast.

Information concerning the surficial geologic conditions at and in proximity to the Site from the *Geologic Map of the San Diego 30' X 60' Quadrangle, California* (USGS, 2005) indicates that the Site is underlain by Holocene and late-Pleistocene flood plain deposits, which are typically poorly consolidated, poorly sorted, and permeable.

Information concerning the soil conditions at and in proximity to the Site from the United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm) indicates that site soil is Placentia sandy loam and Olivenhain cobbly loam, which are both well drained and have low infiltration rates.

2.2.3 Hydrologic and Hydrogeologic Conditions

Groundwater quality and occurrence information available from the California Department of Water Resources and the California State Water Resources Control Board (SWRCB) indicates that the Site is located in the Poway Hydrologic Area (906.20) of the Penasquitos Hydrologic Unit (906.00). Groundwater in the Poway Hydrologic Area has existing beneficial use designations for municipal, agricultural, and potential beneficial use for industrial supply purposes (SWRCB, 2020).

In an effort to assess local groundwater conditions, we reviewed reports available on the SWRCB's GeoTracker online database (http://geotracker.waterboards.ca.gov) for nearby facilities with a groundwater monitoring well array. Nine groundwater monitoring wells were installed west of the Site in 2006 related to assessment of County of San Diego Department of Environmental Health (DEH) Leaking Underground Storage Tank (LUST) case H05705-001 (described further in Section 4.1.1). The depth to groundwater within these wells was reported to range approximately between 7 feet and 18 feet with groundwater flow towards the west-southwest.

2.3 Current and Planned Uses of the Site

The current use of the Site is residential. In addition, the central portion of the Site is currently being leased to a general contractor working on a San Diego Gas & Electric (SDG&E) high pressure gas line replacement project. The Client reported that they plan to redevelop the majority of the Site for residential use. Further description of the Site is provided in Section 6.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

The Site is improved with two residential homes. Further description of the Site is provided in Section 6.3.

2.5 Current Uses of Adjoining Properties

Current uses of adjoining properties are primarily residential to the east, south, and west, with commercial use to the north of the Site. Further information regarding adjoining properties is provided in Section 6.4.

3. USER–PROVIDED INFORMATION

This section summarizes site information provided by the Client – the "user" of this Phase I ESA. Also provided are responses to inquiries to the Client via a "user" questionnaire for information pertaining to the Site. David Shepherd with Lennar completed the questionnaire (Appendix B).

3.1 Title, Appraisal and Sale Agreement Records

Mr. Shepherd indicated that he will send a title report, appraisal, or sales agreement upon receipt from the Seller. We were not provided with any of those documents at this time.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Shepherd indicated that he has no knowledge of environmental liens on or activity and use limitations for the Site.

3.3 Specialized Knowledge

Mr. Shepherd indicated he has no specialized knowledge of the Site.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Shepherd indicated he is not aware of commonly known or reasonably ascertainable information pertaining to the Site.

3.5 Owner, Property Manager, and Occupant Information

Mr. Shepherd indicated the Site is owned by the Harmon Family Trust.

3.6 Valuation Reduction for Environmental Issues

According to Mr. Shepherd, the monetary value of the Site has not been reduced due to environmental issues.

3.7 Reason for Performing the Phase I ESA

The Phase I ESA was requested to provide information regarding the potential for existing hazardous substance and/or petroleum product impacts at the Site for pre-acquisition due diligence purposes.

4. RECORDS REVIEW

This section summarizes information we obtained from readily available agency records for the Site and properties and facilities in the surrounding vicinity.

4.1 Standard Environmental Record Sources

EDR searched federal, state, and local databases regarding the use, storage, disposal, or release of hazardous substances and/or petroleum products for the Site and area within one mile of the Site. The databases that list the Site and/or properties/facilities within one mile of the Site and the number of properties/facilities listed are summarized in the table below. A copy of *The EDR Radius Map™ Report with GeoCheck*, dated May 21, 2021, is in Appendix C.

Database Name	Search Radius (Mile)	Number of Listings
FEDERAL DATABASES		
RCRA-LQG (Resource Conservation and Recovery Act - Large Quantity Generators)	¼	1
RCRA-SQG (Small Quantity Generators)	¼	4
STATE AND LOCAL DATABASES		
CA ENVIROSTOR (Department of Toxic Substance Control Database)	1	1
SAN DIEGO CO. SAM (Diego County Site Assessment and Mitigation Program)	½	15
LUST (Leaking Underground Storage Tanks)	½	17
CA SLIC (Spills, Leaks, Investigation, and Cleanup Program)	½	7
CA UST (Underground Storage Tanks)	¼	2
CA AST (Aboveground Storage Tanks)	¼	4
CA SWEEPS UST (Statewide Environmental Evaluation and Planning System)	¼	5
CA HIST UST (Historical Underground Storage Tanks)	¼	1
RCRA-NonGen (Resource Conservation and Recovery Act – Non-Generators)	½	41
BROWNFIELDS	½	61
CERS HAZ WASTE	¼	14
CERS TANKS	¼	4
CORTESE	½	12
CA HIST CORTESE (Historic Hazardous Waste & Substances Site List)	½	10
DRYCLEANERS	¼	5
CA Notify 65	1	1
EDR HIGH RISK HISTORICAL DATABASES AND EDR RECOVERED GOVERNMENT ARCHIVES		
EDR Historical Cleaner	¼	1

4.1.1 Site

The Site is not listed on any of the databases searched by EDR.

4.1.2 Offsite Properties

The following table summarizes information provided in the EDR report for listed properties/facilities that are located less than ¼ mile from the Site and are listed on various release-related databases[1]. Properties/facilities located within a ¼ mile and not listed on a release-related database[1] are not included in the table below and are unlikely to have caused an REC at the Site. Distances reported by EDR may differ from actual distances.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Firestone Complete Auto Care / L&M Tire Company Inc. / Express Tire / Eagle Tire Company 12619 Poway Road	78 feet north Up-gradient	US Brownfields FINDS RCRA NonGen / NLR LUST San Diego Co. SAM San Diego Co. HMMD SWEEPS UST CORTESE HIST CORTESE HWTS CERS HAZ WASTE HAZNET San Diego Co. LOP CERS	These listings are in reference to DEH case #H16311-001 which was opened when a 500-gallon waste oil tank was removed from the property on June 5, 1987. Soil sampling in April of 1991 revealed TRPH levels at 11.1 ppm at 7' below grade in the former tank excavation area. Concentrations of BTXE, PCB, and organic lead in soil were all below the laboratory detection limits. Depth to groundwater was reported to be between 16-17 feet below grade. The closed regulatory status of the LUST case indicate that this facility is unlikely to have caused an REC at the Site.
Quality Care Cleaners 12636 Poway Road	401 feet north Up-gradient	DRYCLEANERS EDR Historical Cleaner HWTS	These listings indicate that this facility was operated as a drycleaner from the years 1989 to 2005. The distance from the Site and lack of evidence of any unauthorized releases suggest that this facility is unlikely to have caused an REC at the Site.

[1] "Release" refers to an unauthorized release of a petroleum product or hazardous substance to the environment - i.e. the ground surface, soil, soil vapor, groundwater, or surface water on a property. "Release-related database" refers to those which provide information regarding an unauthorized release. "Non-release-related database" refers to those that may report use, storage, or disposal of hazardous substances and/or petroleum products or other environmental conditions, but do not report releases of such.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Regent Oil / Chiefs' Regent / APRO LLC DBA United Oil 23 12462 Poway Road	931 feet northwest Up-gradient	LUST San Diego Co. HMMD San Diego Co. SAM San Diego Co. LOP UST RCRA NonGen / NLR FINDS US Brownfields CERS HAZNET CERS TANKS CERS HAZ WASTE HWTS CORTESE HIST CORTESE EMI SWEEPS UST	These listings are in reference to DEH case #H03486-001 in which two 10,000-gallon gasoline USTs, a 10,000-gallon diesel UST, and a 250-gallon used oil UST were removed in December 1998. Soil samples taken after the removal of the tanks revealed petroleum hydrocarbons near the excavation area. Groundwater monitoring and soil sampling was performed on the Site from 1999 to 2015 when the California Regional Water Quality Control Board granted case closure. The HMMD listing provides information regarding inspection violations at this facility including failure of the pressurized piping to meet one or more of the regulatory requirements, failure of the leak detection equipment to be properly programmed or properly operated, failure to notify the CUPA the prescribed number of hours prior to testing, and failure to properly label hazardous waste accumulation containers with the required information. The distance from the Site and the closed regulatory status of the LUST case suggest that this facility is unlikely to have caused an REC at the Site.
Oak Knoll Square 12759 Poway Road	999 feet northeast Up-gradient	US Brownfields FINDS San Diego Co. SAM RCRA NonGen / NLR	These listings make reference to a closed DEH Site Assessment & Mitigation case #H39706-001. No pertinent information about this case is provided. A Phase I ESA is reported to have been performed at this facility in 2006, and the current property owner is listed as Paula Mogavero. No other pertinent information is provided. The distance from the Site and lack of evidence of any unauthorized releases suggest that this facility is unlikely to have caused an REC at the Site.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Perry Ford of Poway 12740 Poway Road	1078 feet northeast Up-gradient	RCRA-SQG LUST San Diego Co. SAM AST US Brownfields San Diego Co. HMMD CERS HAZ WASTE SWEEPTS UST CERS TANKS FINDS ECHO HIST CORTESE NPDES San Diego Co. LOP CIWQS CERS HWTS CORTESE HAZNET	These listings are in reference to DEH case #H13170-001 in which two USTs were removed on January 13, 1987 and three USTs on July 13, 1993. Soil and groundwater samples taken at this facility indicated that petroleum hydrocarbons including diesel, gasoline, and waste oil had impacted the soil and groundwater. Soil borings and monitoring wells were installed to determine the extent of contamination. A corrective action plan was implemented with 1,620 cubic yards of contaminated soil and 44,500 gallons of contaminated groundwater being removed from the facility. Approximately 585 cubic yards of contaminated soil remains at this facility in selected areas. Oxygen Releasing Compound was injected in selected locations within the contaminated area. These efforts greatly reduced the amount of contamination at this facility, and the DEH granted regulatory closure in December of 2003. The distance from the Site and closure of the LUST case suggest that this facility is unlikely to have caused and REC at the Site.
Tune Craft / Poway City Redevelop 12430 Poway Road	1083 feet west Up-gradient	HWTS ENVIROSTOR LUST San Diego Co. SAM CPS-SLIC San Diego Co. HMMD SWEEPS UST CORTESE San Diego Co. LOP CERS US Brownfields FINDS	These listings are in reference to DEH case #H13442-001 which was opened due to elevated levels of gasoline detected in boring samples performed for a Phase II ESA. This property formerly had a 550-gallon waste oil UST; however, it was removed in April of 2000 with no evidence of significant contamination. Further investigation revealed that the groundwater contamination was linked to a nearby plume from a APRO station to the east of the Site at 12340 Poway Road. Trace amounts of TPH were detected in the soil estimated to be approximately five cubic yards. The DEH granted regulatory closure to the case in May of 2006. The distance from the Site and the closure of the LUST case suggest that this facility is unlikely to have caused and REC at the Site.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Conroy's Flowers 12775 Poway Road	1132 feet northeast Up-gradient	San Diego Co. SAM San Diego Co. HMMD San Diego Co. LOP CPS-SLIC CERS US Brownfields FINDS	These listings are in reference to DEH case #H32109-001. Information provided suggest that the contamination at this facility likely originated from four other off-site USTs listed under case numbers H20710-001 and H13170-001. No on-site uses of contaminants of concern are noted. The closed regulatory status of the LUST case and lack of evidence of contamination originating from this facility suggest that it is unlikely to have caused an REC at the Site.
Chevron 12410 Poway Road	1314 feet west Up-gradient	San Diego Co. SAM San Diego Co. HMMD San Diego Co. LOP UST SWEEPS UST CORTESE RCRA NonGen / NLR RCRA-SQG US Brownfields FINDS ECHO HIST UST LUST CERS HAZ WASTE CERS TANKS EMI HIST CORTESE CERS	These listings are in reference to DEH case #H05705-001 which was opened in February of 1994 after dissolved phase gasoline constituents were discovered in a monitoring well on a sidewalk adjacent to the Chevron station. Soil samples indicated that contaminated soil is present near the former western dispenser area, near current USTs, and at the former UST area and dispenser area in the southwest corner of the Site. The contamination is present at depths of 14 to 22 feet bgs. An estimated 318 cubic yards of contaminated soil is estimated to remain onsite. Nine groundwater monitoring wells were installed as part of the site investigation. A Corrective Action Plan for the facility was prepared, with the recommended remediation being natural attenuation. Trend analyses conducted by the consultant indicate that the concentrations of benzene should decay by natural attenuation to reach the MCL of I microgram per liter (ug/l) in 37 years, ethylbenzene should reach the MCL of 300 ug/l in 60 years, MTBE should reach the MCL of 13 ug/l in 22 years, and that concentrations of TBA should be below the State Notification limit in 60 years. The DEH concurred with the client and granted closure to this case in July of 2013. The distance from the Site and closure of the LUST case suggest that this facility is unlikely to have caused an REC at the Site.

[1] "Release" refers to an unauthorized release of a petroleum product or hazardous substance to the environment - i.e. the ground surface, soil, soil vapor, groundwater, or surface water on a property. "Release-related database" refers to those which provide information regarding an unauthorized release. "Non-release-related database" refers to those that may report use, storage, or disposal of hazardous substances and/or petroleum products or other environmental conditions, but do not report releases of such.

Other properties and facilities within 1/4-mile of Site are listed on various non-release-related databases[1] and therefore are not anticipated to have caused an REC at the Site.

4.1.3 Orphan Summary

EDR's Orphan Summary identifies properties with incomplete address information and therefore cannot be accurately plotted. Seven properties are listed but because none of them are listed on any release-related databases, none are suspected of having caused an REC at the Site.

4.2 Additional Environmental Record Sources

This section summarizes information from additional, readily available environmental record sources regarding the Site and properties/facilities within one mile from the Site.

4.2.1 GeoTracker and EnviroStor Databases

We reviewed GeoTracker and the California Department of Toxic Substance Control's (DTSC) EnviroStor online database (http://www.envirostor.dtsc.ca.gov/public/) for information regarding the Site and nearby properties/facilities that are within ¼ mile of the Site. GeoTracker lists three LUST properties/facilities within ¼ mile of the Site all three of which have been granted regulatory closure. Information regarding these three LUST facilities is summarized in Section 4.1.2. EnviroStor lists one facility within ¼ mile of the Site, which is summarized in Section 4.1.2.

4.2.2 State of California Department of Conservation, Geologic Energy Management Division

We reviewed the California Geologic Energy Management Division (CalGem) website (https://maps.conservation.ca.gov/doggr/wellfinder) to evaluate the potential for existing/former oil, gas, or geothermal wells on the Site or properties proximal to the Site. CalGem information indicates that no former or current wells are or were located within one mile of the Site.

4.2.3 County of San Diego Department of Agriculture, Weights and Measures

We submitted a request to the County of San Diego, Department of Agriculture, Weights and Measures (DAWM), Pesticide Use Enforcement Division regarding possible use of restricted pesticides/herbicides at the Site. That office maintains such records for approximately 4 years. The DAWM indicated that no record of restricted pesticide/herbicide use was reported for the site APNs for the period of 2017 through 2021.

4.2.4 San Diego Air Pollution Control District

We submitted a request to the San Diego Air Pollution Control District (APCD) for records pertaining to the Site. The APCD indicated that no records are on file for the site APNs.

4.2.5 County of San Diego Department of Environmental Health

We submitted a request to the DEH for records pertaining to the Site. The DEH indicated that no records are on file for the site APNs.

4.2.6 San Diego Gas and Electric Company

No transformers were observed onsite or were likely on the Site previously. Therefore, San Diego Gas & Electric Company was not contacted as part of this assessment.

5. HISTORICAL USE

This section summarizes information obtained from a variety of sources regarding the historical uses of the Site in an effort to identify those uses that could have led to RECs. The sources of information included historical aerial photographs, historical topographic maps, and an abstract of city directories provided by EDR.

5.1 Aerial Photographs

We reviewed historical aerial photographs for the years 1939, 1949, 1953, 1964, 1966, 1970, 1979, 1985, 1989, 1996, 2002, 2005, 2009, 2012 and 2016 (Appendix D) for indications of past land uses that had the potential to have impacted the Site through the use, storage or disposal of hazardous substances and/or petroleum products. The following table summarizes our observations of the Site and adjacent properties.

Year	Observations	
	Site	**Adjacent Properties**
1939 (1” = 500’)	The Site appears to have been used for agricultural purposes. A stream appears to run to the southwest in the northwestern portion of the Site. Poway Creek is present along the southern boundary of the Site.	The adjacent properties to the north and west appear to have been undeveloped land. A stream is located is present that flows from the adjacent property to the north, across the Site. The adjacent property to the east appears to have been used for agricultural purposes, while the adjacent property to the south appears to have been used as residential.

Year	Observations	
	Site	**Adjacent Properties**
1949 (1” = 500’)	Conditions appear to have been similar to those observed on the 1939 aerial photograph with the exception that the agricultural use of the Site appears to have been ceased.	Conditions appear to have been similar to those observed on the 1939 aerial photograph with the exception that the property adjacent to the east appears to have been developed with a large covered structure.
1953 (1” = 500’)	Conditions appear to have been similar to those observed on the 1949 aerial photograph.	Conditions appear to have been similar to those observed on the 1949 aerial photograph.
1964 (1” = 500’)	Conditions appear to have been similar to those observed on the 1953 aerial photograph with the exception that the stream which was depicted flowing to the southwest is no longer present. Two residential structures are depicted on the southern portion of the Site, north of Oak Knoll Road. A dirt road is depicted bisecting the northern portion of the Site.	Conditions appear to have been similar to those observed on the 1953 aerial photograph with the exception that the property adjacent to the west of the Site appears to have begun grading activities. The adjacent properties to the south appear to have been developed with more residential houses. A single structure is depicted on the adjacent property to the north of the Site.
1966 (1” = 500’)	Conditions appear to have been similar to those observed on the 1964 aerial photograph.	Conditions appear to have been similar to those observed on the 1964 aerial photograph.
1970 (1” = 500’)	Conditions appear to have been similar to those observed on the 1966 aerial photograph.	Conditions appear to have been similar to those observed on the 1966 aerial photograph with the exception that the adjacent properties to the east appear to have been developed with residential homes.
1979 (1” = 500’)	Conditions appear to have been similar to those observed on the 1970 aerial photograph.	Conditions appear to have been similar to those observed on the 1970 aerial photograph with the exception that the adjacent property to the north appears to have been developed with multiple commercial facilities.
1985 (1” = 500’)	Conditions appear to have been similar to those observed on the 1979 aerial photograph.	Conditions appear to have been similar to those observed on the 1979 aerial photograph with the exception that the property adjacent to the west appears to have been developed with an apartment complex.
1989 (1” = 500’)	Conditions appear to have been similar to those observed on the 1985 aerial photograph.	Conditions appear to have been similar to those observed on the 1985 aerial photograph.
1996 (1” = 500’)	Conditions appear to have been similar to those observed on the 1989 aerial photograph.	Conditions appear to have been similar to those observed on the 1989 aerial photograph.
2002 (1” = 500’)	Conditions appear to have been similar to those observed on the 1996 aerial photograph.	Conditions appear to have been similar to those observed on the 1996 aerial photograph.

Year	Observations	
	Site	Adjacent Properties
2005 (1" = 500')	Conditions appear to have been similar to those observed on the 2002 aerial photograph.	Conditions appear to have been similar to those observed on the 2002 aerial photograph with the exception that 13 additional residential homes appear to have been developed on the adjacent property to the south of the Site.
2009 (1" = 500')	Conditions appear to have been similar to those observed on the 2005 aerial photograph.	Conditions appear to have been similar to those observed on the 2005 aerial photograph.
2012 (1" = 500')	Conditions appear to have been similar to those observed on the 2009 aerial photograph.	Conditions appear to have been similar to those observed on the 2009 aerial photograph.
2016 (1" = 500')	Conditions appear to have been similar to those observed on the 2012 aerial photograph.	Conditions appear to have been similar to those observed on the 2012 aerial photograph.

The past agricultural use of the Site prior to 1949 suggests that persistent pesticides may have been used on the Site. If so, persistent pesticides and arsenic (commonly associated with pesticides) may be present in soil on the Site. Therefore, we performed a Phase II ESA to assess for pesticides and arsenic at the Site, and the results of our Phase II ESA are described in Section 8.

5.2 Topographic Maps

We reviewed historical topographic maps for the years 1903, 1930, 1942, 1952, 1967, 1975, 1996 and 2012 (Appendix E). The following table summarizes observations of the Site and adjacent properties on the historical topographic maps.

Year	Observations	
	Site	Adjacent Properties
1903 (1:62,500)	No structures or land use are depicted on the Site.	No structures or land use are depicted on the adjacent properties.
1930 (1:62,500)	Conditions are similar to those depicted on the 1903 topographic map.	Conditions are similar to those depicted on the 1903 topographic map.
1942 (1:31,680)	Conditions are similar to those depicted on the 1930 topographic map with the exception that a single structure is depicted on the southeastern portion of the Site. A stream is depicted flowing to the southwest across the northwestern portion of the Site.	Conditions are similar to those depicted on the 1930 topographic map with the exception that a structure is depicted on the adjacent property to the east, as well as three structures on the property adjacent to the south of the Site.

Year	Observations	
	Site	Adjacent Properties
1952 (1:24,000)	Conditions are similar to those depicted on the 1942 topographic map.	Conditions are similar to those depicted on the 1942 topographic map with the exception that the adjacent property to the north is depicted with a single structure.
1967 (1:24,000)	Conditions are similar to those depicted on the 1952 topographic map with the exception that three structures are now depicted in the southern portion of the Site.	Conditions are similar to those depicted on the 1952 topographic map with the exception that the adjacent property to the east is depicted with three structures.
1975 (1:24,000)	Conditions are similar to those depicted on the 1967 topographic map.	Conditions are similar to those depicted on the 1967 topographic map with the exception that the adjacent properties to the north and east are now shaded pink indicating an urban environment.
1996 (1:24,000)	Conditions are similar to those depicted on the 1975 topographic map with the exception that the Site is shaded pink indicating an urban environment. Structures are no longer depicted.	Conditions are similar to those depicted on the 1975 topographic map with the exception that all the adjacent properties are shaded pink indicating an urban environment. Structures are no longer depicted.
2012 (1:24,000)	No shading or structures are depicted.	No shading or structures are depicted.

The historical topographic maps depict no conditions, structures, or uses on the Site or adjacent properties that would suggest the presence of RECs.

5.3 City Directories

EDR prepared an abstract of city directories including city, cross-reference, and telephone directories summarized in the *EDR-City Directory Image Report* dated May 26, 2021. The directories were reviewed at approximately 5-year intervals, if available, from 1971 to 2017. A copy of the EDR city directory abstract including information regarding offsite facilities is in Appendix F. The Site is listed on the City Directory from the years 1971 to 2017 under the name of Edward K. Harmon from 1971 to 2014. The Site is listed under the name Don L. Urena for the year of 2017. The names of residents on adjacent properties are also listed in the City Directory, none of which are suspected of having caused an REC at the Site.

6. SITE RECONNAISSANCE

This section summarizes observations of the Site and surrounding properties made during the site reconnaissance.

6.1 Methodology and Limiting Conditions

Cole E. Mikesell, Staff Geologist with Geocon, performed the site reconnaissance accompanied by Troy K. Reist, Senior Geologist with Geocon, on November 30, 2021, by walking the Site. Mr. Mikesell performed the offsite survey by observing adjacent properties from the Site and adjacent public streets. Weather on the day of the site reconnaissance was clear with temperatures in the mid-70s. Photographs of various site features and offsite properties are appended. Figure 2 is a Site Plan illustrating selected site features.

6.2 General Site Setting

The Site is located in an area of predominantly residential use, with nearby commercial use. The Site is adjacent to undeveloped land to the north.

6.3 Onsite Survey

The majority of the Site is relatively flat to gently sloping to the south with a hill present in the northeastern portion of the property. The southern portion of the Site is developed with three single-family residences (Photographs 1 through 3) and several storage sheds are located throughout the backyards of the residential homes (Photographs 4 and 5). A gas meter was observed in the front yard of the southwestern residence (Photograph 6). The central portion of the Site is currently being leased by a general contractor working on a SDG&E high pressure gas line replacement project, which is being used to store equipment, construction materials and supplies (Photographs 7 through 11). The northern portion of the Site is vacant of any structures (Photographs 12 and 13). The southwestern portion of the Site, south of Oak Knoll Road, slopes towards Poway Creek (Photograph 14).

We observed no odors, pools of liquid, significantly stained soil or distressed vegetation on the Site. We observed no evidence of RECs on the Site.

6.4 Offsite Survey

Properties within the site vicinity include:

- **North:** Undeveloped land and nearby commercial facilities (Photograph 15).
- **South:** Single-family residential (Photograph 16).
- **East:** Single-family residential (Photograph 17).
- **West:** Multi-family residential (Photograph 18).

We observed no evidence of RECs on the surrounding properties.

7. INTERVIEWS

The current property owner representative, Sherry Urena, reported via a site owner/occupant questionnaire (Appendix B) that a portion of the Site is currently being leased to SDG&E for equipment staging until approximately March 2022. Mrs. Urena reported that two of the three single-family residences are also occupied by tenants on a month-to-month rental agreement. Mrs. Urena noted that pits, ponds, and/or lagoons exist or have previously existed onsite. Inspection of historical photographs revealed that a creek was present in the northwestern portion of the Site, however, no standing water was observed throughout the Site during our reconnaissance. Mrs. Urena reported that a well was installed behind the residence at 12624 Oak Knoll Road in the late 1970's but was never used. An archeological study has been conducted at the Site, but nothing of historical significance was discovered. The owner/occupant questionnaire identifies no environmental concerns.

8. PHASE II ESA

We performed a Phase II ESA to assess the proposed development areas of the Site for the potential presence of organochlorine pesticides (OCPs) and arsenic in the shallow soil due to the former agricultural use.

8.1 Scope of Investigation

The scope of the Phase II ESA consisted of the following tasks:

- Retaining Enthalpy Analytical, LLC, a state-certified laboratory, to perform laboratory analysis of soil samples and planned soil sample locations;
- Collecting soil samples within the proposed development areas of the Site;
- Performing laboratory analysis of soil samples; and
- Presenting our assessment and laboratory test results.

8.2 Soil Sample Collection and Analysis

On November 30, 2021, we collected 9 discrete soil samples (S-1 through S-9) at depths between 0 to 6 inches at the approximate locations shown on Figure 3. We collected the soil samples using a decontaminated trowel then transferred the soil into laboratory-provided 4-ounce jars. The jars were capped with Teflon-lined lids, labeled, and placed in a chilled cooler for transport to the laboratory under chain-of-custody protocol. The samples were analyzed for OCPs by USEPA Test Method 8081A and arsenic by USEPA Method 6010B. No obvious field indicators of apparent contamination (i.e. staining, odors, buried debris, etc.) were noted during the field sampling activities.

8.3 Analytical Test Results

A copy of the laboratory analysis report of the soil samples is in Appendix G and the results have been summarized below.

OCPs

No OCPs were detected at concentrations exceeding the laboratory reporting limits in the composite soil samples collected, except for the following. The OCPs, Dichlorodiphenyldichloroethylene (DDE), Dichlorodiphenyldichloroethane (DDD) and Dichlorodiphenyltrichloroethane (DDT) were detected in the composite sample made from Samples S4 through S6 at concentrations of 7.4, 8.2 and 39 micrograms per kilogram (µg/kg) respectively, none of which exceed the San Francisco Bay Regional

Water Quality Control Board Environmental Screening Levels (ESLs) for DDE, DDD, or DDT in residential soil of 1,800, 2,700, and 1,900 µg/kg respectively.

Arsenic

Arsenic was detected in the three discrete soil samples analyzed at concentrations ranging between 1.8 and 3.3 milligrams per kilogram (mg/kg). Naturally occurring or "background" concentrations in California soils typically range from 0.6 to 12 mg/kg and much higher in some areas depending on the mineralogy of the soil's parent material. Therefore, regulatory agencies allow comparison of arsenic concentrations in soil to naturally occurring background arsenic concentrations instead of calculated screening levels. The arsenic concentrations detected in the discrete samples do not exceed the naturally occurring arsenic concentrations of California soils of 12 mg/kg.

9. SUMMARY OF FINDINGS

The following table summarizes our findings and opinions regarding the Site, including known or suspect RECs, CRECs, HRECs, and de minimis environmental conditions.

Assessment Category	Observed (Y/N)	(REC/ CREC/ HREC/ DM or None)	Recommended Actions	Report Section(s)
Hazardous Substances/Petroleum Products	N	N	NFA	
Hazardous Wastes	N	N	NFA	
Non-Hazardous Wastes	N	N	NFA	
Aboveground/Underground Storage Tanks	N	N	NFA	
Unidentified Substance Containers	N	N	NFA	
Equipment Potentially Containing PCBs	N	N	NFA	
Wastewater Systems	N	N	NFA	
Evidence of Releases	N	N	NFA	
Pools of Liquid, Pits, Ponds, Lagoons	**Y**	**N**	**NFA**	**5.1, 5.2, 7**
Wells	**Y**	**N**	**AA**	**7**
Other Site Issues	N	N	NFA	
Nearby Properties	N	N	NFA	
Historical Land Use – Site	**Y**	**N**	**NFA**	**5.1, 8**
Historical Land Use – Nearby Properties	N	N	NFA	

Recommended Action:
AA = Additional action recommended.
NFA = No further action required at this time.
DM = De minimis condition where additional activities do not appear warranted at this time.

We observed no evidence of RECs or de minimis environmental conditions at the Site.

As described in Section 5.1, the Site has been utilized for agricultural use, which suggests that pesticides may have been used on the property. However, our Phase II ESA found no evidence of pesticides exceeding the established screening levels in the shallow soil and arsenic was detected within normal "background" concentrations. Therefore, there is no evidence or indication that further investigation is warranted at this time associated with the previous agricultural use of the Site.

As described in Section 7, a well was installed behind the residence at 12624 Oak Knoll Road in the late 1970's but was never used. Although not considered an environmental concern, we recommend properly abandoning this well prior to redevelopment of the Site.

10. CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I & II ESA, in general conformance with the scope and limitations of ASTM E 1527-13, of the 10.87-acre property located at 12624, 12650, and 12702 Oak Knoll Road in Poway, California. The San Diego County assessor's parcel numbers (APNs) for the Site are 317-501-01, 317-500-02, 317-500-03, and 317-500-09 through -14.

This Phase I & II ESA identified no evidence of RECs in connection with the Site. Therefore, additional environmental assessment does not appear to be warranted at this time.

Although not anticipated, if soil staining or petroleum odors are observed during the grading operations, we recommend contacting Geocon Incoporated to observe and possibly sample areas of potential impact to determine if further action is warranted. Additionally, any undocumented subsurface structures or areas of apparent contamination encountered during site redevelopment activities including septic tanks, USTs, wells, etc. should be properly abandoned/removed in accordance with San Diego County regulatory requirements.

11. REFERENCES

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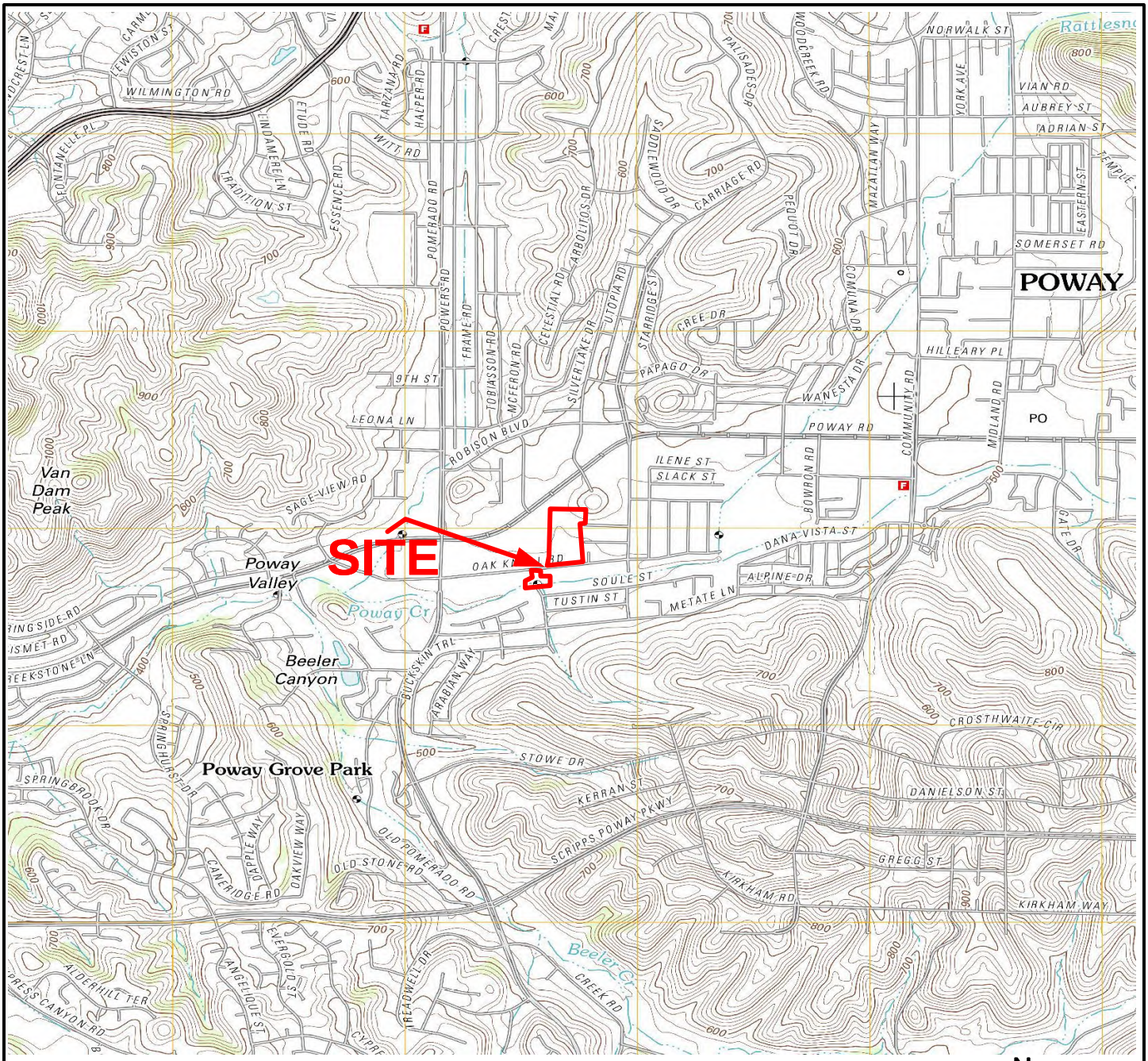
12. QUALIFICATIONS

This Phase I & II ESA report was prepared by Cole E. Mikesell with oversight by Troy K. Reist, CEG. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience, to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. Mikesell has a BS degree in Geology with an emphasis in Environmental Geosciences. Mr. Mikesell is a certified Geologist-In-Training in the State of California. Mr. Mikesell has 5 years of experience in the geotechnical and environmental consulting industry. He has performed exploratory drilling, infiltration testing, foundation and earthworks observation, and prepared Phase I and Phase II ESAs throughout southern California.

Mr. Reist is a Professional Geologist and Certified Engineering Geologist, with a BS degree in Geology and has over 23 years of experience in the geotechnical and environmental consulting industry in California. Mr. Reist investigates, remediates and manages geotechnical and environmental issues on residential, commercial, industrial, and agricultural properties throughout southern California.



Base Map:
USGS Topographic Map, 7.5-minute Series
Poway, CA
Scale 1:24,000

N

NO SCALE

VICINITY MAP

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CEM		

OAK KNOLL
POWAY, CALIFORNIA

DECEMBER 2021	PROJECT NO. G2746-62-01	FIG. 1

OAK KNOLL
POWAY, CALIFORNIA

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GEOCON LEGEND

18 - APPROXIMATE LOCATION AND DIRECTION OF PHOTOGRAPH

N

NOT TO SCALE

SITE PLAN

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FIGURE 2
DATE DECEMBER 2021

OAK KNOLL
POWAY, CALIFORNIA

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GEOCON LEGEND

S9 - APPROXIMATE LOCATION OF SOIL SAMPLES

N

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SOIL SAMPLING PLAN

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FIGURE 3
DATE DECEMBER 2021

Photograph #1
Single-family residence in the southern portion of the Site.

Photograph #2
Single-family residence on the southern portion of the Site.

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SITE PHOTOGRAPHS

OAK KNOLL
SAN DIEGO, CALIFORNIA

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Photograph #3
Backyard with sheds and chicken coops located in the southeastern portion of the Site.

Photograph #4
Shed located in the southern portion of the Site.

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SITE PHOTOGRAPHS

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PROJECT NO. G2746-62-01

Photograph #5
Interior of one of the sheds in the southwestern portion of the Site.

Photograph #6
Gas meter located in the southwestern portion of the Site.

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CEM	DECEMBER 2021

SITE PHOTOGRAPHS

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PROJECT NO. G2746-62-01

Photograph #7
Fill screening area located in the central portion of the Site.

Photograph #8
Shoring present along the western boundary of the Site.

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SITE PHOTOGRAPHS

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PROJECT NO. G2746-62-01

Photograph #9
Gas piping located along the western boundary of the Site.

Photograph #10
Various construction equipment located in the central portion of the Site.

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SITE PHOTOGRAPHS

OAK KNOLL
SAN DIEGO, CALIFORNIA

PROJECT NO. G2746-62-01

Photograph #11
Sand, asphalt, and construction debris storage area in the central portion of the Site.

Photograph #12
View of the northern portion of the Site.

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SITE PHOTOGRAPHS

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Photograph #13
View to the south from the northern portion of the Site.

Photograph #14
View of the southwestern portion of the Site, south of Oak Knoll Road.

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GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

OAK KNOLL
SAN DIEGO, CALIFORNIA

CEM | DECEMBER 2021 | PROJECT NO. G2746-62-01

Photograph #15
View of undeveloped land adjacent to the north of the Site.

Photograph #16
View of single-family residences adjacent to the south of the Site.

GEOCON
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GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858.558.6900 - FAX 858.558.6159

CEM | DECEMBER 2021

SITE PHOTOGRAPHS

OAK KNOLL
SAN DIEGO, CALIFORNIA

PROJECT NO. G2746-62-01

Photograph #17
View of single-family residences adjacent to the east of the Site.

Photograph #18
View of the multi-family residences adjacent to the west of the Site.

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CEM | DECEMBER 2021

SITE PHOTOGRAPHS

OAK KNOLL
SAN DIEGO, CALIFORNIA

PROJECT NO. G2746-62-01

APPENDIX A

317-50
SHT 1 OF 2
1"=100'

CHANGES				
BLK	OLD	NEW	YR	CUY
050	15	84/85	74	1014 CC
	16, 17	86, 87	74	4423
	1	B/L 1 AC. CHG	85	5620
	1	PORC 540-71	86	1551
500	87	89-93	96	78

N. 88° 46' 10" W. 1322.11

ROS 7009

269.00 | 269.00 | 268 | 253.50

220.00

2 — 1.36 AC. — PAR. 1

3 — 1.36 AC. — PAR. 2

0.58AC. PAR. 3

PAR. 4

S. 1° 13' 50" W.

(220.00) 219.86 N. 1° 13' 50" E.

N 1° 17' 20" E

(115) 114.92

219.86 N 1° 13' 30" E

(220.00) 219.87 S. 1° 13' 50" W.

35 — 36 — 46 — 47 — 48 — 38 — 37

268.38 | 269.00 | S. 88° 46' 10" E 115 | 153 | 255.98

123.50 | 192.64 | 102.64

200.12 | 240.89 | 225.19 | 202.52

10 — 1.33 AC. — PAR. 5

9 — 1.45 AC. — 500 — PAR. 6

PAR. 7 — PAR. 8 — PAR. 9

73 — 72 — 63 — 52 — 51 — 50 — 81 — 80 — 74 — 62 — 82 — 83 — 49 — 69 — 70 — 68 — 75

S. 1° 13' 50" W. 244.10

307.48 | 279.78 | 75.07 | 133.00 | 132.98 | 60 | 133.07 | 102.64

S. 1° 03' 50" W.

75.00 | S Li. OF N 1/2 | 67.50 | 60 | 135.67

N. 1° 13' 50" W. | 132.98 | 67.50 | 133.07 | S 1° 13' 50" W | 266.33

S. 1° 13' 50" W. 244.10

36.53 S. 81° 57' 50" W | S. 83° 18' 50" W. | 120.00 | 21.71

223.75 | S. 88° 43' E. 202.53 R.O.S. | 67.50 | 60 | 60 | N. 89° 43' W. 84

201.14 | 117.67 | S. 83° 18' 50" W. 120.00 | 86.91 | 123.75 | 75.00 | 60.60 | 60 | 60 | 398.20

85 — 84 — 29 — 56 — 53 — 57 — 58 — 34

11 — 0.99 AC. — 12 — 0.99 AC. — 13 — 0.80 AC. — 14 — 1.00 AC.

61 | 140 | S. 88° 43' 35" E. REC. | 130.00 | N.W. COR. PAR 11 (ROS)

(360.00 REC.) 360.30 | S. 0° 41' 50" W. 360.00 | S. 0° 41' 50" W. 360.00 | N. 2° 33' 10" W. 360.00 | 360.00

N. 1° 14' 15" E. | 100 | 86 | 310.00 | S. 1° 15' 25" W. | 130 | 20 | 130 | S. 0° 34' 50" W. | 209.33

SEC 14

100.38 N 88° 48' 24" W | 114 | M13270 | S. 88° 43' E 101.20

3 — 90 — 91 — 4 — 41 — 55 — 41 — PAR. 11 — 42 — 76

96.92 | 113.30 | 63.14 | 63 | 53 | 60 | 102 | 135 | 75 | 15 | 25 | 40

2 — 89 — 92 — 5 — 54 — 77

93.47 | 113.12 | 62.92 | 52 | 153 | 144.6 | 122 | 72.20 | R 150

A ST. (PRIVATE ST)

6 — 88 — 93

71.78 | 59.33 | 54.14 | 90.25 | 113 | 102 | 30

N 2° 35' 17" W | N 1° 11' 28" E | N 1° 13' 20" E | S 1° 13' 50" W. EXC | N 83° 18' 28" E | N 83° 18' 50" E

OAK KNOLL ROAD

CARRIAGE (OAK KNOLL) ROAD

30

670.20 REC. N. 83° 18' 50" E.

PT N.78° 58' 08" E. 1588.05 FT. FR. ES. 378+70.90 MISSON RD. I-A.

54 — 49 — 50 — 38 — 50 SHT 2

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

O.T.D. 10-19-73

SAN DIEGO COUNTY ASSESSOR'S MAP BK 317 PG 50 SHT 1 OF 2

MAP 13270 - CITY OF POWAY TCT MAP NO 94-01
SEC 14 - T14S-R2W - POR SW 1/4 OF SE 1/4
ROS 4704, 7009

APPENDIX B

CLIENT–PROVIDED INFORMATION FOR THE SITE

Site: Oak Knoll, Poway, CA; Project No. G2746-62-01

***Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".**

1. If possible, please provide us with the title, appraisal, or sale agreement records to review and discuss in the Phase I ESA. Will send upon receipt from Seller.

2. Are you aware of any environmental liens or activity and use limitations associated with the Site?
   No.

3. Do you have any specialized knowledge of the Site?
   No.

4. Please provide any commonly known or reasonably ascertainable information about the Site.
   Unknownl

5. Who currently owns, manages, and operates the Site?
   Harmon Family Trust

6. Has the monetary value of the Site been reduced due to environmental issues associated with the Site or adjacent properties?
   No

7. Why are you requesting a Phase I ESA for the Site?
   Part of due diligence for potential acquisition of the property.

David W. Shepherd
NAME (IN PRINT)

05/21/202
DATE

SIGNATURE

Lennar Homes of California, Director of Entitlements_
COMPANY NAME AND TITLE

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Mr. Cole Mikesell
Geocon Incorporated
Cmikesell@geoconinc.com

(619) 788-3750 PHONE
(858) 558-6159 FAX

Answers to disclosure questions which required additional space

1. A portion of the property's acreage is currently being leased by SDG&E for equipment staging. It will be occupied until approximately March 2022. Two of the three houses on the property are currently occupied by tenants on a month-to-month rental agreement. The main house at 12624 is unoccupied with the exception of a small office which is maintained by trustee Sherry Urena and husband Don Urena.

2. The family home at 12624 Oak Knoll Road was acquired in 1966. The adjoining acreage and rental houses were acquired at a later time, but I'm unsure of the dates of acquisition.

3. N/A. The property was inherited by way of a trust, it is not my primary residence.

4. I do not know the exact year the houses on the property were built. The houses at 12624 Oak Knoll and 12650 Oak Knoll were likely built in the early 1960's. The rock house at 12702 Oak Knoll was likely built in the early 1930's. An archeological study was conducted on the rock house several years ago which determined it is of little historical significance.

5. I do not have that information. The property was unfenced open fields when my parents moved there in 1966.

6. Water and sewer are provided by the city of Poway. Gas and electric are supplied by SDG&E. Trash service is through EDCO.

7. 12624 has gas central heating and electric central AC.
   12650, no central heat or AC
   12702, no central heat or AC

24. No, a well was installed behind the main house at 12624 Oak Knoll Road in The late 1970's, but was never used.

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR SITE OWNER, OCCUPANT, OR REPRESENTATIVE

Site: Oak Knoll, Poway, CA; Project No. G2746-62-01

*Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".

1) Describe the current uses of the Site. See attached page.

2) How long has the Site been used for these purposes? See attached page.

3) How long have you occupied the Site? See attached page

4) List the existing structures on the property and their age. See attached page.

5) Describe the past uses, owners, and operators of the Site. (Be as detailed as possible and note approximate time periods.) See attached page.

6) Utilities including electricity, natural gas, water, sewer, and trash removal are provided to the Site by which utility/companies. See attached page.

Water -
Sewer -
Electricity -
Natural Gas -
Trash –

7) What type of heating, ventilating, and air conditioning (HVAC) system is located at the Site and how is the HVAC system powered? See attached page.

8) Have the Site or adjoining properties been used for industrial activities, such the following? (Please note that an adjoining property is a property that is contiguous with, or directly across the street from the Site.)

Gasoline Station	[ ] Yes [ ] (No)
Printing Facility	[ ] Yes [ ] (No)
Metal Plating Manufacturing	[ ] Yes [ ] (No)
Landfill	[ ] Yes [ ] (No)
Motor Repair Facility	[ ] Yes [ ] (No)
Dry Cleaners	[ ] Yes [ ] (No)
Junkyard	[ ] Yes [ ] (No)
Waste Treatment	[ ] Yes [ ] (No)
Storage, Disposal, or Recycling Facility	[ ] Yes [ ] (No)

Describe other industrial activities, if any. None

9) Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped aboveground, buried, or burned on the Site?

[ ] Yes [ ] No

10) Have any of the following items been stored on the Site in containers greater than 5 gallons?

Paint [ ] Yes [ ] No
Chemicals [ ] Yes [ ] No
Pesticides [ ] Yes [ ] No

11) Are hazardous wastes generated at the Site? If yes, describe the means of disposal and frequency of disposal.

[ ] Yes [ ] No

12) Have petroleum products been stored on the Site or transferred across the Site in pipelines, either above or belowground?

[ ] Yes [ ] No

13) Has fill dirt been brought onto the Site from an offsite source?

[ ] Yes [ ] No

14) Is there evidence that the fill dirt in Question 13 may be contaminated?

[ ] Yes [ ] No

15) Are there currently any pits, ponds, or lagoons on the Site?

[ ] Yes [ ] No

16) Have any pits, ponds, or lagoons previously existed on the Site?

[ ] Yes [ ] No

17) Are there currently areas on the Site with stained soil?

[ ] Yes [ ] No

18) Have stained soils previously existed on the Site?

[ ] Yes [ ] (No)

19) Do chemical-containing underground or aboveground storage tanks exist, or have they existed previously on the Site?

[ ] Yes [ ] (No)

20) Do fill pipes, vent pipes, or access ways indicating the presence of current or former underground storage tanks exist on the Site?

[ ] Yes [ ] (No)

21) Have fill pipes or vent pipes which may indicate the presence of a current or former underground storage tank been removed from the Site?

[ ] Yes [ ] (No)

22) Are floor drains stained with anything other than water in any area on the Site?

[ ] Yes [ ] (No)

23) Do floor drains on the Site emit foul odors?

[ ] Yes [ ] (No)

24) Is the Site served by a private well or a non-public water source?

[ ] Yes [ ] (No) see attached page

25) Are contaminants known to exist in any private well or non-public water system serving the Site?

[ ] Yes [ ] (No)

26) Does the Site discharge wastewater, other than domestic wastewater or storm water, into the sewer?

[ ] Yes [ ] (No)

27) Other than permission for domestic hookup, have any city, county, or local permits for wastewater discharge been issued to the Site? No

[ ] Yes [ ] No

28) Does a septic tank exist, or has one existed previously on the Site?

[ ] Yes [ ] No Not sure

29) Do cesspools or cisterns currently exist on the Site?

[ ] Yes [ ] (No)

30) Have cesspools or cisterns previously existed on the Site?

[ ] Yes [ ] (No)

31) Other than storm water, does the Site discharge waste water onto the neighboring Site?

[ ] Yes [ ] (No)

32) Is there a transformer or capacitor that may contain PCBs on the Site?

[ ] Yes [ ] (No)

33) Is there hydraulic equipment such as automobile lifts or elevators on the Site?

[ ] Yes [ ] (No)

34) Are PCBs contained in hydraulic oil associated with hydraulic equipment located on the Site?

[ ] Yes [ ] (No)

35) Has an asbestos and/or lead-based paint survey been conducted at the Site? If so, what were the findings?

[ ] Yes [ ] (No)

36) Other than small quantities of legal pesticides used for landscape maintenance (e.g., Roundup), have pesticides, herbicides, or insecticides been applied on the Site?
[ ] Yes [ ] (No)

37) Are you aware of any environmental liens against the Site that are filed or recorded under federal, tribal, state, or local law? No

[ ] Yes [ ] No

38) Have any environmental violations or citations associated with activities conducted on the Site been issued?

[ ] Yes [ ] No

39) Has the Site been included in other environmental assessments? If so, can copies of the reports be provided?

[ ] Yes [ ] No Archaeological study

40) Have other environmental assessments identified hazardous substances or petroleum products that exist, or may have existed on the Site?

[ ] Yes [ ] No

41) Are there any pending lawsuits that involve the release or threatened release of hazardous substances associated with the Site?

[ ] Yes [ ] No

42) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place on the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

[ ] Yes [ ] No

43) Are you aware of any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of hazardous substance releases or threatened hazardous substance releases?

[ ] Yes [ ] No

44) Do you have any specialized knowledge or experience related to the Site or nearby properties, including the knowledge of the chemicals and processes used by this type of business?

[ ] Yes [ ] No

45) Based in your knowledge or experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

[ ] Yes [ ] No

46) If the purchase price of the Site was below fair market value, did this occur because contamination was/is known or believed to be present on the Site?

[ ] Yes [ ] No [ ] N/A

Sherry Urena 12/1/2021
NAME (IN PRINT) DATE

Sherry Urena
SIGNATURE

[ ] Owner [ ] Occupant [ ] Owner Representative Trustee

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Mr. Cole Mikesell
Geocon Incorporated
Cmikesell@geoconinc.com
(619) 788-3750 PHONE
(858) 558-6159 FAX

APPENDIX C

Oak Knoll
12624 Oak Knoll Road
Poway, CA 92064

Inquiry Number: 6505044.2s
May 21, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

12624 OAK KNOLL ROAD
POWAY, CA 92064

COORDINATES

Latitude (North):	32.9520510 - 32° 57' 7.38''
Longitude (West):	117.0564740 - 117° 3' 23.30''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	494721.5
UTM Y (Meters):	3645781.8
Elevation:	467 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5622836 POWAY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
12624 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	317-490-41	12619 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	78, 0.015, NW
A2	FIRESTONE COMPLETE A	12619 POWAY RD	RCRA NonGen / NLR	Lower	78, 0.015, NW
A3	L&M TIRE COMPANY INC	12619 POWAY RD	RCRA NonGen / NLR	Lower	78, 0.015, NW
A4	EXPRESS TIRE	12619 POWAY RD	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Lower	78, 0.015, NW
A5	EAGLE TIRE COMPANY	12619 POWAY RD	LUST	Lower	78, 0.015, NW
A6	L&M TIRE COMPANY INC	12619 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, SAN...	Lower	78, 0.015, NW
7	317-540-71	12532-12604 OAK KNOL	US BROWNFIELDS, FINDS	Lower	85, 0.016, SW
A8	317-490-17, -31	12605 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	133, 0.025, NW
B9	ANTHONY ANGELO	12628 SOULE STREET	RCRA NonGen / NLR	Lower	273, 0.052, South
A10	317-490-74	12600 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	280, 0.053, NNW
A11	317-490-71	12612 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	308, 0.058, NW
C12	317-460-08	12570 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	325, 0.062, NW
D13	317-490-61	12651 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	344, 0.065, North
D14	WESTERN DENTAL SERVI	12649 POWAY RD	RCRA NonGen / NLR	Higher	356, 0.067, North
D15	SENANG INVESTMENTS,	12629 POWAY ROAD	RCRA NonGen / NLR	Higher	356, 0.067, North
D16	WESTERN DENTAL SERVI	12649 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	356, 0.067, North
A17	BIG 5 SPORTING GOODS	12630 POWAY RD	RCRA NonGen / NLR	Higher	370, 0.070, NNW
A18	BIG 5 SPORTING GOODS	12630 POWAY RD	CERS HAZ WASTE, CERS	Higher	370, 0.070, NNW
B19	RUFUS COOK	12626 TUSTIN STREET	RCRA NonGen / NLR	Lower	398, 0.075, South
D20	QUALITY CARE CLEANER	12636 POWAY RD STE 6	DRYCLEANERS	Higher	401, 0.076, NNW
D21	QUALITY CARE CLEANER	12636 POWAY RD STE 6	EDR Hist Cleaner	Higher	401, 0.076, NNW
D22	QUALITY CARE CLEANER	12636-6B POWAY ROAD	DRYCLEANERS	Higher	401, 0.076, NNW
D23	QUALITY CARE CLEANER	12636-6B POWAY ROAD	DRYCLEANERS, HWTS	Higher	401, 0.076, NNW
B24	JEFF HAYINE	12641 SOULE ST	RCRA NonGen / NLR	Lower	405, 0.077, South
D25	317-490-62	12657 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	411, 0.078, North
C26	13102 RIDGEDALE DR.	13102 RIDGEDALE DR.	RCRA NonGen / NLR	Higher	418, 0.079, WNW
C27	317-460-09	13102 RIDGEDALE DRIV	US BROWNFIELDS, FINDS, ECHO	Higher	418, 0.079, WNW
D28	POWAY FORD USED CAR	12665 POWAY RD	RCRA-SQG, US BROWNFIELDS, San Diego Co. HMMD,...	Higher	422, 0.080, North
29	LEE, TERRI	12718 SOULE ST.	RCRA NonGen / NLR	Lower	474, 0.090, SSE
E30	317-490-47	12709 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	484, 0.092, NNE
D31	317-490-77, -78, -79	12600 BLOCK OF POWAY	US BROWNFIELDS	Higher	499, 0.095, NNW
32	DAUER, DAVID & ANGEL	12737 LA VISTA WAY	RCRA NonGen / NLR	Lower	502, 0.095, ESE
F33	317-540-20	12538 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	514, 0.097, WNW
G34	RICE, WILLIAM	13139 RIDGEDALE DRIV	RCRA NonGen / NLR	Higher	597, 0.113, NW
H35	JOE N.T. NGUYEN, DDS	12511 POWAY RD B	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	627, 0.119, West
H36	SHERIN WILLIAMS #153	12511 POWAY RD	RCRA NonGen / NLR	Lower	627, 0.119, West
H37	317-540-63	12511 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	627, 0.119, West
38	LINDSEY OKEEFE	12711 TUSTIN ST.	RCRA NonGen / NLR	Lower	636, 0.120, South
E39	317-490-48	12711 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	662, 0.125, NNE

MAPPED SITES SUMMARY

Target Property Address:
12624 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	DOLLAR TREE #05041	12624 POWAY RD STE 2	RCRA NonGen / NLR	Higher	662, 0.125, NNW
G41	DOLLAR TREE #05041	12624 POWAY RD STE 2	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	662, 0.125, NNW
I42	MIDAS POWAY	12672 POWAY RD	AST, San Diego Co. HMMD, HAZNET, HWTS	Higher	671, 0.127, North
I43	317-490-75	12672 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	671, 0.127, North
I44	VB MDS AUTO SERVICES	12672 POWAY RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	671, 0.127, North
I45	MIDAS POWAY	12672 POWAY RD	RCRA NonGen / NLR	Higher	671, 0.127, North
F46	317-540-19	12510 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	694, 0.131, West
J47	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J48	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J49	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J50	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J51	OAK CREEK - MULTIPLE	12455 OAK KNOLL RD	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J52	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J53	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J54	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J55	OAK CREEK APARTMENTS	12455 OAK KNOLL RD,	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J56	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
J57	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Lower	695, 0.132, WSW
H58	317-540-64	12509 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	753, 0.143, West
E59	317-490-49	12719 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	757, 0.143, NNE
E60	317-490-08	12735 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	763, 0.145, NNE
K61	EL DORADO COLLISION	12502 POWAY RD	RCRA NonGen / NLR	Higher	818, 0.155, West
K62	317-540-17, -18	12502 POWAY ROAD	US BROWNFIELDS, San Diego Co. HMMD, CERS HAZ...	Higher	818, 0.155, West
L63	317-490-65	12724 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	918, 0.174, North
K64	REGENT OIL	12462 POWAY RD	LUST, San Diego Co. HMMD, SWEEPS UST, Cortese,...	Higher	931, 0.176, West
K65	APRO #23	12462 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS TANKS,...	Higher	931, 0.176, West
K66	APRO LLC DBA UNITED	12462 POWAY RD	RCRA NonGen / NLR	Higher	931, 0.176, West
K67	317-540-15, -16	12462 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	931, 0.176, West
K68	CHIEFS' REGENT	12462 POWAY RD	RCRA NonGen / NLR	Higher	931, 0.176, West
K69	UNITED #023	12462 POWAY RD	SAN DIEGO CO. SAM, UST, SAN DIEGO CO LOP	Higher	931, 0.176, West
M70	317-540-27	12443 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	957, 0.181, West
N71	WILLIAM P RACICOT DD	13206 CARRIAGE RD ST	CERS HAZ WASTE, CERS	Higher	991, 0.188, NNE
N72	317-490-04, -06, -07	13206 CARRIAGE ROAD;	US BROWNFIELDS	Higher	991, 0.188, NNE
N73	317-490-42	12759 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	999, 0.189, NNE
N74	OAK KNOLL SQUARE	12759 POWAY RD	SAN DIEGO CO. SAM	Higher	999, 0.189, NNE
N75	OAK KNOLL SQUARE	12759 POWY ROAD	RCRA NonGen / NLR	Higher	999, 0.189, NNE
M76	OIL CHANGERS #604	12459 POWAY ROAD	RCRA NonGen / NLR	Lower	1006, 0.191, West
M77	317-540-26	12455 AND 12459 POWA	US BROWNFIELDS, FINDS	Lower	1006, 0.191, West
M78	OIL CHANGER #604	12459 POWAY RD	AST	Lower	1006, 0.191, West

MAPPED SITES SUMMARY

Target Property Address:
12624 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M79	OIL CHANGERS #604	12459 POWAY RD	AST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Lower	1006, 0.191, West
M80	317-540-30	12439 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1020, 0.193, West
K81	317-540-13, -72	12448 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1042, 0.197, West
O82	R & C CLEANERS INC D	12654 POWAY RD STE 2	DRYCLEANERS	Higher	1052, 0.199, North
O83	BANFIELD PET HOSPITA	12654 POWAY RD STE 1	San Diego Co. HMMD, CERS HAZ WASTE, DRYCLEANERS,...	Higher	1052, 0.199, North
O84	OGDENS ONE HOUR CLEA	12654 POWAY RD	RCRA NonGen / NLR	Higher	1052, 0.199, North
O85	MEDICAL MANAGEMENT I	12654 POWAY RD STE 1	RCRA NonGen / NLR	Higher	1052, 0.199, North
M86	317-540-60	12440 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1069, 0.202, West
L87	317-490-66, -73	12740 POWAY ROAD	RCRA-SQG, LUST, SAN DIEGO CO. SAM, AST, US...	Higher	1078, 0.204, NNE
L88	PERRY FORD OF POWAY	12740 POWAY RD	Cortese, HAZNET, HWTS	Higher	1078, 0.204, NNE
M89	317-540-61, -62	12411 AND 12427 POWA	US BROWNFIELDS, FINDS	Lower	1079, 0.204, West
M90	TUNE CRAFT/POWAY CIT	12430 POWAY RD	ENVIROSTOR, LUST, SAN DIEGO CO. SAM, CPS-SLIC, San...	Higher	1083, 0.205, West
M91	317-540-73	12430 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1083, 0.205, West
P92	STRIP JOINT THE	12823 POMERADO RD	RCRA-SQG, FINDS, ECHO	Lower	1097, 0.208, WSW
P93	WESTERN MOWER & ENGI	12823 POMERADO RD	RCRA NonGen / NLR	Lower	1097, 0.208, WSW
P94	WESTERN MOWER AND EN	12823 POMERADO RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	1097, 0.208, WSW
N95	CONROYS FLOWERS	12775 POWAY RD	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	1132, 0.214, NNE
N96	317-490-02	12775 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1132, 0.214, NNE
Q97	A POWAY DENTAL GROUP	12921 POMERADO RD	RCRA NonGen / NLR	Lower	1150, 0.218, WSW
98	317-151-59, AND 316-	12200 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	1162, 0.220, WNW
O99	RITE AID #5637	12666 POWAY RD	RCRA-LQG	Higher	1177, 0.223, North
O100	RITE AID NO 5637	12666 POWAY RD	RCRA NonGen / NLR, HAZNET, HWTS	Higher	1177, 0.223, North
M101	317-540-47	12424 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1186, 0.225, West
102	CHARLENE THOMPSON	12808 METATE LN	RCRA NonGen / NLR	Higher	1191, 0.226, SE
103	SHELLY PHILLIPS	12947 CONLEY STREET	RCRA NonGen / NLR	Higher	1205, 0.228, East
R104	CHEVRON (G&M #112)	12410 POWAY RD	SAN DIEGO CO. SAM, UST, San Diego Co. HMMD, SWEEPS...	Higher	1314, 0.249, West
R105	G & M #112	12410 POWAY RD	RCRA NonGen / NLR	Higher	1314, 0.249, West
R106	CHEVRON 94955	12410 POWAY RD	RCRA NonGen / NLR	Higher	1314, 0.249, West
R107	CHEVRON (G&M #112)	12410 POWAY RD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Higher	1314, 0.249, West
R108	94955	12410 POWAY	HIST UST	Higher	1314, 0.249, West
R109	G&M OIL CO LLC	12410 POWAY RD	LUST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Higher	1314, 0.249, West
Q110	CIRCLE K STORE #2966	12906 POMERADO	RCRA-SQG, LUST, SAN DIEGO CO. SAM, CPS-SLIC, San...	Lower	1335, 0.253, WSW
Q111	TOSCO/ CIRCLE K #296	12906 POMERADO RD	LUST	Lower	1335, 0.253, WSW
S112	7-ELEVEN STORE #1916	12764 POWAY RD	LUST	Higher	1340, 0.254, NNE
S113	7-ELEVEN FOOD STORE	12764 POWAY RD	SAN DIEGO CO. SAM, San Diego Co. HMMD, SWEEPS UST,...	Higher	1340, 0.254, NNE
S114	7-ELEVEN STORE #1916	12764 POWAY	LUST, HIST CORTESE, CERS	Higher	1340, 0.254, NNE
S115	317-490-72	12764 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1340, 0.254, NNE
S116	ARCO FACILITY NO 017	12805 POWAY RD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Higher	1344, 0.255, NNE
S117	ARCO #1735	12805 POWAY RD	SAN DIEGO CO. SAM	Higher	1344, 0.255, NNE

MAPPED SITES SUMMARY

Target Property Address:
12624 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
S118	ARCO SERVICE STATION	12805 POWAY RD	LUST	Higher	1344, 0.255, NNE
S119	EXOIL CORPORATION	12805 POWAY RD	LUST, San Diego Co. HMMD, Cortese, EMI, HIST...	Higher	1344, 0.255, NNE
Q120	317-151-42, AND -43	12369 AND 12373 POWA	US BROWNFIELDS, FINDS	Lower	1363, 0.258, WSW
R121	WILLIAM P RACICOT DD	13029 POMERADO RD	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	1411, 0.267, West
122	317-490-54	12800 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	1418, 0.269, NNE
R123	317-151-47, -50, AND	12300 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Lower	1440, 0.273, West
T124	COUNTY OF SD/POWAY R	12341 OAK KNOLL RD	LUST, SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co....	Lower	1449, 0.274, WSW
T125	POWAY ROAD STATION	12341 OAK KNOLL RD	CPS-SLIC, HIST UST, CERS	Lower	1449, 0.274, WSW
U126	SHELL SVC STATION	12365 POWAY RD SAP N	RCRA-SQG, SAN DIEGO CO. SAM, UST, San Diego Co....	Lower	1470, 0.278, West
U127	317-151-40	12365 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1470, 0.278, West
U128	SHELL OIL STATION	12365 POWAY RD	LUST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Lower	1470, 0.278, West
R129	317-153-08	13012 POMERADO ROAD	US BROWNFIELDS, FINDS, ECHO, EMI	Lower	1530, 0.290, West
R130	APC OIL INC	13012 POMERADO RD	LUST, SWEEPS UST, HIST UST, EMI, CERS	Lower	1530, 0.290, West
R131	UNOCAL	13012 POMERADO	LUST, CPS-SLIC, HIST CORTESE, SAN DIEGO CO LOP	Lower	1530, 0.290, West
R132	POWAY 76	13012 POMERADO RD	CERS HAZ WASTE, CERS TANKS, Cortese, HAZNET, CERS,...	Lower	1530, 0.290, West
R133	POWAY 76	13012 POMERADO RD	SAN DIEGO CO. SAM, San Diego Co. HMMD	Lower	1530, 0.290, West
V134	317-490-55	12845 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1651, 0.313, NE
U135	317-153-22	12380 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1661, 0.315, West
U136	317-151-44	12339 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1703, 0.323, West
V137	317-090-46, -48, -49	12800 BLOCK OF CARRI	US BROWNFIELDS	Higher	1851, 0.351, NE
W138	317-490-69	12941 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1857, 0.352, NE
W139	317-490-68	12947 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2022, 0.383, NE
X140	317-153-18, -19, -20	12300 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Lower	2072, 0.392, West
W141	317-490-57	12957 AND 12963 POWA	US BROWNFIELDS, FINDS	Higher	2135, 0.404, NE
X142	ACE TIRE CENTERS OF	12255 POWAY RD	LUST, San Diego Co. HMMD, CERS HAZ WASTE, SWEEPS...	Lower	2189, 0.415, West
X143	317-151-60	12255 POWAY ROAD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Lower	2189, 0.415, West
X144	WRENCH ON WHEELS	12255 POWAY RD	SAN DIEGO CO. SAM, San Diego Co. HMMD, Cortese,...	Lower	2189, 0.415, West
Y145	317-472-02	13027 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2445, 0.463, ENE
146	317-101-01	13010 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2475, 0.469, NE
Y147	317-472-06	13031 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2500, 0.473, ENE
Y148	317-472-24	13053 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2505, 0.474, ENE
Y149	317-101-02	13020 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2516, 0.477, NE
Y150	317-472-20	13029 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2569, 0.487, ENE
Y151	317-472-25	13029+ POWAY ROAD	US BROWNFIELDS	Higher	2569, 0.487, ENE
152	317-472-19	13126 QUATE COURT	US BROWNFIELDS, FINDS	Higher	2586, 0.490, ENE
153	QUIK CHEK	13123 POWAY RD	LUST, SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co....	Higher	3036, 0.575, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
San Diego Co. HMMD ---------- Hazardous Materials Management Division Database
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register
PFAS ---------- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST ---------- Facility Inventory Database

EXECUTIVE SUMMARY

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan

CUPA Listings - CUPA Resources List
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
HAZNET - Facility and Manifest Data
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
SAN DIEGO CO LOP - Local Oversight Program Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
HWTS - Hazardous Waste Tracking System
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List
RGA LUST - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #5637 EPA ID:: CAL000379873	12666 POWAY RD	N 1/8 - 1/4 (0.223 mi.)	O99	589

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
POWAY FORD USED CAR EPA ID:: CAR000005314	***12665 POWAY RD***	***N 0 - 1/8 (0.080 mi.)***	***D28***	***103***
317-490-66, -73 EPA ID:: CAD981997323	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
CHEVRON (G&M #112) EPA ID:: CA0000333781	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R107***	***639***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STRIP JOINT THE EPA ID:: CAD981654916	***12823 POMERADO RD***	***WSW 1/8 - 1/4 (0.208 mi.)***	***P92***	***560***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information

that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/25/2021 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TUNE CRAFT/POWAY CIT	***12430 POWAY RD***	***W 1/8 - 1/4 (0.205 mi.)***	***M90***	***551***
Facility Id: 37990006				
Status: Refer: 1248 Local Agency				

State and tribal leaking storage tank lists

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 15 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED #023	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K69***	***364***
Case Number: H03486-001				
Facility Status: Remedial Investigation				
OAK KNOLL SQUARE	12759 POWAY RD	NNE 1/8 - 1/4 (0.189 mi.)	N74	375
Case Number: H39706-001				
Facility Status: Closed Case				
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
Case Number: H13170-001				
Facility Status: Closed Case				
TUNE CRAFT/POWAY CIT	***12430 POWAY RD***	***W 1/8 - 1/4 (0.205 mi.)***	***M90***	***551***
Case Number: H13442-001				
Case Number: H13442-002				
Facility Status: Closed Case				
CONROYS FLOWERS	***12775 POWAY RD***	***NNE 1/8 - 1/4 (0.214 mi.)***	***N95***	***579***
Case Number: H32109-001				
Facility Status: Closed Case				
CHEVRON (G&M #112)	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R104***	***627***
Case Number: H05705-001				
Facility Status: Remedial Investigation				
7-ELEVEN FOOD STORE	***12764 POWAY RD***	***NNE 1/4 - 1/2 (0.254 mi.)***	***S113***	***711***
Case Number: H20710-001				
Facility Status: Closed Case				
ARCO #1735	12805 POWAY RD	NNE 1/4 - 1/2 (0.255 mi.)	S117	726
Case Number: H20714-001				
Case Number: H20714-002				
Facility Status: Remedial Action (Clean-Up)				

Facility Status: Closed Case

WILLIAM P RACICOT DD	***13029 POMERADO RD***	***W 1/4 - 1/2 (0.267 mi.)***	***R121***	***753***
Case Number: H50251-001 Facility Status: Closed Case				

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE	***12619 POWAY RD***	***NW 0 - 1/8 (0.015 mi.)***	***A4***	***17***
Case Number: H16311-001 Facility Status: Closed Case				
CIRCLE K STORE #2966	***12906 POMERADO***	***WSW 1/4 - 1/2 (0.253 mi.)***	***Q110***	***692***
Case Number: H20709-001 Case Number: H20709-002 Case Number: H20709-003 Facility Status: Remedial Investigation Facility Status: Closed Case				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***WSW 1/4 - 1/2 (0.274 mi.)***	***T124***	***760***
Case Number: H20708-001 Case Number: H20708-002 Facility Status: Closed Case				
SHELL SVC STATION	***12365 POWAY RD SAP N***	***W 1/4 - 1/2 (0.278 mi.)***	***U126***	***769***
Case Number: H03181-001 Facility Status: Remedial Investigation				
POWAY 76	***13012 POMERADO RD***	***W 1/4 - 1/2 (0.290 mi.)***	***R133***	***856***
Case Number: H12921-001 Case Number: H12921-002 Facility Status: Closed Case				
WRENCH ON WHEELS	***12255 POWAY RD***	***W 1/4 - 1/2 (0.415 mi.)***	***X144***	***929***
Case Number: H14146-001 Facility Status: Remedial Investigation				

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 17 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGENT OIL	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K64***	***288***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 03/08/2021 Status: Preliminary site assessment workplan submitted Global Id: T0607302601 Case Number: 9UT3843 Status: Completed - Case Closed				
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 03/08/2021 Status: Remediation Plan				

Global Id: T0607302868
Case Number: 9UT58
Status: Completed - Case Closed

TUNE CRAFT/POWAY CIT ***12430 POWAY RD*** ***W 1/8 - 1/4 (0.205 mi.)*** ***M90*** ***551***
Database: LUST, Date of Government Version: 03/08/2021
Global Id: T0607329605
Status: Completed - Case Closed

G&M OIL CO LLC ***12410 POWAY RD*** ***W 1/8 - 1/4 (0.249 mi.)*** ***R109*** ***646***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 03/08/2021
Status: Preliminary site assessment workplan submitted
Global Id: T0607301492
Case Number: 9UT2737
Status: Completed - Case Closed

7-ELEVEN STORE #1916 12764 POWAY RD NNE 1/4 - 1/2 (0.254 mi.) S112 710
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 5/22/97
Status: Case Closed
Case Number: 9UT2220

7-ELEVEN STORE #1916 ***12764 POWAY*** ***NNE 1/4 - 1/2 (0.254 mi.)*** ***S114*** ***716***
Database: LUST, Date of Government Version: 03/08/2021
Global Id: T0607300987
Status: Completed - Case Closed

ARCO SERVICE STATION 12805 POWAY RD NNE 1/4 - 1/2 (0.255 mi.) S118 726
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/8/86
Status: Case Closed
Case Number: 9UT31

EXOIL CORPORATION ***12805 POWAY RD*** ***NNE 1/4 - 1/2 (0.255 mi.)*** ***S119*** ***727***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 03/08/2021
Status: Preliminary site assessment underway
Global Id: T0607301865
Global Id: T0607300943
Case Number: 9UT2173
Status: Completed - Case Closed
Status: Open - Site Assessment

Lower Elevation	Address	Direction / Distance	Map ID	Page

EXPRESS TIRE ***12619 POWAY RD*** ***NW 0 - 1/8 (0.015 mi.)*** ***A4*** ***17***
Database: LUST, Date of Government Version: 03/08/2021
Global Id: T0607300148
Status: Completed - Case Closed

EAGLE TIRE COMPANY 12619 POWAY RD NW 0 - 1/8 (0.015 mi.) A5 23
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 9/26/91
Status: Case Closed
Case Number: 9UT1173

CIRCLE K STORE #2966 ***12906 POMERADO*** ***WSW 1/4 - 1/2 (0.253 mi.)*** ***Q110*** ***692***
Database: LUST, Date of Government Version: 03/08/2021
Global Id: T0607399211

Status: Completed - Case Closed

TOSCO/ CIRCLE K #296 | 12906 POMERADO RD | WSW 1/4 - 1/2 (0.253 mi.) | Q111 | 709
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4000

COUNTY OF SD/POWAY R | ***12341 OAK KNOLL RD*** | ***WSW 1/4 - 1/2 (0.274 mi.)*** | ***T124*** | ***760***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 03/08/2021
Status: Preliminary site assessment underway
Global Id: T0607301557
Case Number: 9UT2799
Status: Completed - Case Closed

SHELL OIL STATION | ***12365 POWAY RD*** | ***W 1/4 - 1/2 (0.278 mi.)*** | ***U128*** | ***782***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 03/08/2021
Status: Pollution Characterization
Global Id: T0607300295
Case Number: 9UT1473
Status: Completed - Case Closed

APC OIL INC | ***13012 POMERADO RD*** | ***W 1/4 - 1/2 (0.290 mi.)*** | ***R130*** | ***814***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3685

UNOCAL | ***13012 POMERADO*** | ***W 1/4 - 1/2 (0.290 mi.)*** | ***R131*** | ***819***
Database: LUST, Date of Government Version: 03/08/2021
Global Id: T0607302452
Status: Completed - Case Closed

ACE TIRE CENTERS OF | ***12255 POWAY RD*** | ***W 1/4 - 1/2 (0.415 mi.)*** | ***X142*** | ***911***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 03/08/2021
Status: Remediation Plan
Global Id: T0607302759
Case Number: 9UT457
Status: Completed - Case Closed

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 7 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TUNE CRAFT/POWAY CIT	***12430 POWAY RD***	***W 1/8 - 1/4 (0.205 mi.)***	***M90***	***551***
Database: CPS-SLIC, Date of Government Version: 03/08/2021 Facility Status: Completed - Case Closed Global Id: T06019724878				
CONROYS FLOWERS	***12775 POWAY RD***	***NNE 1/8 - 1/4 (0.214 mi.)***	***N95***	***579***
Database: CPS-SLIC, Date of Government Version: 03/08/2021				

Facility Status: Completed - Case Closed
Global Id: SLT9S0064213

WILLIAM P RACICOT DD ***13029 POMERADO RD*** ***W 1/4 - 1/2 (0.267 mi.)*** ***R121*** ***753***
Database: CPS-SLIC, Date of Government Version: 03/08/2021
Facility Status: Completed - Case Closed
Global Id: T0608126275

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2966	***12906 POMERADO***	***WSW 1/4 - 1/2 (0.253 mi.)***	***Q110***	***692***
Database: CPS-SLIC, Date of Government Version: 03/08/2021 Facility Status: Completed - Case Closed Global Id: T0608150361				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***WSW 1/4 - 1/2 (0.274 mi.)***	***T124***	***760***
Database: CPS-SLIC, Date of Government Version: 03/08/2021 Facility Status: Completed - Case Closed Global Id: T0608118612				
POWAY ROAD STATION	***12341 OAK KNOLL RD***	***WSW 1/4 - 1/2 (0.274 mi.)***	***T125***	***767***
Database: CPS-SLIC, Date of Government Version: 03/08/2021 Facility Status: Completed - Case Closed Global Id: T10000007778				
UNOCAL	***13012 POMERADO***	***W 1/4 - 1/2 (0.290 mi.)***	***R131***	***819***
Database: CPS-SLIC, Date of Government Version: 03/08/2021 Facility Status: Completed - Case Closed Global Id: T0608159026				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED #023	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K69***	***364***
Database: UST, Date of Government Version: 03/08/2021 Facility Id: H03486 Facility Id: 37-000-103486				
CHEVRON (G&M #112)	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R104***	***627***
Database: UST, Date of Government Version: 03/08/2021 Facility Id: 37-000-201047 Facility Id: H05705				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIDAS POWAY	***12672 POWAY RD***	***N 1/8 - 1/4 (0.127 mi.)***	***I42***	***181***
Database: AST, Date of Government Version: 07/06/2016				
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OIL CHANGER #604	12459 POWAY RD	W 1/8 - 1/4 (0.191 mi.)	M78	383
Database: AST, Date of Government Version: 07/06/2016				
OIL CHANGERS #604	***12459 POWAY RD***	***W 1/8 - 1/4 (0.191 mi.)***	***M79***	***384***
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/11/2020 has revealed that there are 61 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
317-490-17, -31	***12605 POWAY ROAD***	***NW 0 - 1/8 (0.025 mi.)***	***A8***	***55***
Cleanup Completion Date: -				
ACRES property ID: 39797				
317-490-74	***12600 BLOCK OF POWAY***	***NNW 0 - 1/8 (0.053 mi.)***	***A10***	***60***
Cleanup Completion Date: -				
ACRES property ID: 39684				
317-490-71	***12612 POWAY ROAD***	***NW 0 - 1/8 (0.058 mi.)***	***A11***	***63***
Cleanup Completion Date: -				
ACRES property ID: 39813				
317-460-08	***12570 POWAY ROAD***	***NW 0 - 1/8 (0.062 mi.)***	***C12***	***65***
Cleanup Completion Date: -				
ACRES property ID: 39774				
317-490-61	***12651 POWAY ROAD***	***N 0 - 1/8 (0.065 mi.)***	***D13***	***68***
Cleanup Completion Date: -				
ACRES property ID: 39807				
317-490-62	***12657 POWAY ROAD***	***N 0 - 1/8 (0.078 mi.)***	***D25***	***95***
Cleanup Completion Date: -				
ACRES property ID: 39808				
317-460-09	***13102 RIDGEDALE DRIV***	***WNW 0 - 1/8 (0.079 mi.)***	***C27***	***100***

Cleanup Completion Date: - ACRES property ID: 39775				
POWAY FORD USED CAR Cleanup Completion Date: - ACRES property ID: 39796	***12665 POWAY RD***	***N 0 - 1/8 (0.080 mi.)***	***D28***	***103***
317-490-47 Cleanup Completion Date: - ACRES property ID: 39800	***12709 POWAY ROAD***	***NNE 0 - 1/8 (0.092 mi.)***	***E30***	***113***
317-490-77, -78, -79 Cleanup Completion Date: - ACRES property ID: 39686	12600 BLOCK OF POWAY	NNW 0 - 1/8 (0.095 mi.)	D31	116
317-540-20 Cleanup Completion Date: - ACRES property ID: 39696	***12538 POWAY ROAD***	***WNW 0 - 1/8 (0.097 mi.)***	***F33***	***121***
317-490-48 Cleanup Completion Date: - ACRES property ID: 39801	***12711 POWAY ROAD***	***NNE 1/8 - 1/4 (0.125 mi.)***	***E39***	***139***
317-490-75 Cleanup Completion Date: - ACRES property ID: 39685	***12672 POWAY ROAD***	***N 1/8 - 1/4 (0.127 mi.)***	***I43***	***203***
317-540-19 Cleanup Completion Date: - ACRES property ID: 39695	***12510 POWAY ROAD***	***W 1/8 - 1/4 (0.131 mi.)***	***F46***	***218***
317-540-64 Cleanup Completion Date: - ACRES property ID: 39705	***12509 POWAY ROAD***	***W 1/8 - 1/4 (0.143 mi.)***	***H58***	***263***
317-490-49 Cleanup Completion Date: - ACRES property ID: 39802	***12719 POWAY ROAD***	***NNE 1/8 - 1/4 (0.143 mi.)***	***E59***	***265***
317-490-08 Cleanup Completion Date: - ACRES property ID: 39795	***12735 POWAY ROAD***	***NNE 1/8 - 1/4 (0.145 mi.)***	***E60***	***268***
317-540-17, -18 Cleanup Completion Date: - ACRES property ID: 39694	***12502 POWAY ROAD***	***W 1/8 - 1/4 (0.155 mi.)***	***K62***	***273***
317-490-65 Cleanup Completion Date: - ACRES property ID: 39809	***12724 POWAY ROAD***	***N 1/8 - 1/4 (0.174 mi.)***	***L63***	***285***
317-540-15, -16 Cleanup Completion Date: - ACRES property ID: 39693	***12462 POWAY ROAD***	***W 1/8 - 1/4 (0.176 mi.)***	***K67***	***359***
317-490-04, -06, -07 Cleanup Completion Date: - ACRES property ID: 39794	13206 CARRIAGE ROAD;	NNE 1/8 - 1/4 (0.188 mi.)	N72	370
317-490-42 Cleanup Completion Date: - ACRES property ID: 39799	***12759 POWAY ROAD***	***NNE 1/8 - 1/4 (0.189 mi.)***	***N73***	***372***
317-540-13, -72 Cleanup Completion Date: -	***12448 POWAY ROAD***	***W 1/8 - 1/4 (0.197 mi.)***	***K81***	***411***

ACRES property ID: 39692				
317-540-60	***12440 POWAY ROAD***	***W 1/8 - 1/4 (0.202 mi.)***	***M86***	***429***
Cleanup Completion Date: - ACRES property ID: 39702				
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
Cleanup Completion Date: - ACRES property ID: 39810				
317-540-73	***12430 POWAY ROAD***	***W 1/8 - 1/4 (0.205 mi.)***	***M91***	***558***
Cleanup Completion Date: - ACRES property ID: 39707				
317-490-02	***12775 POWAY ROAD***	***NNE 1/8 - 1/4 (0.214 mi.)***	***N96***	***581***
Cleanup Completion Date: - ACRES property ID: 39793				
317-151-59, AND 316-	***12200 BLOCK OF POWAY***	***WNW 1/8 - 1/4 (0.220 mi.)***	***98***	***586***
Cleanup Completion Date: - ACRES property ID: 39765				
317-540-47	***12424 POWAY ROAD***	***W 1/8 - 1/4 (0.225 mi.)***	***M101***	***620***
Cleanup Completion Date: - ACRES property ID: 39701				
CHEVRON (G&M #112)	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R107***	***639***
Cleanup Completion Date: - ACRES property ID: 39700				
317-490-72	***12764 POWAY ROAD***	***NNE 1/4 - 1/2 (0.254 mi.)***	***S115***	***717***
Cleanup Completion Date: - ACRES property ID: 39814				
ARCO FACILITY NO 017	***12805 POWAY RD***	***NNE 1/4 - 1/2 (0.255 mi.)***	***S116***	***720***
Cleanup Completion Date: - ACRES property ID: 39803				
317-490-54	***12800 BLOCK OF POWAY***	***NNE 1/4 - 1/2 (0.269 mi.)***	***122***	***754***
Cleanup Completion Date: - ACRES property ID: 39804				
317-490-55	***12845 POWAY ROAD***	***NE 1/4 - 1/2 (0.313 mi.)***	***V134***	***889***
Cleanup Completion Date: - ACRES property ID: 39805				
317-090-46, -48, -49	12800 BLOCK OF CARRI	NE 1/4 - 1/2 (0.351 mi.)	V137	898
Cleanup Completion Date: - ACRES property ID: 39738				
317-490-69	***12941 POWAY ROAD***	***NE 1/4 - 1/2 (0.352 mi.)***	***W138***	***900***
Cleanup Completion Date: - ACRES property ID: 39812				
317-490-68	***12947 POWAY ROAD***	***NE 1/4 - 1/2 (0.383 mi.)***	***W139***	***903***
Cleanup Completion Date: - ACRES property ID: 39811				
317-490-57	***12957 AND 12963 POWA***	***NE 1/4 - 1/2 (0.404 mi.)***	***W141***	***908***
Cleanup Completion Date: - ACRES property ID: 39806				
317-472-02	***13027 POWAY ROAD***	***ENE 1/4 - 1/2 (0.463 mi.)***	***Y145***	***934***
Cleanup Completion Date: - ACRES property ID: 39776				
317-101-01	***13010 POWAY ROAD***	***NE 1/4 - 1/2 (0.469 mi.)***	***146***	***937***

Cleanup Completion Date: - ACRES property ID: 39739				
317-472-06 Cleanup Completion Date: - ACRES property ID: 39778	***13031 POWAY ROAD***	***ENE 1/4 - 1/2 (0.473 mi.)***	***Y147***	***940***
317-472-24 Cleanup Completion Date: - ACRES property ID: 39782	***13053 POWAY ROAD***	***ENE 1/4 - 1/2 (0.474 mi.)***	***Y148***	***943***
317-101-02 Cleanup Completion Date: - ACRES property ID: 39740	***13020 POWAY ROAD***	***NE 1/4 - 1/2 (0.477 mi.)***	***Y149***	***945***
317-472-20 Cleanup Completion Date: - ACRES property ID: 39781	***13029 POWAY ROAD***	***ENE 1/4 - 1/2 (0.487 mi.)***	***Y150***	***948***
317-472-25 Cleanup Completion Date: - ACRES property ID: 39783	13029+ POWAY ROAD	ENE 1/4 - 1/2 (0.487 mi.)	Y151	951
317-472-19 Cleanup Completion Date: - ACRES property ID: 39780	***13126 QUATE COURT***	***ENE 1/4 - 1/2 (0.490 mi.)***	***152***	***953***

Lower Elevation	Address	Direction / Distance	Map ID	Page
317-490-41 Cleanup Completion Date: - ACRES property ID: 39798	***12619 POWAY ROAD***	***NW 0 - 1/8 (0.015 mi.)***	***A1***	***9***
317-540-71 Cleanup Completion Date: - ACRES property ID: 39706	***12532-12604 OAK KNOL***	***SW 0 - 1/8 (0.016 mi.)***	***7***	***52***
317-540-63 Cleanup Completion Date: - ACRES property ID: 39704	***12511 POWAY ROAD***	***W 0 - 1/8 (0.119 mi.)***	***H37***	***133***
317-540-27 Cleanup Completion Date: - ACRES property ID: 39698	***12443 POWAY ROAD***	***W 1/8 - 1/4 (0.181 mi.)***	***M70***	***365***
317-540-26 Cleanup Completion Date: - ACRES property ID: 39697	***12455 AND 12459 POWA***	***W 1/8 - 1/4 (0.191 mi.)***	***M77***	***381***
317-540-30 Cleanup Completion Date: - ACRES property ID: 39699	***12439 POWAY ROAD***	***W 1/8 - 1/4 (0.193 mi.)***	***M80***	***408***
317-540-61, -62 Cleanup Completion Date: - ACRES property ID: 39703	***12411 AND 12427 POWA***	***W 1/8 - 1/4 (0.204 mi.)***	***M89***	***549***
317-151-42, AND -43 Cleanup Completion Date: - ACRES property ID: 39761	***12369 AND 12373 POWA***	***WSW 1/4 - 1/2 (0.258 mi.)***	***Q120***	***750***
317-151-47, -50, AND Cleanup Completion Date: - ACRES property ID: 39763	***12300 BLOCK OF POWAY***	***W 1/4 - 1/2 (0.273 mi.)***	***R123***	***757***
317-151-40	***12365 POWAY ROAD***	***W 1/4 - 1/2 (0.278 mi.)***	***U127***	***779***

Cleanup Completion Date: - ACRES property ID: 39760				
317-153-08 Cleanup Completion Date: - ACRES property ID: 39766	***13012 POMERADO ROAD***	***W 1/4 - 1/2 (0.290 mi.)***	***R129***	***808***
317-153-22 Cleanup Completion Date: - ACRES property ID: 39768	***12380 POWAY ROAD***	***W 1/4 - 1/2 (0.315 mi.)***	***U135***	***892***
317-151-44 Cleanup Completion Date: - ACRES property ID: 39762	***12339 POWAY ROAD***	***W 1/4 - 1/2 (0.323 mi.)***	***U136***	***895***
317-153-18, -19, -20 Cleanup Completion Date: - ACRES property ID: 39767	***12300 BLOCK OF POWAY***	***W 1/4 - 1/2 (0.392 mi.)***	***X140***	***906***
317-151-60 Cleanup Completion Date: - ACRES property ID: 39764	***12255 POWAY ROAD***	***W 1/4 - 1/2 (0.415 mi.)***	***X143***	***924***

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/20/2021 has revealed that there are 14 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN DENTAL SERVI	***12649 POWAY RD***	***N 0 - 1/8 (0.067 mi.)***	***D16***	***76***
BIG 5 SPORTING GOODS	***12630 POWAY RD***	***NNW 0 - 1/8 (0.070 mi.)***	***A18***	***85***
DOLLAR TREE #05041	***12624 POWAY RD STE 2***	***NNW 1/8 - 1/4 (0.125 mi.)***	***G41***	***144***
VB MDS AUTO SERVICES	***12672 POWAY RD***	***N 1/8 - 1/4 (0.127 mi.)***	***I44***	***206***
317-540-17, -18	***12502 POWAY ROAD***	***W 1/8 - 1/4 (0.155 mi.)***	***K62***	***273***
APRO #23	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K65***	***301***
WILLIAM P RACICOT DD	***13206 CARRIAGE RD ST***	***NNE 1/8 - 1/4 (0.188 mi.)***	***N71***	***368***
BANFIELD PET HOSPITA	***12654 POWAY RD STE 1***	***N 1/8 - 1/4 (0.199 mi.)***	***O83***	***415***
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
G&M OIL CO LLC	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R109***	***646***

Lower Elevation	Address	Direction / Distance	Map ID	Page
L&M TIRE COMPANY INC	***12619 POWAY RD***	***NW 0 - 1/8 (0.015 mi.)***	***A6***	***24***
JOE N.T. NGUYEN, DDS	***12511 POWAY RD B***	***W 0 - 1/8 (0.119 mi.)***	***H35***	***126***
OIL CHANGERS #604	***12459 POWAY RD***	***W 1/8 - 1/4 (0.191 mi.)***	***M79***	***384***
WESTERN MOWER AND EN	***12823 POMERADO RD***	***WSW 1/8 - 1/4 (0.208 mi.)***	***P94***	***566***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGENT OIL Status: A Tank Status: A Comp Number: 3486	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K64***	***288***
317-490-66, -73 Status: A Tank Status: A Comp Number: 13170	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
TUNE CRAFT/POWAY CIT Status: A Tank Status: A Comp Number: 13442	***12430 POWAY RD***	***W 1/8 - 1/4 (0.205 mi.)***	***M90***	***551***
CHEVRON (G&M #112) Status: A Tank Status: A Comp Number: 5705	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R104***	***627***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE Status: A Comp Number: 16311	***12619 POWAY RD***	***NW 0 - 1/8 (0.015 mi.)***	***A4***	***17***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
94955 Facility Id: 00000062694	12410 POWAY	W 1/8 - 1/4 (0.249 mi.)	R108	645

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 4 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APRO #23	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K65***	***301***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
G&M OIL CO LLC	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R109***	***646***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OIL CHANGERS #604	***12459 POWAY RD***	***W 1/8 - 1/4 (0.191 mi.)***	***M79***	***384***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 41 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN DENTAL SERVI EPA ID:: CAL000178822	12649 POWAY RD	N 0 - 1/8 (0.067 mi.)	D14	71
SENANG INVESTMENTS, EPA ID:: CAC002974034	12629 POWAY ROAD	N 0 - 1/8 (0.067 mi.)	D15	73
BIG 5 SPORTING GOODS EPA ID:: CAL000410431	12630 POWAY RD	NNW 0 - 1/8 (0.070 mi.)	A17	82
13102 RIDGEDALE DR.	13102 RIDGEDALE DR.	WNW 0 - 1/8 (0.079 mi.)	C26	98
RICE, WILLIAM	13139 RIDGEDALE DRIV	NW 0 - 1/8 (0.113 mi.)	G34	124
DOLLAR TREE #05041 EPA ID:: CAL000377748	12624 POWAY RD STE 2	NNW 1/8 - 1/4 (0.125 mi.)	G40	142
MIDAS POWAY EPA ID:: CAL000428317	12672 POWAY RD	N 1/8 - 1/4 (0.127 mi.)	I45	216
EL DORADO COLLISION EPA ID:: CAL000294421	12502 POWAY RD	W 1/8 - 1/4 (0.155 mi.)	K61	271
APRO LLC DBA UNITED EPA ID:: CAL000398698	12462 POWAY RD	W 1/8 - 1/4 (0.176 mi.)	K66	356
CHIEFS' REGENT EPA ID:: CAL000030663	12462 POWAY RD	W 1/8 - 1/4 (0.176 mi.)	K68	362
OAK KNOLL SQUARE EPA ID:: CAC003020896	12759 POWY ROAD	NNE 1/8 - 1/4 (0.189 mi.)	N75	376
OGDENS ONE HOUR CLEA EPA ID:: CAL000408262	12654 POWAY RD	N 1/8 - 1/4 (0.199 mi.)	O84	424
MEDICAL MANAGEMENT I EPA ID:: CAL000410032	12654 POWAY RD STE 1	N 1/8 - 1/4 (0.199 mi.)	O85	426
RITE AID NO 5637 EPA ID:: CAR000212340	***12666 POWAY RD***	***N 1/8 - 1/4 (0.223 mi.)***	***O100***	***592***
CHARLENE THOMPSON	12808 METATE LN	SE 1/8 - 1/4 (0.226 mi.)	102	622

EPA ID:: CAC003028990				
SHELLY PHILLIPS	12947 CONLEY STREET	E 1/8 - 1/4 (0.228 mi.)	103	625
G & M #112	12410 POWAY RD	W 1/8 - 1/4 (0.249 mi.)	R105	634
EPA ID:: CAL000249845				
CHEVRON 94955	12410 POWAY RD	W 1/8 - 1/4 (0.249 mi.)	R106	637
EPA ID:: CAL000159372				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRESTONE COMPLETE A	12619 POWAY RD	NW 0 - 1/8 (0.015 mi.)	A2	12
EPA ID:: CAL000440569				
L&M TIRE COMPANY INC	12619 POWAY RD	NW 0 - 1/8 (0.015 mi.)	A3	14
EPA ID:: CAL000067242				
ANTHONY ANGELO	12628 SOULE STREET	S 0 - 1/8 (0.052 mi.)	B9	57
EPA ID:: CAC003058732				
RUFUS COOK	12626 TUSTIN STREET	S 0 - 1/8 (0.075 mi.)	B19	87
JEFF HAYINE	12641 SOULE ST	S 0 - 1/8 (0.077 mi.)	B24	93
LEE, TERRI	12718 SOULE ST.	SSE 0 - 1/8 (0.090 mi.)	29	110
EPA ID:: CAC002997476				
DAUER, DAVID & ANGEL	12737 LA VISTA WAY	ESE 0 - 1/8 (0.095 mi.)	32	118
EPA ID:: CAC002976592				
SHERIN WILLIAMS #153	12511 POWAY RD	W 0 - 1/8 (0.119 mi.)	H36	131
EPA ID:: CAL000396110				
LINDSEY OKEEFE	12711 TUSTIN ST.	S 0 - 1/8 (0.120 mi.)	38	136
EPA ID:: CAC003017996				
OAKCREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J47	221
EPA ID:: CAC002966836				
OAKCREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J48	223
EPA ID:: CAC002979030				
OAK CREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J49	226
EPA ID:: CAC003024047				
OAK CREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J50	228
EPA ID:: CAC003019485				
OAK CREEK - MULTIPLE	12455 OAK KNOLL RD	WSW 1/8 - 1/4 (0.132 mi.)	J51	231
OAK CREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J52	233
OAK CREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J53	250
EPA ID:: CAC003054309				
OAKCREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J54	253
EPA ID:: CAC002984624				
OAK CREEK APARTMENTS	12455 OAK KNOLL RD,	WSW 1/8 - 1/4 (0.132 mi.)	J55	255
OAK CREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J56	258
EPA ID:: CAC003013208				
OAKCREEK APTS.	12455 OAK KNOLL RD.	WSW 1/8 - 1/4 (0.132 mi.)	J57	260
EPA ID:: CAC002974223				
OIL CHANGERS #604	12459 POWAY ROAD	W 1/8 - 1/4 (0.191 mi.)	M76	378
EPA ID:: CAL000035887				
WESTERN MOWER & ENGI	12823 POMERADO RD	WSW 1/8 - 1/4 (0.208 mi.)	P93	563
EPA ID:: CAL000345839				
A POWAY DENTAL GROUP	12921 POMERADO RD	WSW 1/8 - 1/4 (0.218 mi.)	Q97	584

EXECUTIVE SUMMARY

EPA ID:: CAL000452408

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/17/2020 has revealed that there are 12 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGENT OIL	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K64***	***288***
Cleanup Status: COMPLETED - CASE CLOSED				
PERRY FORD OF POWAY	***12740 POWAY RD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L88***	***496***
Cleanup Status: COMPLETED - CASE CLOSED				
TUNE CRAFT/POWAY CIT	***12430 POWAY RD***	***W 1/8 - 1/4 (0.205 mi.)***	***M90***	***551***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON (G&M #112)	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R104***	***627***
Cleanup Status: COMPLETED - CASE CLOSED				
7-ELEVEN FOOD STORE	***12764 POWAY RD***	***NNE 1/4 - 1/2 (0.254 mi.)***	***S113***	***711***
Cleanup Status: COMPLETED - CASE CLOSED				
EXOIL CORPORATION	***12805 POWAY RD***	***NNE 1/4 - 1/2 (0.255 mi.)***	***S119***	***727***
Cleanup Status: OPEN - SITE ASSESSMENT				
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE	***12619 POWAY RD***	***NW 0 - 1/8 (0.015 mi.)***	***A4***	***17***
Cleanup Status: COMPLETED - CASE CLOSED				
CIRCLE K STORE #2966	***12906 POMERADO***	***WSW 1/4 - 1/2 (0.253 mi.)***	***Q110***	***692***
Cleanup Status: COMPLETED - CASE CLOSED				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***WSW 1/4 - 1/2 (0.274 mi.)***	***T124***	***760***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL SVC STATION	***12365 POWAY RD SAP N***	***W 1/4 - 1/2 (0.278 mi.)***	***U126***	***769***
Cleanup Status: COMPLETED - CASE CLOSED				
POWAY 76	***13012 POMERADO RD***	***W 1/4 - 1/2 (0.290 mi.)***	***R132***	***822***
Cleanup Status: COMPLETED - CASE CLOSED				
WRENCH ON WHEELS	***12255 POWAY RD***	***W 1/4 - 1/2 (0.415 mi.)***	***X144***	***929***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 5 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CARE CLEANER	12636 POWAY RD STE 6	NNW 0 - 1/8 (0.076 mi.)	D20	89
Database: DRYCLEANERS, Date of Government Version: 03/01/2021				

EPA Id: CAL000240210

QUALITY CARE CLEANER 12636-6B POWAY ROAD NNW 0 - 1/8 (0.076 mi.) D22 91
Database: DRYCLEANERS, Date of Government Version: 03/01/2021
EPA Id: CAL000224936

QUALITY CARE CLEANER 12636-6B POWAY ROAD NNW 0 - 1/8 (0.076 mi.) D23 91
Database: DRYCLEANERS, Date of Government Version: 03/01/2021
EPA Id: CAL000025786

R & C CLEANERS INC D 12654 POWAY RD STE 2 N 1/8 - 1/4 (0.199 mi.) O82 414
Database: DRYCLEANERS, Date of Government Version: 03/01/2021
EPA Id: CAL000303830

BANFIELD PET HOSPITA 12654 POWAY RD STE 1 N 1/8 - 1/4 (0.199 mi.) O83 415
Database: DRYCLEANERS, Date of Government Version: 03/01/2021
EPA Id: CAL000408262

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 10 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REGENT OIL Reg Id: 9UT3843	***12462 POWAY RD***	***W 1/8 - 1/4 (0.176 mi.)***	***K64***	***288***
317-490-66, -73 Reg Id: 9UT58	***12740 POWAY ROAD***	***NNE 1/8 - 1/4 (0.204 mi.)***	***L87***	***432***
G&M OIL CO LLC Reg Id: 9UT2737	***12410 POWAY RD***	***W 1/8 - 1/4 (0.249 mi.)***	***R109***	***646***
7-ELEVEN STORE #1916 Reg Id: 9UT2220	***12764 POWAY***	***NNE 1/4 - 1/2 (0.254 mi.)***	***S114***	***716***
EXOIL CORPORATION Reg Id: 9UT2173 Reg Id: 9UT31	***12805 POWAY RD***	***NNE 1/4 - 1/2 (0.255 mi.)***	***S119***	***727***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE Reg Id: 9UT1173	***12619 POWAY RD***	***NW 0 - 1/8 (0.015 mi.)***	***A4***	***17***
COUNTY OF SD/POWAY R Reg Id: 9UT2799	***12341 OAK KNOLL RD***	***WSW 1/4 - 1/2 (0.274 mi.)***	***T124***	***760***
SHELL OIL STATION Reg Id: 9UT1473	***12365 POWAY RD***	***W 1/4 - 1/2 (0.278 mi.)***	***U128***	***782***
UNOCAL Reg Id: 9UT3685	***13012 POMERADO***	***W 1/4 - 1/2 (0.290 mi.)***	***R131***	***819***
ACE TIRE CENTERS OF Reg Id: 9UT457	***12255 POWAY RD***	***W 1/4 - 1/2 (0.415 mi.)***	***X142***	***911***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2020 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUIK CHEK	***13123 POWAY RD***	***ENE 1/2 - 1 (0.575 mi.)***	***153***	***956***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

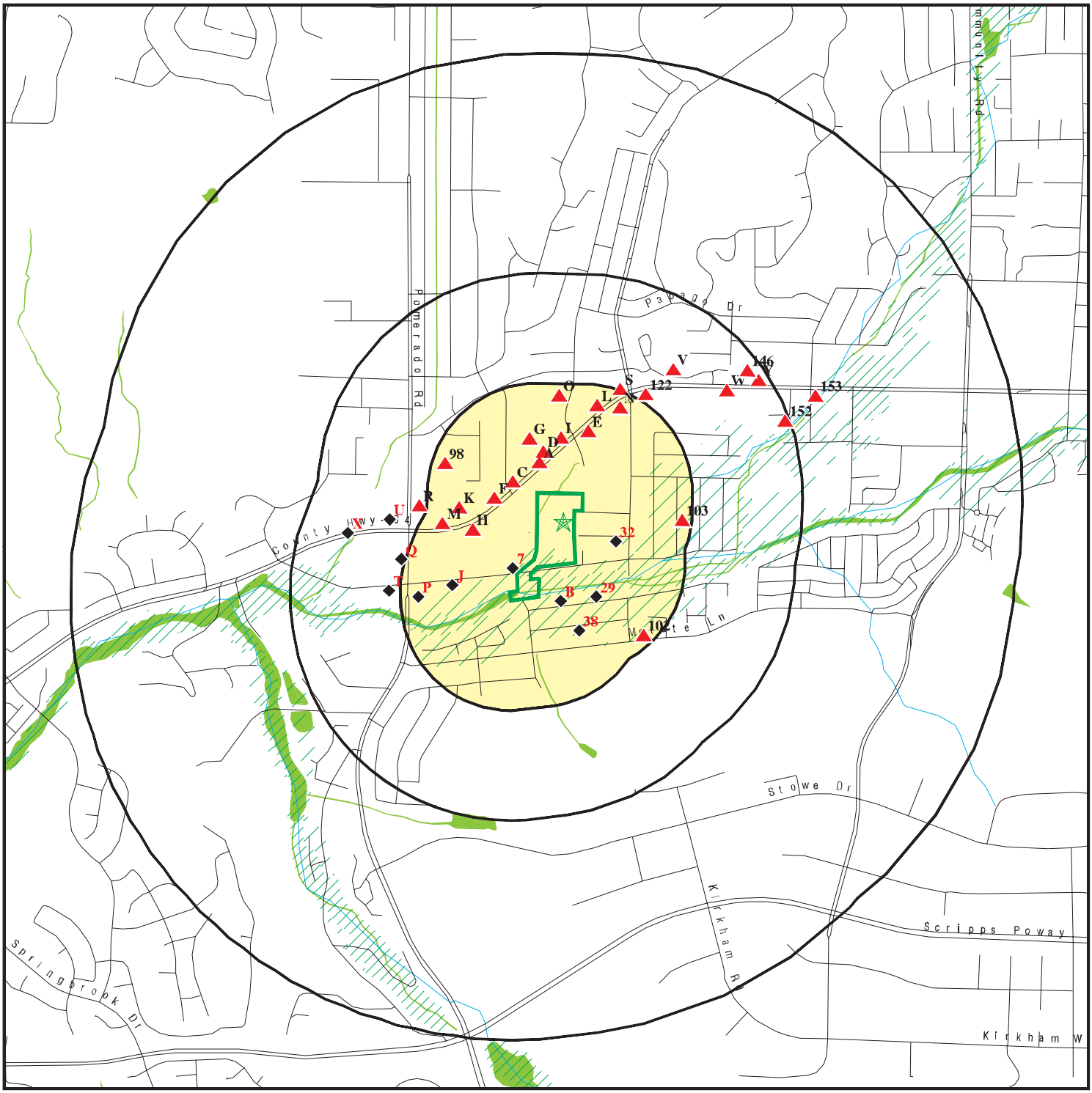
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CARE CLEANER	12636 POWAY RD STE 6	NNW 0 - 1/8 (0.076 mi.)	D21	90

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
HIGHWAY OAK	HAZNET, HWTS
OAK CREEK APTS.	HWTS
OAK KNOLL TRUNK SEWER REPLACEMENT	CIWQS
POWAY RD & OAK KNOLL RD	NPDES, CIWQS
OAK CREEK RD	CIWQS
GREEN OAK RANCH	RGA LUST
POWAY LANDFILL	SWF/LF

OVERVIEW MAP - 6505044.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Oak Knoll	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12624 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
LAT/LONG:	32.952051 / 117.056474	INQUIRY #:	6505044.2s
		DATE:	May 21, 2021 3:08 pm

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DETAIL MAP - 6505044.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Oak Knoll	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12624 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
LAT/LONG:	32.952051 / 117.056474	INQUIRY #:	6505044.2s
		DATE:	May 21, 2021 3:09 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		1	3	NR	NR	NR	4
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	1	0	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
SAN DIEGO CO. SAM	0.500		1	6	8	NR	NR	15

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		2	4	11	NR	NR	17
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	2	5	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	4	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		14	23	24	NR	NR	61
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		4	10	NR	NR	NR	14
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	4	NR	NR	NR	5
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	4	NR	NR	NR	4
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		14	27	NR	NR	NR	41
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	4	7	NR	NR	12
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		3	2	NR	NR	NR	5
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	3	6	NR	NR	10
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	43	101	61	1	0	206

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
NW
< 1/8
0.015 mi.
78 ft.

317-490-41
12619 POWAY ROAD
POWAY, CA 92064

Site 1 of 11 in cluster A

US BROWNFIELDS FINDS **1011974729 N/A**

Relative:
Lower

Actual:
465 ft.

US BROWNFIELDS:

Name:	317-490-41
Address:	12619 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-41
Parcel size:	.67
Latitude:	32.953559
Longitude:	-117.057974
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39798
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Donald W. Schauer, Margaret D. Peterson
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-490-41 (Continued) **1011974729**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-490-41 (Continued) **1011974729**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Goodyear - Facility observed to consist of one building and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Below Poverty Number:	259
Below Poverty Percent:	4.46
Meidan Income:	8524
Meidan Income Number:	1154
Meidan Income Percent:	19.88
Vacant Housing Number:	154
Vacant Housing Percent:	7.32
Unemployed Number:	273
Unemployed Percent:	4.7

FINDS:
Registry ID: 110038216686

Click Here:

Environmental Interest/Information System:
STATE MASTER
UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.
Registry ID: 110038719278

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2
NW
< 1/8
0.015 mi.
78 ft.

FIRESTONE COMPLETE AUTO CARE #793854
12619 POWAY RD
POWAY, CA 92064

Site 2 of 11 in cluster A

RCRA NonGen / NLR **1024871923**
CAL000440569

Relative:
Lower

Actual:
465 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2018-11-05 00:00:00.0
Handler Name:	FIRESTONE COMPLETE AUTO CARE #793854
Handler Address:	12619 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000440569
Contact Name:	C BRIAN SMITH
Contact Address:	200 4TH AVE SOUTH
Contact City,State,Zip:	NASHVILLE, TN 37201
Contact Telephone:	615-937-9520
Contact Fax:	615-493-3333
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	200 4TH AVE SOUTH
Mailing City,State,Zip:	NASHVILLE, TN 37201
Owner Name:	BRIDGESTONE RETAIL OPERATIONS LLC
Owner Type:	Other
Operator Name:	C BRIAN SMITH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

FIRESTONE COMPLETE AUTO CARE #793854 (Continued) **1024871923**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:32:11.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRIDGESTONE RETAIL OPERATIONS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 4TH AVE SOUTH
Owner/Operator City,State,Zip:	NASHVILLE, TN 37201
Owner/Operator Telephone:	615-937-9520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	C BRIAN SMITH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 4TH AVE SOUTH
Owner/Operator City,State,Zip:	NASHVILLE, TN 37201
Owner/Operator Telephone:	615-937-9520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FIRESTONE COMPLETE AUTO CARE #793854 (Continued) **1024871923**

Historic Generators:
Receive Date: 2018-11-05 00:00:00.0
Handler Name: FIRESTONE COMPLETE AUTO CARE #793854
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A3 **L&M TIRE COMPANY INC DBA EXPRESS TIRE** **RCRA NonGen / NLR** **1024789565**
NW **12619 POWAY RD** **CAL000067242**
< 1/8 **POWAY, CA 92064**
0.015 mi.
78 ft. **Site 3 of 11 in cluster A**

Relative:
Lower

Actual:
465 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 1992-03-11 00:00:00.0
Handler Name: L&M TIRE COMPANY INC DBA EXPRESS TIRE
Handler Address: 12619 POWAY RD
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAL000067242
Contact Name: GRETA WAGGONER
Contact Address: 1148 INDUSTRIAL AVENUE
Contact City,State,Zip: ESCONDIDO, CA 92029
Contact Telephone: 760-741-4044
Contact Fax: 760-741-6891
Contact Email: GRETAW@EXPRESSTIRE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1148 INDUSTRIAL AVE
Mailing City,State,Zip: ESCONDIDO, CA 92029
Owner Name: L&M TIRE COMPANY INC

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **1024789565**

Owner Type:	Other
Operator Name:	GRETA WAGGONER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:41:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **1024789565**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: L&M TIRE COMPANY INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1148 INDUSTRIAL AVE
Owner/Operator City,State,Zip: ESCONDIDO, CA 92029
Owner/Operator Telephone: 760-741-4044
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GRETA WAGGONER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1148 INDUSTRIAL AVENUE
Owner/Operator City,State,Zip: ESCONDIDO, CA 92029
Owner/Operator Telephone: 760-741-4044
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1992-03-11 00:00:00.0
Handler Name: L&M TIRE COMPANY INC DBA EXPRESS TIRE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A4
NW
< 1/8
0.015 mi.
78 ft.

Relative: Lower

Actual: 465 ft.

EXPRESS TIRE
12619 POWAY RD
POWAY, CA 92064

Site 4 of 11 in cluster A

LUST
SAN DIEGO CO. SAM
San Diego Co. HMMD
SWEEPS UST
Cortese
HIST CORTESE

S100934901
N/A

LUST:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 920644415
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300148
Global Id:	T0607300148
Latitude:	32.953286
Longitude:	-117.057458
Status:	Completed - Case Closed
Status Date:	10/10/1991
Case Worker:	Not reported
RB Case Number:	9UT1173
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H16311-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0607300148
Action Type:	ENFORCEMENT
Date:	09/26/1991
Action:	Closure/No Further Action Letter

Global Id:	T0607300148
Action Type:	Other
Date:	06/08/1987
Action:	Leak Began

Global Id:	T0607300148
Action Type:	Other
Date:	06/08/1987
Action:	Leak Discovery

Global Id:	T0607300148
Action Type:	Other
Date:	06/05/1987
Action:	Leak Stopped

Global Id:	T0607300148
Action Type:	Other
Date:	06/05/1987
Action:	Leak Reported

LUST:

Global Id:	T0607300148
Status:	Open - Case Begin Date
Status Date:	06/05/1987

EXPRESS TIRE (Continued) **S100934901**

Global Id: T0607300148
Status: Completed - Case Closed
Status Date: 10/10/1991

SAN DIEGO CO. SAM:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 920644415
Case Number: H16311-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/10/1991
Date Began: 6/8/1987

HMMD SAN DIEGO:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 116311
Business Type: 6HK26
EPA Id Number: CAL000067242
APN: 317-490-41-00
Last HMMD Inspection: 04/19/2011
Facility Telephone: 858-748-6330
Permit Status: OPEN
Permit Expiration: 05/31/2013
Date Last Updated: 11/02/2012
Facility Owner: L & M TIRE CO, INC
Facility Mailing Address: 1148 INDUSTRIAL AV
Facility Mailing City: ESCONDIDO
Facility Mailing State: CA
Facility Mailing Zip: 92029-
UST Owner: EAGLE TIRE & SERVICE CENTER
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 116311
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ANTIFREEZE (ETHYLENE GLYCOL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN LIQUID

EXPRESS TIRE (Continued) **S100934901**

Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING
Other Information:	MOTOR, ATF (2-ASTS)
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PART CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	(DBL)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	SPENT LEAD ACID BATTERIES, INTERSTATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	116311
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	SPENT OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported

EXPRESS TIRE (Continued) **S100934901**

Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 02/17/2006
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 02/17/2006
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/19/2011
Violation Code: 6HV0414
Violation: DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation: Failed to train employees annually. 66265.16(c)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/07/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)

EXPRESS TIRE (Continued) **S100934901**

Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/07/2008
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/07/2008
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/07/2008
Violation Code: 6HV0235
Violation: WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation: Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity: ACTIVE

Permit Number: 116311
Update Date: 11/02/2012
Inspection Date: 04/07/2008
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 116311 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 116311
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 500
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

EXPRESS TIRE (Continued) **S100934901**

SWEEPS UST:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	16311
Number:	9
Board Of Equalization:	44-022951
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	16311
Number:	Not reported
Board Of Equalization:	44-022951
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-016311-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

CORTESE:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 920644415
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300148
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported

EXPRESS TIRE (Continued) **S100934901**

Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	EAGLE TIRE COMPANY
edr_fadd1:	12619 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1173

A5 **EAGLE TIRE COMPANY** **LUST** **S102429055**
NW **12619 POWAY RD** **N/A**
< 1/8 **POWAY, CA 92064**
0.015 mi.
78 ft. **Site 5 of 11 in cluster A**

Relative:
Lower

Actual:
465 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1173
Local Case:	H16311-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	06/08/1987
Date Stopped:	06/05/1987
Confirm Date:	06/05/1987
Submit Workplan:	Not reported
Prelim Assess:	02/17/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/01/1989
Enforce Date:	Not reported
Closed Date:	9/26/91
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20

EAGLE TIRE COMPANY (Continued) **S102429055**

GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

A6 **L&M TIRE COMPANY INC DBA EXPRESS TIRE** **San Diego Co. HMMD** **S113047537**
NW **12619 POWAY RD** **CERS HAZ WASTE** **N/A**
< 1/8 **POWAY, CA 92064** **HAZNET**
0.015 mi. **SAN DIEGO CO LOP**
78 ft. **Site 6 of 11 in cluster A** **CERS**
HWTS

Relative:
Lower

Actual:
465 ft.

HMMD SAN DIEGO:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000440569
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-386-0814
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/21/2020
Facility Owner: Not reported
Facility Mailing Address: 200 4th Avenue South Attn: Environmental-BSRO, Nashville , TN 37201
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-116311
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5884033
Return To Compliance Date: 2018-04-25T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2020-05-21T00:00:00.000
Inspection Date: 2018-03-29T13:02:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-116311
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4828390
Return To Compliance Date:	2016-04-25T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-05-21T00:00:00.000
Inspection Date:	2016-04-12T13:51:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-116311
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5884033
Return To Compliance Date:	2018-04-25T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-05-21T00:00:00.000
Inspection Date:	2018-03-29T13:02:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

UST DTL:

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-116311
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Firestone Complete Auto Care # 793854
Tankid:	24039
Tank Status:	Removed
Date Ust Permanently Closed:	01/12/1987
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2020-05-21T02:30:39.000
Tank Capacityin Gallons:	500
Tank Contents:	Not reported
Type Of Tank:	01

Waste and Materials:

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0222566
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192247
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0222567
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST, Totes, & EcoBoxes)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192241
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192242
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192243

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192244
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192245
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Box)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192246
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192248
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Lead/Acid Automotive Battery (New & Used)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192249
Trade Secret: N
Hazardous Material Type: Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used EcoBox Plastic Bags (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0203584
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-12-29T00:42:43.000
Chemical Name: 1,1,1,2-Tetrafluoroethane
Common Name: R134A Freon Gas
Case Number: 811-97-2

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0203585
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-12-29T00:42:43.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0203586
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-12-29T00:42:43.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST & Drums)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175608
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175609
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175610
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175611
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175612
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175613
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175614
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100161
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: OIL, LUBRICATING
Common Name: OIL, LUBRICATING
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100162
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: NITROGEN LIQUID
Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100163
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: ANTIFREEZE (ETHYLENE GLYCOL)
Common Name: ANTIFREEZE (ETHYLENE GLYCOL)
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081899
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081900
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PART CLEANER
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0081901
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: Ethylene Glycol
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081902
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: Aqueous solution
Common Name: Brake Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185589
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: Oil, Lubricating: Motor Oil, ATF
Common Name: OIL, LUBRICATING
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263799
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST, Totes, & EcoBoxes)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263800

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Lead/Acid Automotive Battery (New)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234343
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234344
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234345
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234346
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234347
Trade Secret: N
Hazardous Material Type: Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234348
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234349
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234350
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:30:39.000
Chemical Name: Not reported
Common Name: Used EcoBox Plastic Bags (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141001
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: OIL, LUBRICATING
Common Name: OIL, LUBRICATING
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141002
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: NITROGEN LIQUID

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141003
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: ANTIFREEZE (ETHYLENE GLYCOL)
Common Name: ANTIFREEZE (ETHYLENE GLYCOL)
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119566
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119567
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PART CLEANER
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119568
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: Ethylene Glycol
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119569
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: Aqueous solution
Common Name: Brake Washer Waste
Case Number: Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211292
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211293
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST & Drums)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183450
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183451
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183452
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0183453
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183454
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183455
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183456
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185590
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: NITROGEN LIQUID
Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185591

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: ANTIFREEZE (ETHYLENE GLYCOL)
Common Name: ANTIFREEZE (ETHYLENE GLYCOL)
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160274
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160275
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PART CLEANER
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160276
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160277
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: Aqueous solution
Common Name: Brake Washer Waste
Case Number: Not reported

CERS HAZ WASTE:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 115417

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

CERS ID: 10374124
CERS Description: Hazardous Waste Generator

HAZNET:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 372010000
Contact: BRIDGESTONE RETAIL OPERATIONS LLC
Telephone: 6159379520
Mailing Name: Not reported
Mailing Address: 200 4TH AVE SOUTH

Year: 2019
Gepaid: CAL000440569
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.30000

Year: 2019
Gepaid: CAL000440569
TSD EPA ID: AZR000521146
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10000

Year: 2019
Gepaid: CAL000440569
TSD EPA ID: AZR000521146
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.75000

Year: 2019
Gepaid: CAL000440569
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.10425

Year: 2018
Gepaid: CAL000067242
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.20096

Year: 2018
Gepaid: CAL000067242
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.45950
Year:	2018
Gepaid:	CAL000067242
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.16250
Year:	2017
Gepaid:	CAL000067242
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2013
Gepaid:	CAL000067242
TSD EPA ID:	CAT080013352
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.60545
Year:	2013
Gepaid:	CAL000067242
TSD EPA ID:	CAD097030993
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06255

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2004
Gen EPA ID:	CAL000067242
Shipment Date:	20040406
Creation Date:	10/14/2004 15:19:37
Receipt Date:	20040414
Manifest ID:	23331936
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040212
Creation Date:	8/20/2004 9:31:41
Receipt Date:	20040217
Manifest ID:	22574139
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000067242
Shipment Date:	20050119
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050124
Manifest ID:	24027566
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000067242
Shipment Date:	20010222
Creation Date:	6/27/2001 0:00:00
Receipt Date:	20010228
Manifest ID:	20785200
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000067242
Shipment Date:	20030825
Creation Date:	7/29/2004 7:43:17
Receipt Date:	20030827
Manifest ID:	22388407
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030311
Creation Date:	3/16/2007 18:30:41
Receipt Date:	20030313
Manifest ID:	22442043
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000067242
Shipment Date:	20130522
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	010874124JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.60545
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Additional Code 5:	Not reported
Shipment Date:	20130308
Creation Date:	5/1/2013 22:15:05
Receipt Date:	20130314
Manifest ID:	010858538JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000067242
Shipment Date:	19991221
Creation Date:	3/7/2000 0:00:00
Receipt Date:	19991221
Manifest ID:	99132182
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Year:	2002
Gen EPA ID:	CAL000067242
Shipment Date:	20020501
Creation Date:	7/19/2002 15:54:46
Receipt Date:	20020503
Manifest ID:	21369378
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.3352
Waste Quantity:	560
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL000067242
Shipment Date:	19930119
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930129
Manifest ID:	90861091
Trans EPA ID:	CAD981161706
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0333
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Year: 2008
Gen EPA ID: CAL000067242

Shipment Date: 20080411
Creation Date: 6/4/2008 18:30:29
Receipt Date: 20080414
Manifest ID: 004547872JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.68
Waste Quantity: 400
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAL000067242

Shipment Date: 20060227
Creation Date: 7/14/2006 18:30:33
Receipt Date: 20060301
Manifest ID: 24822792
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D / K - ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 491 - Unspecified sludge waste
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.1668
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060227

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060301
Manifest ID:	24822792
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000067242
Shipment Date:	20170717
Creation Date:	5/17/2018 18:31:47
Receipt Date:	20170728
Manifest ID:	017452597JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170401
Creation Date:	5/4/2018 18:30:52
Receipt Date:	20170411
Manifest ID:	016856760JJK
Trans EPA ID:	CAD028277036

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SAN DIEGO CO LOP:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1987-LSAM-H16311-001
Record Status:	Completed
Opened Date:	06/05/1987
Parcel Number:	317-490-41-00
Case Type:	LOP - Local Oversight Program
Historical Name:	EAGLE TIRE
SWRCB Global ID:	T0607300148
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/08/1987
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9532784
Longitude:	-117.0574488
X MapCoord:	6313993.615
Y MapCoord:	1927563.985

CERS:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 920644415
Site ID:	195952
CERS ID:	T0607300148
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	FIRESTONE COMPLETE AUTO CARE #793854
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 92064

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Site ID: 115417
CERS ID: 10374124
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 115417
Site Name: Firestone Complete Auto Care #793854
Violation Date: 03-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/25/2018. Inspection Sequence ID:5884033
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 115417
Site Name: Firestone Complete Auto Care #793854
Violation Date: 03-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 04/25/2018. Inspection Sequence ID:5884033
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 115417
Site Name: Firestone Complete Auto Care #793854
Violation Date: 04-12-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/25/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5884033
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Eval Notes:	Inspector: Griffin Donelle Inspection ID:5884033
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4828390
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4828390
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	115417
Facility Name:	Firestone Complete Auto Care #793854
Env Int Type Code:	HWG
Program ID:	10374124
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.953280
Longitude:	-117.057450

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	200 4th Avenue South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37201
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Nicole Remsburg
Entity Title:	Environmental Scientist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Environmental Contact
Entity Name:	Dain Brandrup-BSRO
Entity Title:	Not reported
Affiliation Address:	200 4th Avenue South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37201
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bridgestone Retail Operations, LLC. (BSRO)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Nicole Remsburg
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Firestone Complete Auto Care # 793854
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 386-0814
Affiliation Type Desc:	Legal Owner
Entity Name:	Bridgestone Retail Operations, LLC
Entity Title:	Not reported
Affiliation Address:	200 4th Avenue South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37201
Affiliation Phone:	(615) 937-9520

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

HWTS:

Name:	FIRESTONE COMPLETE AUTO CARE #793854
Address:	12619 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000440569
Inactive Date:	Not reported
Create Date:	11/05/2018
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	200 4TH AVE SOUTH
Mailing Address 2:	SUITE 100
Mailing City,State,Zip:	NASHVILLE, TN 372010000
Owner Name:	BFS RETAIL & COMMERICAL LLC
Owner Address:	200 4TH AVE SOUTH
Owner Address 2:	SUITE 100
Owner City,State,Zip:	NASHVILLE, TN 372010000
Contact Name:	BRIDGESTONE RETAIL OPERATIONS, LLC
Contact Address:	200 4TH AVE SOUTH
Contact Address 2:	ATTN: ENVIRONMENTAL-BSRO
City,State,Zip:	NASHVILLE, TN 372017201

NAICS:

EPA ID:	CAL000440569
Create Date:	2018-11-05 10:44:11.257
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2018-11-05 10:44:11.24000
Inactive Date:	Not reported
Facility Name:	FIRESTONE COMPLETE AUTO CARE #793854
Facility Address:	12619 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Name:	L&M TIRE COMPANY INC DBA EXPRESS TIRE
Address:	12619 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000067242
Inactive Date:	Not reported
Create Date:	03/11/1992
Last Act Date:	07/10/2020
Mailing Name:	Not reported
Mailing Address:	1148 INDUSTRIAL AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ESCONDIDO, CA 92029
Owner Name:	L&M TIRE COMPANY INC
Owner Address:	1148 INDUSTRIAL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ESCONDIDO, CA 92029
Contact Name:	GRETA WAGGONER
Contact Address:	1148 INDUSTRIAL AVENUE
Contact Address 2:	Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **S113047537**

City,State,Zip: ESCONDIDO, CA 92029

NAICS:

EPA ID: CAL000067242
Create Date: 2005-01-06 14:37:58.007
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 1992-03-11 00:00:00
Inactive Date: Not reported
Facility Name: L&M TIRE COMPANY INC DBA EXPRESS TIRE
Facility Address: 12619 POWAY RD
Facility Address 2: Not reported
Facility City: POWAY
Facility County: Not reported
Facility State: CA
Facility Zip: 92064

7
SW
< 1/8
0.016 mi.
85 ft.

317-540-71 **US BROWNFIELDS** **1016346529**
12532-12604 OAK KNOLL ROAD **FINDS** **N/A**
POWAY, CA 92064

Relative:
Lower

Actual:
457 ft.

US BROWNFIELDS:

Name: 317-540-71
Address: 12532-12604 OAK KNOLL ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-540-71
Parcel size: 11.2
Latitude: 32.950647
Longitude: -117.058644
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 39706
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: Phase I Environmental Assessment
Accomplishment Count: Y

317-540-71 (Continued) **1016346529**

Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Countryside Apartments, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-

317-540-71 (Continued) **1016346529**

Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Countryside Apartments - Facility observed to consist of residential complex with ten multi-unit buildings, pool, and parking and landscaped areas.
Below Poverty Number:	200
Below Poverty Percent:	4.32
Meidan Income:	7603
Meidan Income Number:	994
Meidan Income Percent:	21.47
Vacant Housing Number:	133
Vacant Housing Percent:	7.82
Unemployed Number:	232
Unemployed Percent:	5.01

FINDS:
Registry ID: 110038708921

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

317-540-71 (Continued) **1016346529**

electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A8 **317-490-17, -31** **US BROWNFIELDS** **1016347233**
NW **12605 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.025 mi.
133 ft. **Site 7 of 11 in cluster A**

Relative:
Higher

Actual:
469 ft.

US BROWNFIELDS:

Name:	317-490-17, -31
Address:	12605 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-17, -31
Parcel size:	.45
Latitude:	32.953331
Longitude:	-117.058253
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39797
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	James M. Dolan, L.D. Frances
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-

317-490-17, -31 (Continued) **1016347233**

IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-

317-490-17, -31 (Continued) **1016347233**

Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Face To Face, State Farm, and Drapery Shoppe - Facility observed to consist of two buildings, and parking areas. Facility observed to be retail and office space.
Below Poverty Number:	237
Below Poverty Percent:	4.26
Meidan Income:	8472
Meidan Income Number:	1123
Meidan Income Percent:	20.17
Vacant Housing Number:	151
Vacant Housing Percent:	7.45
Unemployed Number:	269
Unemployed Percent:	4.83

FINDS:
Registry ID: 110038719269

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B9 **ANTHONY ANGELO** **RCRA NonGen / NLR** **1026051842**
South **12628 SOULE STREET** **CAC003058732**
< 1/8 **POWAY, CA 92064**
0.052 mi.
273 ft. **Site 1 of 3 in cluster B**

Relative: **Lower**
Actual: **447 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-03-04 00:00:00.0
Handler Name:	ANTHONY ANGELO	
Handler Address:		12628 SOULE STREET
Handler City,State,Zip:		POWAY, CA 92064

ANTHONY ANGELO (Continued) **1026051842**

EPA ID:	CAC003058732
Contact Name:	ANTHONY ANGELO
Contact Address:	12628 SOULE STREET
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-335-2522
Contact Fax:	Not reported
Contact Email:	LUCIANNAVILLAREAL@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12628 SOULE STREET
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	ANTHONY ANGELO
Owner Type:	Other
Operator Name:	ANTHONY ANGELO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

ANTHONY ANGELO (Continued) **1026051842**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-03-06 18:11:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANTHONY ANGELO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12628 SOULE STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-2522
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANTHONY ANGELO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12628 SOULE STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-2522
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-03-04 00:00:00.0
Handler Name: ANTHONY ANGELO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

ANTHONY ANGELO (Continued) **1026051842**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A10 **317-490-74** **US BROWNFIELDS** **1016346560**
NNW **12600 BLOCK OF POWAY ROAD (ODDS)** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.053 mi.
280 ft. **Site 8 of 11 in cluster A**

Relative:
Higher

Actual:
474 ft.

US BROWNFIELDS:
Name: 317-490-74
Address: 12600 BLOCK OF POWAY ROAD (ODDS)
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-74
Parcel size: 1.39
Latitude: 32.953827
Longitude: -117.057613
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 39684
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: Phase I Environmental Assessment

317-490-74 (Continued) **1016346560**

Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Poway Vista LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-

317-490-74 (Continued) **1016346560**

Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Shopping center - Facility observed to consist of two buildings, and parking areas. Facility observed to be small shopping center.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

FINDS:
Registry ID: 110038709680

Click Here:

Environmental Interest/Information System:
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317-490-74 (Continued) **1016346560**

electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A11 **317-490-71** **US BROWNFIELDS** **1016347287**
NW **12612 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.058 mi.
308 ft. **Site 9 of 11 in cluster A**

Relative: **Higher**

Actual: **476 ft.**

US BROWNFIELDS:

Name:	317-490-71
Address:	12612 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-71
Parcel size:	.32
Latitude:	32.953789
Longitude:	-117.058127
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39813
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Georges Y. and Marie-Therese J. Habchi
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-

317-490-71 (Continued) **1016347287**

IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-

317-490-71 (Continued) **1016347287**

Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Wienerschnitzel - Facility observed to consist of one building, and parking and landscaped areas.
Below Poverty Number:	259
Below Poverty Percent:	4.46
Meidan Income:	8524
Meidan Income Number:	1154
Meidan Income Percent:	19.88
Vacant Housing Number:	154
Vacant Housing Percent:	7.32
Unemployed Number:	273
Unemployed Percent:	4.7

FINDS:
Registry ID: 110038720006

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C12 **317-460-08** **US BROWNFIELDS** **1016347213**
NW **12570 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.062 mi.
325 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
474 ft.

US BROWNFIELDS:

Name:	317-460-08
Address:	12570 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment

317-460-08 (Continued) **1016347213**

Property Number:	317-460-08
Parcel size:	.24
Latitude:	32.953508
Longitude:	-117.058519
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39774
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Tolles Family Trust 07-09-92
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N

317-460-08 (Continued) **1016347213**

Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-

317-460-08 (Continued) **1016347213**

Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	All Star Glass - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be residence converted to glass installation business.
Below Poverty Number:	237
Below Poverty Percent:	4.27
Meidan Income:	7915
Meidan Income Number:	1119
Meidan Income Percent:	20.16
Vacant Housing Number:	151
Vacant Housing Percent:	7.49
Unemployed Number:	268
Unemployed Percent:	4.83

FINDS:
Registry ID: 110038719036

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D13 **317-490-61** **US BROWNFIELDS** **1016347241**
North **12651 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.065 mi.
344 ft. **Site 1 of 11 in cluster D**

Relative:
Higher

Actual:
476 ft.

US BROWNFIELDS:

Name:	317-490-61
Address:	12651 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-61
Parcel size:	.68
Latitude:	32.954264
Longitude:	-117.057014
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-

317-490-61 (Continued) **1016347241**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Kathryn J. Learner Family Trust 06-30-99
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-

317-490-61 (Continued) **1016347241**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Discount Tire, Co. - Facility observed to consist of one building with services bays, and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157

317-490-61 (Continued) **1016347241**

Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

FINDS:
Registry ID: 110038719367

Click Here:

Environmental Interest/Information System:
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D14 **WESTERN DENTAL SERVICES INC** **RCRA NonGen / NLR** **1024796723**
North **12649 POWAY RD** **CAL000178822**
< 1/8 **POWAY, CA 92064**
0.067 mi.
356 ft. **Site 2 of 11 in cluster D**

Relative:
Higher

Actual:
476 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	1997-01-06 00:00:00.0
Handler Name:	WESTERN DENTAL SERVICES INC
Handler Address:	12649 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-0000
EPA ID:	CAL000178822
Contact Name:	KAREN NGUYEN
Contact Address:	530 S MAIN ST
Contact City,State,Zip:	ORANGE, CA 92868-0000
Contact Telephone:	714-571-3564
Contact Fax:	714-571-3599
Contact Email:	KNGUYEN@WESTERNDENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	530 S MAIN STREET
Mailing City,State,Zip:	ORANGE, CA 92868-0000
Owner Name:	WESTERN DENTAL SERVICES, INC
Owner Type:	Other
Operator Name:	KAREN NGUYEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

WESTERN DENTAL SERVICES INC (Continued) **1024796723**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:44:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WESTERN DENTAL SERVICES, INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

WESTERN DENTAL SERVICES INC (Continued) **1024796723**

Owner/Operator Address:	530 S MAIN STREET
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-480-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAREN NGUYEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 S MAIN ST
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-571-3564
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1997-01-06 00:00:00.0
Handler Name:	WESTERN DENTAL SERVICES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D15 **SENANG INVESTMENTS, LLC** **RCRA NonGen / NLR** **1024754219**
North **12629 POWAY ROAD** **CAC002974034**
< 1/8 **POWAY, CA 92064**
0.067 mi.
356 ft. **Site 3 of 11 in cluster D**

Relative:
Higher

Actual:
476 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2018-08-03 00:00:00.0
Handler Name:	SENANG INVESTMENTS, LLC
Handler Address:	12629 POWAY ROAD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAC002974034

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Contact Name:	MONICA VAZQUEZ
Contact Address:	6265 COTTAGE DRIVE
Contact City,State,Zip:	CARLSBAD, CA 92009
Contact Telephone:	619-295-1100
Contact Fax:	Not reported
Contact Email:	VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6265 COTTAGE DRIVE
Mailing City,State,Zip:	CARLSBAD, CA 92009
Owner Name:	SENANG INVESTMENTS, LLC
Owner Type:	Other
Operator Name:	MONICA VAZQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-08-31 17:14:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONICA VAZQUEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6265 COTTAGE DRIVE
Owner/Operator City,State,Zip:	CARLSBAD, CA 92009
Owner/Operator Telephone:	619-295-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SENANG INVESTMENTS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6265 COTTAGE DRIVE
Owner/Operator City,State,Zip:	CARLSBAD, CA 92009
Owner/Operator Telephone:	619-295-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-08-03 00:00:00.0
Handler Name: SENANG INVESTMENTS, LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D16 **WESTERN DENTAL SERVICES** **San Diego Co. HMMD** **S102626398**
North **12649 POWAY RD** **CERS HAZ WASTE** **N/A**
< 1/8 **POWAY, CA 92064** **CERS**
0.067 mi.
356 ft. **Site 4 of 11 in cluster D**

Relative:
Higher

Actual:
476 ft.

HMMD SAN DIEGO:
Name: WESTERN DENTAL SERVICES
Address: 12649 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 153983
Business Type: 6HK10
EPA Id Number: Not reported
APN: 317-490-74-00
Last HMMD Inspection: 04/17/2009
Facility Telephone: 858-486-6100
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: WESTERN DENTAL SERVICES
Facility Mailing Address: 12649 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inventory Active Permits (SQG Medical):
Permit Number: 153983
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: FIXER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Permit Number:	153983
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	153983
Update Date:	11/02/2012
Inspection Date:	04/17/2009
Violation Code:	6HV4203
Violation:	MED WASTE STORAGE NOT SECURED
Violation Citation:	Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118307, 118310
Activity:	ACTIVE

Permit Number:	153983
Update Date:	11/02/2012
Inspection Date:	04/17/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Name:	WESTERN DENTAL SERVICES
Address:	12649 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000178822
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-486-6100
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	10/09/2020
Facility Owner:	Not reported
Facility Mailing Address:	530 S Main St, Orange, CA 92868
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-153983

WESTERN DENTAL SERVICES (Continued) **S102626398**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-153983
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5909526
Return To Compliance Date:	2018-07-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-10-09T00:30:45.000
Inspection Date:	2018-04-10T14:41:00.000
Violation Code:	HMD4303 Did not maintain on file disposal receipts, tracking or shipping documents for medical waste shipped offsite for at least 3 years. HSC 117945

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-153983
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5909526
Return To Compliance Date:	2018-05-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-10-09T00:30:45.000
Inspection Date:	2018-04-10T14:41:00.000
Violation Code:	HMD4201 UPF Permit not obtained. HSC 117705; SDCC 68.905, 68.906, 68.1202

Waste and Materials:

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146772
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-02T02:31:25.000
Chemical Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146773
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-02T02:31:25.000
Chemical Name:	Mercury
Common Name:	Universal Waste Almalgam
Case Number:	Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175203
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-26T02:35:30.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175204
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-26T02:35:30.000
Chemical Name: Mercury
Common Name: Universal Waste Almalgam
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175205
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-26T02:35:30.000
Chemical Name: Regulated Medical Waste
Common Name: Red Bag Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0107656
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T02:30:33.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0107657
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T02:30:33.000
Chemical Name: Mercury
Common Name: Universal Waste Almalgam
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed

WESTERN DENTAL SERVICES (Continued) **S102626398**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0192213
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-09T00:30:46.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192214
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-09T00:30:46.000
Chemical Name: Mercury
Common Name: Universal Waste Almalgam
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192215
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-09T00:30:46.000
Chemical Name: Regulated Medical Waste
Common Name: Red Bag Waste
Case Number: Not reported

CERS HAZ WASTE:
Name: WESTERN DENTAL SERVICES
Address: 12649 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 85544
CERS ID: 10374364
CERS Description: Hazardous Waste Generator

CERS:
Name: WESTERN DENTAL SERVICES
Address: 12649 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 85544
CERS ID: 10374364
CERS Description: Chemical Storage Facilities

Coordinates:
Site ID: 85544
Facility Name: WESTERN DENTAL SERVICES
Env Int Type Code: HWG
Program ID: 10374364
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 32.954260
Longitude: -117.056760

WESTERN DENTAL SERVICES (Continued) **S102626398**

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Mejia
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Edward Saldana
Entity Title:	Not reported
Affiliation Address:	530 S Main St
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92868
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Western Dental Services, Inc
Entity Title:	Not reported
Affiliation Address:	530 S Main St
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92868
Affiliation Phone:	(714) 480-3000

Affiliation Type Desc:	Parent Corporation
Entity Name:	Western Dental Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	530 S Main St Attention: Facilities Dept
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92868
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Mejia
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	WESTERN DENTAL SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 480-3000
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

A17 **BIG 5 SPORTING GOODS #463** **RCRA NonGen / NLR** **1024851787**
NNW **12630 POWAY RD** **CAL000410431**
< 1/8 **POWAY, CA 92064**
0.070 mi.
370 ft. **Site 10 of 11 in cluster A**

Relative: **Higher**

Actual: **477 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2015-09-16 00:00:00.0
Handler Name:	BIG 5 SPORTING GOODS #463
Handler Address:	12630 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000410431
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact City,State,Zip:	EL SEGUNDO, CA 90245
Contact Telephone:	310-536-0611
Contact Fax:	Not reported
Contact Email:	ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP
Owner Type:	Other
Operator Name:	ROGER TANAKA EXT 5523

BIG 5 SPORTING GOODS #463 (Continued) **1024851787**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:06:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

BIG 5 SPORTING GOODS #463 (Continued) **1024851787**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BIG 5 CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROGER TANAKA EXT 5523
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2015-09-16 00:00:00.0
Handler Name:	BIG 5 SPORTING GOODS #463
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	45111
NAICS Description:	SPORTING GOODS STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A18
NNW
< 1/8
0.070 mi.
370 ft.

BIG 5 SPORTING GOODS #463
12630 POWAY RD
POWAY, CA 92064

Site 11 of 11 in cluster A

CERS HAZ WASTE
CERS

S117298034
N/A

Relative:
Higher

Actual:
477 ft.

CERS HAZ WASTE:

Name:	BIG 5 SPORTING GOODS #463
Address:	12630 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	369475
CERS ID:	10670683
CERS Description:	Hazardous Waste Generator

CERS:

Name:	BIG 5 SPORTING GOODS #463
Address:	12630 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	369475
CERS ID:	10670683
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-10-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5903534
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5487891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	369475
Facility Name:	BIG 5 SPORTING GOODS #463
Env Int Type Code:	HWG
Program ID:	10670683
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.954150
Longitude:	-117.057290

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA

BIG 5 SPORTING GOODS #463 (Continued) **S117298034**

Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Identification Signer
Entity Name:	Ashley Campbell
Entity Title:	ENVIRONMENTAL COMPLIANCE SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	BIG 5 SPORTING GOODS CORPORATION
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 350-2413
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD/ATTN: ROGER TANAKA
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	BIG 5 SPORTING GOODS #463
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 513-2666
Affiliation Type Desc:	Document Preparer
Entity Name:	ASHLEY CAMPBELL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROGER TANAKA
Entity Title:	Not reported

BIG 5 SPORTING GOODS #463 (Continued) **S117298034**

Affiliation Address:	2525 E. EL SEGUNDO BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	BIG 5 SPORTING GOODS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

B19 **RUFUS COOK** **RCRA NonGen / NLR** **1026469102**
South **12626 TUSTIN STREET** **CAC003074552**
< 1/8 **POWAY, CA 92064**
0.075 mi.
398 ft. **Site 2 of 3 in cluster B**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		2020-07-13 00:00:00.0
452 ft. Handler Name:	RUFUS COOK	
Handler Address:		12626 TUSTIN STREET
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003074552
Contact Name:		RUFUS COOK
Contact Address:		12626 TUSTIN STREET
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-486-5215
Contact Fax:		Not reported
Contact Email:		VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12626 TUSTIN STREET
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		RUFUS COOK
Owner Type:		Other
Operator Name:		RUFUS COOK
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

RUFUS COOK (Continued) **1026469102**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-08-14 15:09:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RUFUS COOK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

RUFUS COOK (Continued) **1026469102**

Owner/Operator Address:	12626 TUSTIN STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-486-5215
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	RUFUS COOK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12626 TUSTIN STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-486-5215
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-07-13 00:00:00.0
Handler Name: RUFUS COOK	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D20 **QUALITY CARE CLEANERS** **DRYCLEANERS** **S118907402**
NNW **12636 POWAY RD STE 6** **N/A**
< 1/8 **POWAY, CA 92064**
0.076 mi.
401 ft. **Site 5 of 11 in cluster D**

Relative:
Higher

Actual:
477 ft.

DRYCLEANERS:

Name:	QUALITY CARE CLEANERS
Address:	12636 POWAY RD STE 6
City,State,Zip:	POWAY, CA 920644450
EPA Id:	CAL000240210
NAICS Code:	81232

QUALITY CARE CLEANERS (Continued) **S118907402**

NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/14/2002
Facility Active:	No
Inactive Date:	06/30/2003
Facility Addr2:	Not reported
Owner Name:	LAURA SEGURA
Owner Address:	12636 POWAY RD STE 6
Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	ERNESTO MORAN MANAGER
Contact Address:	12636 POWAY RD STE 6
Contact Address 2:	Not reported
Contact Telephone:	8586729152
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	12636 POWAY RD STE 6
Mailing Address 2:	Not reported
Mailing City:	POWAY
Mailing State:	CA
Mailing Zip:	920644450
Owner Fax:	Not reported
Region Code:	4
Latitude:	32.953784
Longitude:	-117.057591

D21 **QUALITY CARE CLEANERS** **EDR Hist Cleaner** **1020068891**
NNW **12636 POWAY RD STE 6** **N/A**
< 1/8 **POWAY, CA 92064**
0.076 mi.
401 ft. **Site 6 of 11 in cluster D**

Relative: EDR Hist Cleaner
Higher

Actual:
477 ft.

Year:	Name:	Type:
1989	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1991	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1992	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1993	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1994	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1995	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1996	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1997	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1998	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
1999	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2000	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2001	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2002	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2003	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2004	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs
2005	QUALITY CARE CLEANERS	Drycleaning Plants, Except Rugs

D22 **QUALITY CARE CLEANERS** **DRYCLEANERS** **S118907401**
NNW **12636-6B POWAY ROAD** **N/A**
< 1/8 **POWAY SAN DIEGO, CA 92064**
0.076 mi.
401 ft. **Site 7 of 11 in cluster D**

Relative: **Higher**
Actual: **477 ft.**

DRYCLEANERS:

Name:	QUALITY CARE CLEANERS
Address:	12636-6B POWAY ROAD
City,State,Zip:	POWAY SAN DIEGO, CA 920640000
EPA Id:	CAL000224936
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/19/2001
Facility Active:	No
Inactive Date:	06/30/2002
Facility Addr2:	Not reported
Owner Name:	CARLOS BARRADAS
Owner Address:	12636-6B POWAY ROAD
Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	CARLOS BARRADAS
Contact Address:	12636-6B POWAY ROAD
Contact Address 2:	Not reported
Contact Telephone:	8584862393
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	12636-6B POWAY ROAD
Mailing Address 2:	Not reported
Mailing City:	POWAY SAN DIEGO
Mailing State:	CA
Mailing Zip:	920640000
Owner Fax:	Not reported
Region Code:	4
Latitude:	32.953724
Longitude:	-117.057746

D23 **QUALITY CARE CLEANERS** **DRYCLEANERS** **S118907400**
NNW **12636-6B POWAY ROAD** **HWTS** **N/A**
< 1/8 **POWAY SAN DIEGO, CA 92064**
0.076 mi.
401 ft. **Site 8 of 11 in cluster D**

Relative: **Higher**
Actual: **477 ft.**

DRYCLEANERS:

Name:	QUALITY CARE CLEANERS
Address:	12636-6B POWAY ROAD
City,State,Zip:	POWAY SAN DIEGO, CA 920640000
EPA Id:	CAL000025786
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	05/10/1990
Facility Active:	No
Inactive Date:	06/30/2001
Facility Addr2:	Not reported
Owner Name:	FOROUG & FEREIDOUN RAHNAMA
Owner Address:	--

QUALITY CARE CLEANERS (Continued) **S118907400**

Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	FOROUG & FEREIDOUN RON
Contact Address:	--
Contact Address 2:	Not reported
Contact Telephone:	--
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	12636-6 B POWAY RD
Mailing Address 2:	Not reported
Mailing City:	POWAY
Mailing State:	CA
Mailing Zip:	920640000
Owner Fax:	Not reported
Region Code:	4
Latitude:	32.954206
Longitude:	-117.057242

HWTS:

Name:	QUALITY CARE CLEANERS
Address:	12636-6B POWAY ROAD
Address 2:	Not reported
City,State,Zip:	POWAY SAN DIEGO, CA 920640000
EPA ID:	CAL000224936
Inactive Date:	06/30/2002
Create Date:	07/19/2001
Last Act Date:	04/24/2003
Mailing Name:	Not reported
Mailing Address:	12636-6B POWAY ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY SAN DIEGO, CA 920640000
Owner Name:	CARLOS BARRADAS
Owner Address:	12636-6B POWAY ROAD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY SAN DIEGO, CA 920640000
Contact Name:	CARLOS BARRADAS
Contact Address:	12636-6B POWAY ROAD
Contact Address 2:	Not reported
City,State,Zip:	POWAY SAN DIEGO, CA 920640000

NAICS:

EPA ID:	CAL000224936
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	2001-07-19 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	QUALITY CARE CLEANERS
Facility Address:	12636-6B POWAY ROAD
Facility Address 2:	Not reported
Facility City:	POWAY SAN DIEGO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920640000

B24 **JEFF HAYINE** **RCRA NonGen / NLR** **1026707980**
South **12641 SOULE ST** **CAC003095974**
< 1/8 **POWAY, CA 92064**
0.077 mi.
405 ft. **Site 3 of 3 in cluster B**

Relative: **Lower**
Actual: **449 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-12-07 00:00:00.0
Handler Name:	JEFF HAYINE	
Handler Address:		12641 SOULE ST
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003095974
Contact Name:		JEFF HAYINE
Contact Address:		12641 SOULE ST
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-871-7608
Contact Fax:		Not reported
Contact Email:		RTRIM@HSABATEMENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12641 SOULE ST
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		JEFF HAYINE
Owner Type:		Other
Operator Name:		JEFF HAYINE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

JEFF HAYINE (Continued) **1026707980**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-12-18 21:41:42.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFF HAYINE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12641 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-871-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JEFF HAYINE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12641 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-871-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

JEFF HAYINE (Continued) **1026707980**

Historic Generators:
- Receive Date: 2020-12-07 00:00:00.0
- Handler Name: JEFF HAYINE
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

D25 **317-490-62** **US BROWNFIELDS** **1016347242**
North **12657 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.078 mi.
411 ft. **Site 9 of 11 in cluster D**

Relative:
Higher

Actual:
476 ft.

US BROWNFIELDS:
- Name: 317-490-62
- Address: 12657 POWAY ROAD
- City,State,Zip: POWAY, CA 92064
- Recipient Name: Poway Redevelopment Agency
- Grant Type: Assessment
- Property Number: 317-490-62
- Parcel size: .53
- Latitude: 32.954551
- Longitude: -117.056681
- HCM Label: -
- Map Scale: -
- Point of Reference: -
- Highlights: -
- Datum: -
- Acres Property ID: 39808
- IC Data Access: -
- Start Date: -
- Redev Completition Date: -
- Completed Date: -
- Acres Cleaned Up: -
- Cleanup Funding: -
- Cleanup Funding Source: -
- Assessment Funding: 992
- Assessment Funding Source: EPA

317-490-62 (Continued) **1016347242**

Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Joseph and Susan Mechling
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-

317-490-62 (Continued) **1016347242**

VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	International Self Defense Centers - Facility observed to consist of one building, and parking areas. Facility observed to be self-defense studio.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

317-490-62 (Continued) **1016347242**

FINDS:
Registry ID: 110038719376

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C26 **13102 RIDGEDALE DR.** **RCRA NonGen / NLR** **1026465663**
WNW **13102 RIDGEDALE DR.** **CAC003070911**
< 1/8 **POWAY, CA 92064**
0.079 mi.
418 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
472 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-06-15 00:00:00.0
Handler Name:	13102 RIDGEDALE DR.	
Handler Address:		13102 RIDGEDALE DR.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003070911
Contact Name:		TAELAR MATURANI
Contact Address:		6398 DEL CERRO BLVD.
Contact City,State,Zip:		SAN DIEGO, CA 92120
Contact Telephone:		619-770-9457
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		6398 DEL CERRO BLVD.
Mailing City,State,Zip:		SAN DIEGO, CA 92120
Owner Name:		FBS PROPERTY MGMT.
Owner Type:		Other
Operator Name:		TAELAR MATURANI
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

13102 RIDGEDALE DR. (Continued) **1026465663**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-07-10 18:44:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TAELAR MATURANI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6398 DEL CERRO BLVD.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92120
Owner/Operator Telephone:	619-770-9457
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

13102 RIDGEDALE DR. (Continued) **1026465663**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FBS PROPERTY MGMT.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6398 DEL CERRO BLVD.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92120
Owner/Operator Telephone:	619-770-9457
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-06-15 00:00:00.0
Handler Name: 13102 RIDGEDALE DR.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C27 **317-460-09** **US BROWNFIELDS** **1016347214**
WNW **13102 RIDGEDALE DRIVE** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064** **ECHO**
0.079 mi.
418 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
472 ft.

US BROWNFIELDS:

Name:	317-460-09
Address:	13102 RIDGEDALE DRIVE
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-460-09
Parcel size:	.27
Latitude:	32.95331
Longitude:	-117.058781
HCM Label:	-
Map Scale:	-
Point of Reference:	-

317-460-09 (Continued) **1016347214**

Highlights:	-
Datum:	-
Acres Property ID:	39775
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Snider Property No. 2, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N

317-460-09 (Continued) **1016347214**

Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported

317-460-09 (Continued) **1016347214**

Property Description: Single-family residence - Facility observed to consist of one single-family residence, driveway, and yard.
Below Poverty Number: 238
Below Poverty Percent: 4.4
Meidan Income: 3480
Meidan Income Number: 1090
Meidan Income Percent: 20.14
Vacant Housing Number: 152
Vacant Housing Percent: 7.79
Unemployed Number: 256
Unemployed Percent: 4.73

FINDS:
Registry ID: 110070860729

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038719045

Click Here:

Environmental Interest/Information System:
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016347214
Registry ID: 110070860729
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070860729
Name: 13102 RIDGEDALE DR.
Address: 13102 RIDGEDALE DR.
City,State,Zip: POWAY, CA 92064

D28 **POWAY FORD USED CAR FACILITY** **RCRA-SQG** **1001023173**
North **12665 POWAY RD** **US BROWNFIELDS** **CAR000005314**
< 1/8 **POWAY, CA 92064** **San Diego Co. HMMD**
0.080 mi. **FINDS**
422 ft. **Site 10 of 11 in cluster D** **ECHO**
HAZNET
Relative: Higher **HWTS**

Actual: 477 ft.

RCRA-SQG:
Date Form Received by Agency: 1995-08-28 00:00:00.0
Handler Name: POWAY FORD USED CAR FACILITY
Handler Address: 12665 POWAY RD
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAR000005314
Contact Name: FRANK PINCELLI

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

Contact Address:	12740 POWAY RD
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	619-748-1400
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	KENNETH HIETT
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:30:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KENNETH HIETT
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12703 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-679-9127
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1995-08-28 00:00:00.0
Handler Name:	POWAY FORD USED CAR FACILITY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

Evaluation Action Summary:
Evaluations: No Evaluations Found

US BROWNFIELDS:

Name:	317-490-14
Address:	12665 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-14
Parcel size:	.93
Latitude:	32.955039
Longitude:	-117.055993
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39796
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Falk Trust 08-05-2002
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Perry Ford Auto Center - Facility observed to consist of one building, and parking areas. Facility observed to be auto sales and repair facility.
Below Poverty Number:	261
Below Poverty Percent:	4.44
Meidan Income:	9043
Meidan Income Number:	1159
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.26
Unemployed Number:	276
Unemployed Percent:	4.69

HMMD SAN DIEGO:

Name:	POWAY FORD USED CARS
Address:	12665 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	134795
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	317-490-14-00
Last HMMD Inspection:	06/05/1995
Facility Telephone:	858-748-1400
Permit Status:	INAC
Permit Expiration:	09/30/1995
Date Last Updated:	11/02/2012
Facility Owner:	POWAY FORD USED CARS
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

FINDS:
Registry ID: 110002907739

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038719250

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001023173
Registry ID: 110002907739
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002907739
Name: POWAY FORD USED CAR FACILITY
Address: 12665 POWAY RD
City,State,Zip: POWAY, CA 92064

HAZNET:
Name: POWAY FORD USED CAR FACILITY
Address: 12665 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 920640000
Contact: KENNETH HIETT
Telephone: 6197481400
Mailing Name: Not reported
Mailing Address: 12740 POWAY RD

Year: 1995
Gepaid: CAR000005314
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.231

Additional Info:
Year: 1995
Gen EPA ID: CAR000005314

Shipment Date: 19951106
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951106

POWAY FORD USED CAR FACILITY (Continued) **1001023173**

Manifest ID:	95488993
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	POWAY FORD USED CAR FACILITY
Address:	12665 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAR000005314
Inactive Date:	06/30/1998
Create Date:	12/08/1995
Last Act Date:	07/06/2010
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920644404
Owner Name:	KENNETH HIETT
Owner Address:	12703 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	KENNETH HIETT
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	- BATCH 4/27
City,State,Zip:	POWAY, CA 920640000

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29 **LEE, TERRI** **RCRA NonGen / NLR** **1024777534**
SSE **12718 SOULE ST.** **CAC002997476**
< 1/8 **POWAY, CA 92064**
0.090 mi.
474 ft.

Relative:
Lower

Actual:
449 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-01-21 00:00:00.0
Handler Name:	LEE, TERRI	
Handler Address:		12718 SOULE ST.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002997476
Contact Name:		LEE, TERRI
Contact Address:		12718 SOULE ST.

LEE, TERRI (Continued) **1024777534**

Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-335-8499
Contact Fax:	Not reported
Contact Email:	MAKENZIEY@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12718 SOULE ST.
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	LEE, TERRI
Owner Type:	Other
Operator Name:	LEE, TERRI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

LEE, TERRI (Continued) **1024777534**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-02-22 19:40:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEE, TERRI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12718 SOULE ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-8499
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LEE, TERRI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12718 SOULE ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-8499
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-01-21 00:00:00.0
Handler Name: LEE, TERRI	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

LEE, TERRI (Continued) **1024777534**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E30 **317-490-47** **US BROWNFIELDS** **1016347235**
NNE **12709 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.092 mi.
484 ft. **Site 1 of 4 in cluster E**

Relative: **Higher**
Actual: **486 ft.**

US BROWNFIELDS:
Name: 317-490-47
Address: 12709 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-47
Parcel size: .4
Latitude: 32.954838
Longitude: -117.055337
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 39800
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: Phase I Environmental Assessment
Accomplishment Count: Y
Cooperative Agreement Number: 96914701
Start Date: 06/26/2006

317-490-47 (Continued) **1016347235**

Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Pamaha, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

317-490-47 (Continued) **1016347235**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The Labor Finders - Facility observed to consist of one 2-story office building, and parking areas.
Below Poverty Number:	261
Below Poverty Percent:	4.38
Meidan Income:	9043
Meidan Income Number:	1171
Meidan Income Percent:	19.66
Vacant Housing Number:	154
Vacant Housing Percent:	7.1
Unemployed Number:	283
Unemployed Percent:	4.75

FINDS:
Registry ID: 110038719296

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

317-490-47 (Continued) **1016347235**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D31 **317-490-77, -78, -79, -80, -81, -82, -83** **US BROWNFIELDS** **1014933039**
NNW **12600 BLOCK OF POWAY ROAD (EVENS)** **N/A**
< 1/8 **POWAY, CA 92064**
0.095 mi.
499 ft. **Site 11 of 11 in cluster D**

Relative:
Higher

Actual:
479 ft.

US BROWNFIELDS:

Name:	317-490-77, -78, -79, -80, -81, -82, -83
Address:	12600 BLOCK OF POWAY ROAD (EVENS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-77, -78, -79, -80, -81, -82, -83
Parcel size:	10
Latitude:	32.954432
Longitude:	-117.057254
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39686
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Westcore Poway Plaza, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-

317-490-77, -78, -79, -80, -81, -82, -83 (Continued) **1014933039**

IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-

317-490-77, -78, -79, -80, -81, -82, -83 (Continued) **1014933039**

SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Poway Crossing - Facility observed to consist of six buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	261
Below Poverty Percent:	4.48
Meidan Income:	9043
Meidan Income Number:	1149
Meidan Income Percent:	19.73
Vacant Housing Number:	155
Vacant Housing Percent:	7.34
Unemployed Number:	272
Unemployed Percent:	4.67

32
ESE
< 1/8
0.095 mi.
502 ft.

DAUER, DAVID & ANGEL
12737 LA VISTA WAY
POWAY, CA 92064

RCRA NonGen / NLR **1024756760**
CAC002976592

Relative:
Lower

Actual:
465 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-08-20 00:00:00.0
Handler Name:	DAUER, DAVID & ANGEL	
Handler Address:		12737 LA VISTA WAY
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002976592
Contact Name:		DAUER, DAVID & ANGELA
Contact Address:		12737 LA VISTA WAY
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		707-479-8889
Contact Fax:		Not reported
Contact Email:		VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

DAUER, DAVID & ANGEL (Continued) **1024756760**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12737 LA VISTA WAY
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	DAUER, DAVID & ANGELA
Owner Type:	Other
Operator Name:	DAUER, DAVID & ANGELA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:39:23.0

DAUER, DAVID & ANGEL (Continued) **1024756760**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAUER, DAVID & ANGELA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12737 LA VISTA WAY
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	707-479-8489
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAUER, DAVID & ANGELA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12737 LA VISTA WAY
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	707-479-8889
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-08-20 00:00:00.0
Handler Name: DAUER, DAVID & ANGEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

DAUER, DAVID & ANGEL (Continued) **1024756760**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F33 **317-540-20** **US BROWNFIELDS** **1016346520**
WNW **12538 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.097 mi.
514 ft. **Site 1 of 2 in cluster F**

Relative: US BROWNFIELDS:
Higher

Actual:
472 ft.

Name:	317-540-20
Address:	12538 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-20
Parcel size:	.56
Latitude:	32.952874
Longitude:	-117.059254
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39696
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Snider Property No. 1, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-540-20 (Continued) **1016346520**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-540-20 (Continued) **1016346520**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Norm s RV - Facility observed to consist of parking lot filled with a few dozen recreational vehicles. Facility observed to be RV sales facility.
Below Poverty Number:	238
Below Poverty Percent:	4.4
Meidan Income:	3480
Meidan Income Number:	1090
Meidan Income Percent:	20.14
Vacant Housing Number:	152
Vacant Housing Percent:	7.79
Unemployed Number:	256
Unemployed Percent:	4.73

FINDS:
Registry ID: 110038708789

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G34 **RICE, WILLIAM** **RCRA NonGen / NLR** **1026470490**
NW **13139 RIDGEDALE DRIVE** **CAC003076024**
< 1/8 **POWAY, CA 92064**
0.113 mi.
597 ft. **Site 1 of 3 in cluster G**

Relative: **Higher**
Actual: **481 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-07-23 00:00:00.0
Handler Name:	RICE, WILLIAM	
Handler Address:		13139 RIDGEDALE DRIVE
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003076024
Contact Name:		RICE, WILLIAM
Contact Address:		13139 RIDGEDALE DRIVE
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-933-7734
Contact Fax:		Not reported
Contact Email:		VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		13139 RIDGEDALE DRIVE
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		RICE, WILLIAM
Owner Type:		Other
Operator Name:		RICE, WILLIAM
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

RICE, WILLIAM (Continued) **1026470490**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-08-14 15:09:28.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RICE, WILLIAM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13139 RIDGEDALE DRIVE
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-933-7734
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RICE, WILLIAM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13139 RIDGEDALE DRIVE
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-933-7734
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

RICE, WILLIAM (Continued) **1026470490**

Historic Generators:
Receive Date: 2020-07-23 00:00:00.0
Handler Name: RICE, WILLIAM
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H35 **JOE N.T. NGUYEN, DDS** **San Diego Co. HMMD** **S106066141**
West **12511 POWAY RD B** **CERS HAZ WASTE** **N/A**
< 1/8 **POWAY, CA 92064** **CERS**
0.119 mi.
627 ft. **Site 1 of 4 in cluster H**

Relative:
Lower

Actual:
464 ft.

HMMD SAN DIEGO:
Name: JOE N.T. NGUYEN, DDS
Address: 12511 POWAY RD B
City,State,Zip: POWAY, CA 92064-4304
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: Not reported
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-486-2000
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 02/08/2020
Facility Owner: Not reported
Facility Mailing Address: 12511 POWAY RD #B, POWAY, CA 92064-4304
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Inspection Violation:

Record ID:	DEH2002-HUPFP-150139
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-150139
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4519469
Return To Compliance Date:	2016-10-04T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-02-08T00:00:00.000
Inspection Date:	2015-05-18T00:00:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).

Record ID:	DEH2002-HUPFP-150139
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-150139
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4519469
Return To Compliance Date:	2016-10-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-02-08T00:00:00.000
Inspection Date:	2015-05-18T00:00:00.000
Violation Code:	HMD4303 Did not retain on file disposal receipts/tracking documents for medical waste shipped offsite for 2 years. 117945(b)

Record ID:	DEH2002-HUPFP-150139
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-150139
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4519469
Return To Compliance Date:	2016-10-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-02-08T00:00:00.000
Inspection Date:	2015-05-18T00:00:00.000
Violation Code:	HMD4204 MW designated accumulation area not posted with an approved, legible biohazardous waste "warning sign" in English & Spanish which can be read from 25 ft. 118310

Record ID:	DEH2002-HUPFP-150139
Permit Status:	Permit Renewed
Active Permit:	Y

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Facility Id Number:	37-000-150139
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4519469
Return To Compliance Date:	2016-10-04T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-02-08T00:00:00.000
Inspection Date:	2015-05-18T00:00:00.000
Violation Code:	3050003 Failure of the universal waste handler to transfer universal waste to the appropriate designation facility. 22 CCR 23 66273.31(a).

Waste and Materials:

Record ID:	DEH2002-HUPFP-150139
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0097181
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-08T02:33:45.000
Chemical Name:	Waste Sharps
Common Name:	Waste Sharps, Isolyzer
Case Number:	Not reported

Name:	JOE N.T. NGUYEN, DDS
Address:	12511 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	150139
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	317-540-63-00
Last HMMD Inspection:	09/14/2011
Facility Telephone:	858-486-2000
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	JOE N.T. NGUYEN, DDS
Facility Mailing Address:	12511 POWAY RD #B
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4304
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inventory Active Permits (SQG Medical):

Permit Number:	150139
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Other Information: ISOLYSER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 150139
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

Permit Number: 150139
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Permit Number: 150139
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Permit Number: 150139
Update Date: 11/02/2012
Inspection Date: 11/06/2007
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

CERS HAZ WASTE:
Name: JOE N.T. NGUYEN, DDS
Address: 12511 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 40145
CERS ID: 10374235
CERS Description: Hazardous Waste Generator

CERS:
Name: JOE N.T. NGUYEN, DDS
Address: 12511 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 40145

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

CERS ID: 10374235
CERS Description: Chemical Storage Facilities

Coordinates:
Site ID: 40145
Facility Name: JOE N.T. NGUYEN, DDS
Env Int Type Code: HWG
Program ID: 10374235
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 32.951750
Longitude: -117.059560

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: JOE N.T. NGUYEN, DDS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12511 POWAY RD #B
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064-4304
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: JOE N.T. NGUYEN, DDS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 486-2000

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880

Affiliation Type Desc: Legal Owner
Entity Name: FRAZEE POWAY PROPERTIES LTD
Entity Title: Not reported

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Affiliation Address:	1005 ROSECRANS ST 202
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 225-1740
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joe Nguyen
Entity Title:	Not reported
Affiliation Address:	12511 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

H36 **SHERIN WILLIAMS #1538** **RCRA NonGen / NLR** **1024844058**
West **12511 POWAY RD** **CAL000396110**
< 1/8 **POWAY, CA 92064**
0.119 mi.
627 ft. **Site 2 of 4 in cluster H**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		2014-04-23 00:00:00.0
Actual: Handler Name:	SHERIN WILLIAMS #1538	
464 ft. Handler Address:		12511 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAL000396110
Contact Name:		CAROL F. DOE
Contact Address:		101 PROSPECT AVE NW
Contact City,State,Zip:		CLEVELAND, OH 44115
Contact Telephone:		216-566-1710
Contact Fax:		Not reported
Contact Email:		CAROL.F.DOE@SHERWIN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		101 W PROSPECT AVE
Mailing City,State,Zip:		CLEVELAND, OH 44115-1027
Owner Name:		THE SHERWIN WILLIAMS COMPANY
Owner Type:		Other
Operator Name:		CAROL F. DOE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

SHERIN WILLIAMS #1538 (Continued) **1024844058**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:04:17.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE SHERWIN WILLIAMS COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

SHERIN WILLIAMS #1538 (Continued) **1024844058**

Owner/Operator Address: 101 W PROSPECT AVE
Owner/Operator City,State,Zip: CLEVELAND, OH 44115-1027
Owner/Operator Telephone: 216-566-1710
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CAROL F. DOE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 101 PROSPECT AVE NW
Owner/Operator City,State,Zip: CLEVELAND, OH 44115
Owner/Operator Telephone: 216-566-1710
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2014-04-23 00:00:00.0
Handler Name: SHERIN WILLIAMS #1538
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44419
NAICS Description: OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H37 **317-540-63** **US BROWNFIELDS** **1016346527**
West **12511 POWAY ROAD** **FINDS** **N/A**
< 1/8 **POWAY, CA 92064**
0.119 mi.
627 ft. **Site 3 of 4 in cluster H**

Relative: **Lower**
Actual: **464 ft.**

US BROWNFIELDS:
Name: 317-540-63
Address: 12511 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment

317-540-63 (Continued) **1016346527**

Property Number:	317-540-63
Parcel size:	.68
Latitude:	32.95253
Longitude:	-117.059289
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39704
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Frazee Poway Properties, LTD
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N

317-540-63 (Continued) **1016346527**

Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-

317-540-63 (Continued) **1016346527**

Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Frazee Center - Facility observed to consist of one building, and parking areas. Facility observed to consist of small shopping center. Two 55-gallon drums observed in fenced enclosure in rear of Frazee Paint business.
Below Poverty Number:	206
Below Poverty Percent:	4.31
Meidan Income:	4692
Meidan Income Number:	983
Meidan Income Percent:	20.59
Vacant Housing Number:	147
Vacant Housing Percent:	8.39
Unemployed Number:	221
Unemployed Percent:	4.63

FINDS:
Registry ID: 110038708903

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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38 **LINDSEY OKEEFE** **RCRA NonGen / NLR** **1025838400**
South **12711 TUSTIN ST.** **CAC003017996**
< 1/8 **POWAY, CA 92064**
0.120 mi.
636 ft.

Relative:
Lower

Actual:
456 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-06-04 00:00:00.0
Handler Name:	LINDSEY OKEEFE	
Handler Address:		12711 TUSTIN ST.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003017996
Contact Name:		LINDSEY OKEEFE
Contact Address:		12711 TUSTIN ST.
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		760-331-7229
Contact Fax:		Not reported
Contact Email:		SDABATEMENT@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

LINDSEY OKEEFE (Continued) **1025838400**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12711 TUSTIN ST.
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	LINDSEY OKEEFE
Owner Type:	Other
Operator Name:	LINDSEY OKEEFE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-27 14:19:27.0

LINDSEY OKEEFE (Continued) **1025838400**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LINDSEY OKEEFE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12711 TUSTIN ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-331-7229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LINDSEY OKEEFE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12711 TUSTIN ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-331-7229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-06-04 00:00:00.0
Handler Name: LINDSEY OKEEFE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

LINDSEY OKEEFE (Continued) **1025838400**

Evaluation Action Summary:
Evaluations: No Evaluations Found

E39 **317-490-48** **US BROWNFIELDS** **1016347236**
NNE **12711 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.125 mi.
662 ft. **Site 2 of 4 in cluster E**

Relative: **Higher**

Actual: **483 ft.**

US BROWNFIELDS:

Name:	317-490-48
Address:	12711 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-48
Parcel size:	.4
Latitude:	32.955229
Longitude:	-117.055668
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39801
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Greg R. Velasquez, Que Pasa Family Trust 08-12-99
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-490-48 (Continued) **1016347236**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-490-48 (Continued) **1016347236**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Aiberto s Taco Shop - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Below Poverty Number:	261
Below Poverty Percent:	4.38
Meidan Income:	9043
Meidan Income Number:	1171
Meidan Income Percent:	19.66
Vacant Housing Number:	154
Vacant Housing Percent:	7.1
Unemployed Number:	283
Unemployed Percent:	4.75

FINDS:
Registry ID: 110038719303

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G40 **DOLLAR TREE #05041** **RCRA NonGen / NLR** **1024835549**
NNW **12624 POWAY RD STE 2** **CAL000377748**
1/8-1/4 **POWAY, CA 92064**
0.125 mi.
662 ft. **Site 2 of 3 in cluster G**

Relative: **Higher**

Actual: **484 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2012-08-29 00:00:00.0
Handler Name:	DOLLAR TREE #05041	
Handler Address:		12624 POWAY RD STE 2
Handler City,State,Zip:		POWAY, CA 92064-4440
EPA ID:		CAL000377748
Contact Name:		ANGELA JONES
Contact Address:		500 VOLVO PKWY
Contact City,State,Zip:		CHESAPEAKE, VA 23320-1604
Contact Telephone:		757-321-5761
Contact Fax:		757-321-5160
Contact Email:		AJONES@DOLLARTREE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		500 VOLVO PKWY
Mailing City,State,Zip:		CHESAPEAKE, VA 23320-1604
Owner Name:		DOLLAR TREE STORES, INC.
Owner Type:		Other
Operator Name:		ANGELA JONES
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

DOLLAR TREE #05041 (Continued) **1024835549**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:01:16.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DOLLAR TREE STORES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	500 VOLVO PKWY
Owner/Operator City,State,Zip:	CHESAPEAKE, VA 23320-1604
Owner/Operator Telephone:	757-321-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANGELA JONES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	500 VOLVO PKWY
Owner/Operator City,State,Zip:	CHESAPEAKE, VA 23320-1604
Owner/Operator Telephone:	757-321-5761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DOLLAR TREE #05041 (Continued) **1024835549**

Historic Generators:
Receive Date: 2012-08-29 00:00:00.0
Handler Name: DOLLAR TREE #05041
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G41 **DOLLAR TREE #05041** **San Diego Co. HMMD** **S106068891**
NNW **12624 POWAY RD STE 2** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **HAZNET**
0.125 mi. **CERS**
662 ft. **Site 3 of 3 in cluster G** **HWTS**

Relative: Higher

Actual: 484 ft.

HMMD SAN DIEGO:
Name: DOLLAR TREE #05041
Address: 12624 POWAY RD 2
City,State,Zip: POWAY, CA 92064-4440
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000377748
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-486-2571
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 10/07/2020
Facility Owner: Not reported
Facility Mailing Address: 500 Volvo Parkway, Chesapeake, VA 23320
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Inspection Violation:

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-000719
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5962437
Return To Compliance Date:	2018-11-05T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-10-07T17:21:07.000
Inspection Date:	2018-10-05T19:31:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Waste and Materials:

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0115999
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-11-02T02:32:52.000
Chemical Name:	Helium
Common Name:	Helium
Case Number:	7440-59-7

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0097125
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-11-02T02:32:52.000
Chemical Name:	Consumer Commodities
Common Name:	Acidic Liquids, Corrosive
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0097126
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-11-02T02:32:52.000
Chemical Name:	Consumer Commodities
Common Name:	Aerosols
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed

DOLLAR TREE #05041 (Continued) **S106068891**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0097127
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Basic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097128
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Consumer Electronics for Recycling
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097129
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Flammable Compressed Gas
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097130
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097131
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Flammable Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097132

DOLLAR TREE #05041 (Continued) **S106068891**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Lighters
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097133
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Oxidizing Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097134
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Products Containing Lead
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097135
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: State Regulated Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097136
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: State Regulated Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097137
Trade Secret: N
Hazardous Material Type: Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Toxic Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097138
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Toxic Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097139
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Universal Batteries
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097140
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Universal Batts Auto
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0097141
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-02T02:32:52.000
Chemical Name: Consumer Commodities
Common Name: Universal Fluorescent Lamps
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178923
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Helium

DOLLAR TREE #05041 (Continued) **S106068891**

Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153418
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste Flammable Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136206
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114503
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste Acidic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114504
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114505
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste Basic Liquids, Corrosive
Case Number: Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0114506
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-14T02:34:50.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Flammable Liquids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0114507
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-14T02:34:50.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Flammable Solids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0114508
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-14T02:34:50.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Lighters
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0114509
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-14T02:34:50.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Oxidizing Liquids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0114510
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-11-14T02:34:50.000
Chemical Name:	Consumer Commodities
Common Name:	Waste State Regulated Liquids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed

DOLLAR TREE #05041 (Continued) **S106068891**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0114511
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste State Regulated Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114512
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste Toxic Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114513
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-14T02:34:50.000
Chemical Name: Consumer Commodities
Common Name: Waste Toxic Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0277066
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244933
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Acidic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244934

DOLLAR TREE #05041 (Continued) **S106068891**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244935
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Basic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244936
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244937
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Flammable Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244938
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Oxidizing Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244939
Trade Secret: N
Hazardous Material Type: Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste State Regulated Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244940
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste State Regulated Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244941
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Toxic Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244942
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-07T17:21:11.000
Chemical Name: Consumer Commodities
Common Name: Waste Toxic Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153414
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste Acidic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153415
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities

DOLLAR TREE #05041 (Continued) **S106068891**

Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153416
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste Basic Liquids, Corrosive
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153417
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153419
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste Oxidizing Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153420
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste State Regulated Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0153421
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-29T03:08:05.000
Chemical Name: Consumer Commodities
Common Name: Waste State Regulated Solids
Case Number: Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0153422
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-07-29T03:08:05.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Toxic Liquids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0153423
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-07-29T03:08:05.000
Chemical Name:	Consumer Commodities
Common Name:	Waste Toxic Solids
Case Number:	Not reported

Name:	DR JOLENE ZIN DDS
Address:	12624 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	154182
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	317-490-80-00
Last HMMD Inspection:	12/20/2007
Facility Telephone:	858-486-5458
Permit Status:	INAC
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	JOLENE N. ZIN
Facility Mailing Address:	12624 POWAY RD #10
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	154182
Update Date:	11/02/2012
Inspection Date:	12/20/2004
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

DOLLAR TREE #05041 (Continued) **S106068891**

Permit Number: 154182
Update Date: 11/02/2012
Inspection Date: 12/20/2007
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: Inactive Permit

CERS HAZ WASTE:
Name: DOLLAR TREE #05041
Address: 12624 POWAY RD STE 2
City,State,Zip: POWAY, CA 92064
Site ID: 25928
CERS ID: 10175981
CERS Description: Hazardous Waste Generator

HAZNET:
Name: DOLLAR TREE #05041
Address: 12624 POWAY RD STE 2
Address 2: Not reported
City,State,Zip: POWAY, CA 233201604
Contact: ANGELA JONES
Telephone: 7573215761
Mailing Name: Not reported
Mailing Address: 500 VOLVO PKWY

Year: 2019
Gepaid: CAL000377748
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00300

Year: 2019
Gepaid: CAL000377748
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01950

Year: 2018
Gepaid: CAL000377748
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00050

Year: 2018
Gepaid: CAL000377748
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics

DOLLAR TREE #05041 (Continued) **S106068891**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2018
Gepaid:	CAL000377748
TSD EPA ID:	NVD980895338
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00100
Year:	2017
Gepaid:	CAL000377748
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Year:	2017
Gepaid:	CAL000377748
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0315
Year:	2017
Gepaid:	CAL000377748
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.013
Year:	2016
Gepaid:	CAL000377748
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0035
Year:	2016
Gepaid:	CAL000377748
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045

Click this hyperlink while viewing on your computer to access
20 additional CA HAZNET: record(s) in the EDR Site Report.

DOLLAR TREE #05041 (Continued) **S106068891**

Additional Info:

Year:	2017
Gen EPA ID:	CAL000377748
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171128
Manifest ID:	011315942FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171128
Manifest ID:	011315942FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	5/21/2018 18:32:48
Receipt Date:	20170802

DOLLAR TREE #05041 (Continued) **S106068891**

Manifest ID:	010676126FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170216
Creation Date:	4/10/2017 18:30:14
Receipt Date:	20170221
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

DOLLAR TREE #05041 (Continued) **S106068891**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170216
Creation Date:	4/10/2017 18:30:14
Receipt Date:	20170221
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170216
Creation Date:	4/10/2017 18:30:14
Receipt Date:	20170221
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015

DOLLAR TREE #05041 (Continued) **S106068891**

Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170216
Creation Date:	4/10/2017 18:30:14
Receipt Date:	20170221
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0185
Waste Quantity:	37
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Shipment Date:	20170216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009253826FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000377748
Shipment Date:	20141118
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141118
Creation Date:	Not reported
Receipt Date:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0735
Waste Quantity:	147
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

DOLLAR TREE #05041 (Continued) **S106068891**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141118
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141118
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001

DOLLAR TREE #05041 (Continued) **S106068891**

Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141118
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141215
Manifest ID:	007328805FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141118
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328806FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Shipment Date:	20140522
Creation Date:	4/23/2015 9:06:41
Receipt Date:	20140609
Manifest ID:	006404679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0355
Waste Quantity:	71
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140522
Creation Date:	4/23/2015 9:06:41
Receipt Date:	20140609
Manifest ID:	006404679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000377748

Shipment Date:	20130909
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130918

DOLLAR TREE #05041 (Continued) **S106068891**

Manifest ID:	005828481FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130909
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130918
Manifest ID:	005828481FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130909
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130918
Manifest ID:	005828481FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130909
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130918
Manifest ID:	005828481FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000377748
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

DOLLAR TREE #05041 (Continued) **S106068891**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE

DOLLAR TREE #05041 (Continued) **S106068891**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150601
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150601
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150601
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

DOLLAR TREE #05041 (Continued) **S106068891**

Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000377748
Shipment Date:	20151118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P

DOLLAR TREE #05041 (Continued) **S106068891**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118

DOLLAR TREE #05041 (Continued) **S106068891**

Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151124
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151118
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008677019FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150526
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP

DOLLAR TREE #05041 (Continued) **S106068891**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	76
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150601
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

DOLLAR TREE #05041 (Continued) **S106068891**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150601
Manifest ID:	008435556FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	DOLLAR TREE #05041
Address:	12624 POWAY RD STE 2
City,State,Zip:	POWAY, CA 92064
Site ID:	25928
CERS ID:	10175981
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	25928
Site Name:	Dollar Tree #05041
Violation Date:	10-05-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/05/2018. Inspection Sequence ID:5962437
Violation Division:	San Diego County Department of Env Health

DOLLAR TREE #05041 (Continued) **S106068891**

Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5495749
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5495749
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Schiess Romina Inspection ID:5106408
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Schiess Romina Inspection ID:5106408
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5962437
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5962437
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

DOLLAR TREE #05041 (Continued) **S106068891**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Stephanie Caiati
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Jose Figueroa
Entity Title:	EH&S Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	JOSE FIGUEROA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	United States
Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5000

Affiliation Type Desc:	Operator
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

DOLLAR TREE #05041 (Continued) **S106068891**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (757) 321-5000

Affiliation Type Desc: Parent Corporation
Entity Name: Dollar Tree Stores, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880

Affiliation Type Desc: Property Owner
Entity Name: Poway Crossing Investors, LLC c/oGreenstreet Real Estate Partners, L.P.
Entity Title: Not reported
Affiliation Address: 2601 South Bayshore Drive, Suite 900
Affiliation City: Coconut Grove
Affiliation State: FL
Affiliation Country: United States
Affiliation Zip: 33133
Affiliation Phone: (786) 464-8300

HWTS:
Name: DOLLAR TREE #05041
Address: 12624 POWAY RD STE 2
Address 2: Not reported
City,State,Zip: POWAY, CA 920644440
EPA ID: CAL000377748
Inactive Date: Not reported
Create Date: 08/29/2012
Last Act Date: 09/07/2020
Mailing Name: Not reported
Mailing Address: 500 VOLVO PKWY
Mailing Address 2: Not reported
Mailing City,State,Zip: CHESAPEAKE, VA 233201604
Owner Name: DOLLAR TREE STORES, INC.
Owner Address: 500 VOLVO PKWY
Owner Address 2: Not reported
Owner City,State,Zip: CHESAPEAKE, VA 233201604
Contact Name: JESSICA DUBUQUE
Contact Address: 500 VOLVO PKWY
Contact Address 2: Not reported
City,State,Zip: CHESAPEAKE, VA 233201604

DOLLAR TREE #05041 (Continued) **S106068891**

NAICS:

EPA ID:	CAL000377748
Create Date:	2012-08-29 11:30:07.143
NAICS Code:	45299
NAICS Description:	All Other General Merchandise Stores
Issued EPA ID Date:	2012-08-29 11:30:07.11300
Inactive Date:	Not reported
Facility Name:	DOLLAR TREE #05041
Facility Address:	12624 POWAY RD STE 2
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644440

I42 **MIDAS POWAY** **AST** **S104755945**
North **12672 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **HAZNET**
0.127 mi. **HWTS**
671 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
479 ft.

AST:

Name:	MIDAS MUFFLER
Address:	12672 POWAY RD
City/Zip:	POWAY,
Certified Unified Program Agencies:	San Diego
Owner:	MIDAS INTERNATIONAL CORP
Total Gallons:	2330
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Name:	TIRES AND MAINTENANCE PLUS
Address:	12672 POWAY RD

MIDAS POWAY (Continued) **S104755945**

City,State,Zip:	POWAY, CA 92064
Permit Number:	137083
Business Type:	6HK26
EPA Id Number:	CAL000139266
APN:	317-490-75-00
Last HMMD Inspection:	07/15/2005
Facility Telephone:	858-486-7558
Permit Status:	INAC
Permit Expiration:	11/30/2007
Date Last Updated:	11/02/2012
Facility Owner:	DAN POLITTE
Facility Mailing Address:	12672 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	Inactive Permit

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit

Name:	MIDAS MUFFLER #77037
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	208312
Business Type:	6HK26

MIDAS POWAY (Continued) **S104755945**

EPA Id Number:	CAL000319047
APN:	317-490-75-00
Last HMMD Inspection:	06/04/2012
Facility Telephone:	858-486-7558
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	MIDAS INTERNATIONAL CORP
Facility Mailing Address:	1300 ARLINGTON HTS RD
Facility Mailing City:	Itasca
Facility Mailing State:	IL
Facility Mailing Zip:	60143
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL; LUBRICATING: MOTOR, ATF
Other Information:	2 X 275 GAL AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL 1 X 220 GAL AST (1 X 110 G)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208312

MIDAS POWAY (Continued) **S104755945**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW

MIDAS POWAY (Continued) **S104755945**

Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE

MIDAS POWAY (Continued) **S104755945**

Name:	TIRES AND MAINTENANCE PLUS
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	137083
Business Type:	6HK26
EPA Id Number:	CAL000139266
APN:	317-490-75-00
Last HMMD Inspection:	07/15/2005
Facility Telephone:	858-486-7558
Permit Status:	INAC
Permit Expiration:	11/30/2007
Date Last Updated:	11/02/2012
Facility Owner:	DAN POLITTE
Facility Mailing Address:	12672 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	Inactive Permit

Permit Number:	137083
Update Date:	11/02/2012
Inspection Date:	01/20/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit

Name:	MIDAS MUFFLER #77037
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064

MIDAS POWAY (Continued) **S104755945**

Permit Number:	208312
Business Type:	6HK26
EPA Id Number:	CAL000319047
APN:	317-490-75-00
Last HMMD Inspection:	06/04/2012
Facility Telephone:	858-486-7558
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	MIDAS INTERNATIONAL CORP
Facility Mailing Address:	1300 ARLINGTON HTS RD
Facility Mailing City:	Itasca
Facility Mailing State:	IL
Facility Mailing Zip:	60143
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL; LUBRICATING: MOTOR, ATF
Other Information:	2 X 275 GAL AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL 1 X 220 GAL AST (1 X 110 G)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

MIDAS POWAY (Continued) **S104755945**

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0230
Violation: FAILED TO MAINTAIN AISLE SPACE
Violation Citation: Failed to maintain aisle space. CFR 265.35
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 06/04/2012
Violation Code: 6HV1013

MIDAS POWAY (Continued) **S104755945**

Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)

MIDAS POWAY (Continued) **S104755945**

Activity: ACTIVE

Name: MIDAS MUFFLER #77037
Address: 12672 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 208312
Business Type: 6HK26
EPA Id Number: CAL000319047
APN: 317-490-75-00
Last HMMD Inspection: 06/04/2012
Facility Telephone: 858-486-7558
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: MIDAS INTERNATIONAL CORP
Facility Mailing Address: 1300 ARLINGTON HTS RD
Facility Mailing City: Itasca
Facility Mailing State: IL
Facility Mailing Zip: 60143
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 208312
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL; LUBRICATING: MOTOR, ATF
Other Information: 2 X 275 GAL AST
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012

MIDAS POWAY (Continued) **S104755945**

Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL 1 X 220 GAL AST (1 X 110 G)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE

MIDAS POWAY (Continued) **S104755945**

Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

MIDAS POWAY (Continued) **S104755945**

Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE

Name:	MIDAS MUFFLER #77037
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	208312
Business Type:	6HK26
EPA Id Number:	CAL000319047
APN:	317-490-75-00
Last HMMD Inspection:	06/04/2012
Facility Telephone:	858-486-7558
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	MIDAS INTERNATIONAL CORP
Facility Mailing Address:	1300 ARLINGTON HTS RD
Facility Mailing City:	Itasca
Facility Mailing State:	IL
Facility Mailing Zip:	60143
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL; LUBRICATING: MOTOR, ATF
Other Information:	2 X 275 GAL AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N

MIDAS POWAY (Continued) **S104755945**

Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL 1 X 220 GAL AST (1 X 110 G)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)

MIDAS POWAY (Continued) **S104755945**

Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010

MIDAS POWAY (Continued) **S104755945**

Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Name:	MIDAS MUFFLER #77037
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	208312
Business Type:	6HK26
EPA Id Number:	CAL000319047
APN:	317-490-75-00
Last HMMD Inspection:	06/04/2012
Facility Telephone:	858-486-7558
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	MIDAS INTERNATIONAL CORP
Facility Mailing Address:	1300 ARLINGTON HTS RD
Facility Mailing City:	Itasca
Facility Mailing State:	IL
Facility Mailing Zip:	60143
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208312
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	208312
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL; LUBRICATING: MOTOR, ATF
Other Information:	2 X 275 GAL AST
Material Waste:	Material

MIDAS POWAY (Continued) **S104755945**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL 1 X 220 GAL AST (1 X 110 G)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 208312
Update Date: 11/02/2012
Inspection Date: 07/12/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

MIDAS POWAY (Continued) **S104755945**

Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	07/12/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	06/04/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED

MIDAS POWAY (Continued) **S104755945**

Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	208312
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE

HAZNET:

Name:	MIDAS POWAY
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
Contact:	DAN DREW
Telephone:	8564867558
Mailing Name:	Not reported
Mailing Address:	12672 POWAY RD
Year:	2019
Gepaid:	CAL000428317
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2019
Gepaid:	CAL000428317
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.80000
Year:	2018
Gepaid:	CAL000428317
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2018

MIDAS POWAY (Continued) **S104755945**

Gepaid:	CAL000428317
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.75000
Year:	2017
Gepaid:	CAC002902744
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075

Additional Info:

Year:	2017
Gen EPA ID:	CAC002902744
Shipment Date:	20170501
Creation Date:	5/30/2018 18:30:45
Receipt Date:	20170510
Manifest ID:	005982169SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIR SVS INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MIDAS POWAY
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAC002902744
Inactive Date:	08/04/2017
Create Date:	03/23/2017
Last Act Date:	08/04/2017
Mailing Name:	Not reported
Mailing Address:	12672 POWAY RD
Mailing Address 2:	Not reported

MIDAS POWAY (Continued) **S104755945**

Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	VICTOR BAGDASAR
Owner Address:	12672 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 92064
Contact Name:	DAN DREW
Contact Address:	12672 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

Name:	MIDAS POWAY
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000381978
Inactive Date:	06/30/2013
Create Date:	01/25/2013
Last Act Date:	03/26/2014
Mailing Name:	Not reported
Mailing Address:	3106 JAMACHA VIEW DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL CAJON, CA 92019
Owner Name:	VB MDS AUTO SERVICES INC
Owner Address:	3106 JAMACHA VIEW DR
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92019
Contact Name:	VICTOR BAGDASAR
Contact Address:	3106 JAMACHA VIEW DR
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92019

NAICS:

EPA ID:	CAL000381978
Create Date:	2013-01-25 16:06:37.547
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2013-01-25 16:06:37.54700
Inactive Date:	2013-06-30 00:00:00
Facility Name:	MIDAS POWAY
Facility Address:	12672 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Name:	MIDAS POWAY
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAC002848792
Inactive Date:	05/14/2016
Create Date:	02/12/2016
Last Act Date:	05/14/2016
Mailing Name:	Not reported
Mailing Address:	12672 POWAY RD
Mailing Address 2:	Not reported

MIDAS POWAY (Continued) **S104755945**

Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	VICTOR BAGDASAR
Owner Address:	12672 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 92064
Contact Name:	VICTOR BAGDASAR
Contact Address:	12672 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAC002848792
Create Date:	2016-02-12 10:42:35.327
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2016-02-12 10:42:35.32700
Inactive Date:	2016-05-14 03:00:23.19000
Facility Name:	MIDAS POWAY
Facility Address:	12672 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Name:	MIDAS POWAY
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000428317
Inactive Date:	06/30/2020
Create Date:	06/08/2017
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	12672 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	VICTOR BAGDASAR
Owner Address:	12672 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 92064
Contact Name:	DAN DREW
Contact Address:	12672 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAL000428317
Create Date:	2017-06-08 13:45:06.263
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2017-06-08 13:45:06.21300
Inactive Date:	2020-06-30 00:00:00
Facility Name:	MIDAS POWAY
Facility Address:	12672 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY

MIDAS POWAY (Continued) **S104755945**

Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

I43 **317-490-75** **US BROWNFIELDS** **1016346561**
North **12672 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.127 mi.
671 ft. **Site 2 of 4 in cluster I**

Relative: **Higher**
Actual: **479 ft.**

US BROWNFIELDS:

Name:	317-490-75
Address:	12672 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-75
Parcel size:	.67
Latitude:	32.955225
Longitude:	-117.056239
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39685
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Robert A. and Joan M. Politte
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-490-75 (Continued) **1016346561**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-490-75 (Continued) **1016346561**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Midas - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be auto repair business with service bays. Possible inground hydraulic lifts observed.
Below Poverty Number:	261
Below Poverty Percent:	4.44
Meidan Income:	9043
Meidan Income Number:	1159
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.26
Unemployed Number:	276
Unemployed Percent:	4.69

FINDS:
Registry ID: 110038709699

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I44 **VB MDS AUTO SERVICES INC.** **CERS HAZ WASTE** **S113076147**
North **12672 POWAY RD** **HAZNET** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS**
0.127 mi. **HWTS**
671 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
479 ft.

CERS HAZ WASTE:
Name: VB MDS AUTO SERVICES INC.
Address: 12672 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 565043
CERS ID: 10374670
CERS Description: Hazardous Waste Generator

HAZNET:
Name: RAJMP INC DBA TIRES & MAINTENANCE PLUS
Address: 12672 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 920644416
Contact: VICTOR ANDERSON DIR. OF OPTNS
Telephone: 6192971667
Mailing Name: Not reported
Mailing Address: 186 POCO CALLE

Year: 2006
Gepaid: CAL000139266
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.0417

Year: 2006
Gepaid: CAL000139266
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04587

Year: 2006
Gepaid: CAL000139266
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.06255

Year: 2006
Gepaid: CAL000139266
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 0.09591

Year: 2005
Gepaid: CAL000139266
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Tons: 0.18765

Year: 2005
Gepaid: CAL000139266
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.15012

Year: 2004
Gepaid: CAL000139266
TSD EPA ID: CAT000613976
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.13344

Year: 2003
Gepaid: CAL000139266
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAL000139266

Shipment Date: 20041221
Creation Date: 3/16/2005 18:31:03
Receipt Date: 20041231
Manifest ID: 23653185
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CAT000613976
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.05004
Waste Quantity: 12
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040816
Creation Date: 1/4/2005 18:33:27
Receipt Date: 20040820
Manifest ID: 23708435
Trans EPA ID: TXR000050930

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040417
Creation Date:	10/14/2004 15:19:37
Receipt Date:	20040422
Manifest ID:	23462590
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000139266

Shipment Date:	20031212
Creation Date:	8/12/2004 8:09:46
Receipt Date:	20031212
Manifest ID:	23339325
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	300
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000139266
Shipment Date:	20061222
Creation Date:	4/19/2007 18:31:38
Receipt Date:	20070104
Manifest ID:	000305613SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04587
Waste Quantity:	11
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061002
Creation Date:	3/30/2007 13:33:25
Receipt Date:	20061011
Manifest ID:	000519963JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060621
Creation Date:	9/17/2006 18:31:37
Receipt Date:	20060703
Manifest ID:	24942794
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060426
Creation Date:	8/24/2006 18:31:31
Receipt Date:	20060509
Manifest ID:	23686498
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Additional Code 5:	Not reported
Shipment Date:	20060315
Creation Date:	12/21/2006 18:30:30
Receipt Date:	20060323
Manifest ID:	24839746
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000139266
Shipment Date:	20051221
Creation Date:	3/22/2006 18:31:37
Receipt Date:	20051229
Manifest ID:	23682242
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051129
Creation Date:	3/22/2006 18:30:36
Receipt Date:	20051207

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Manifest ID:	24477795
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050822
Creation Date:	3/12/2006 18:30:40
Receipt Date:	20050902
Manifest ID:	23670100
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050518
Creation Date:	8/17/2005 18:32:59
Receipt Date:	20050526
Manifest ID:	24010048
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050422
Creation Date:	8/24/2005 7:27:35
Receipt Date:	20050504
Manifest ID:	24491208
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	VB MDS AUTO SERVICES INC.
Address:	12672 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	565043
CERS ID:	10374670
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	565043
Facility Name:	VB MDS Auto Services Inc.
Env Int Type Code:	HMBP
Program ID:	10374670
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.954970
Longitude:	-117.056630

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	VB MDS Auto Services Inc.

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Entity Title:	Not reported
Affiliation Address:	12672 Poway Rd
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(619) 572-0101
Affiliation Type Desc:	Parent Corporation
Entity Name:	DBA: Midas Poway
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12672 Poway Rd
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Deremer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	MIKE THOMAS
Entity Title:	Not reported
Affiliation Address:	12672 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

VB MDS AUTO SERVICES INC. (Continued) **S113076147**

Affiliation Type Desc:	Operator
Entity Name:	Victor Bagdasar
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 486-7558

HWTS:

Name:	RAJMP INC DBA TIRES & MAINTENANCE PLUS
Address:	12672 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920644416
EPA ID:	CAL000139266
Inactive Date:	06/30/2007
Create Date:	06/04/1997
Last Act Date:	05/12/2009
Mailing Name:	GEN MGR
Mailing Address:	186 POCO CALLE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GOLDEN, CO 804010000
Owner Name:	RAJMP INC
Owner Address:	3136 KURTZ ST
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 921100000
Contact Name:	VICTOR ANDERSON DIR. OF OPTNS
Contact Address:	3136 KURTZ ST
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921104425

NAICS:

EPA ID:	CAL000139266
Create Date:	2006-11-16 14:33:30.927
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1997-06-04 00:00:00
Inactive Date:	2007-06-30 00:00:00
Facility Name:	RAJMP INC DBA TIRES & MAINTENANCE PLUS
Facility Address:	12672 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644416

I45 **MIDAS POWAY** **RCRA NonGen / NLR** **1025870677**
North **12672 POWAY RD** **CAL000428317**
1/8-1/4 **POWAY, CA 92064**
0.127 mi.
671 ft. **Site 4 of 4 in cluster I**

Relative: **Higher**

Actual: **479 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2017-06-08 00:00:00.0
Handler Name:	MIDAS POWAY	
Handler Address:		12672 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAL000428317
Contact Name:		DAN DREW
Contact Address:		12672 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		856-486-7558
Contact Fax:		Not reported
Contact Email:		POWAYMIDAS@GMX.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12672 POWAY RD
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		VICTOR BAGDASAR
Owner Type:		Other
Operator Name:		DAN DREW
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MIDAS POWAY (Continued) **1025870677**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-28 17:07:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VICTOR BAGDASAR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12672 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-486-7558
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAN DREW
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12672 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	856-486-7558
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MIDAS POWAY (Continued) **1025870677**

Historic Generators:
- Receive Date: 2017-06-08 00:00:00.0
- Handler Name: MIDAS POWAY
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 811111
- NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

F46 **317-540-19** **US BROWNFIELDS** **1016346519**
West **12510 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.131 mi.
694 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
473 ft.

US BROWNFIELDS:
- Name: 317-540-19
- Address: 12510 POWAY ROAD
- City,State,Zip: POWAY, CA 92064
- Recipient Name: Poway Redevelopment Agency
- Grant Type: Assessment
- Property Number: 317-540-19
- Parcel size: 1.19
- Latitude: 32.952509
- Longitude: -117.059733
- HCM Label: -
- Map Scale: -
- Point of Reference: -
- Highlights: -
- Datum: -
- Acres Property ID: 39695
- IC Data Access: -
- Start Date: -
- Redev Completition Date: -
- Completed Date: -
- Acres Cleaned Up: -
- Cleanup Funding: -
- Cleanup Funding Source: -
- Assessment Funding: 992
- Assessment Funding Source: EPA

317-540-19 (Continued) **1016346519**

Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Golden Arch Realty Corp.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-

317-540-19 (Continued) **1016346519**

VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	McDonald s - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant and to be undergoing renovation.
Below Poverty Number:	206
Below Poverty Percent:	4.4
Meidan Income:	3514
Meidan Income Number:	967
Meidan Income Percent:	20.65
Vacant Housing Number:	147
Vacant Housing Percent:	8.53
Unemployed Number:	214
Unemployed Percent:	4.57

317-540-19 (Continued) **1016346519**

FINDS:
Registry ID: 110038708770

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J47 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024747064**
WSW **12455 OAK KNOLL RD.** **CAC002966836**
1/8-1/4 **POWAY, CA 92054**
0.132 mi.
695 ft. **Site 1 of 11 in cluster J**

Relative:
Lower

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-06-15 00:00:00.0
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92054
EPA ID:		CAC002966836
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes

OAKCREEK APTS. (Continued) **1024747064**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-08-31 17:13:27.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAKCREEK APTS. (Continued) **1024747064**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-06-15 00:00:00.0
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J48 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024759183**
WSW **12455 OAK KNOLL RD.** **CAC002979030**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 2 of 11 in cluster J**

Relative:
Lower

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-09-05 00:00:00.0
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002979030
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported

OAKCREEK APTS. (Continued) **1024759183**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

OAKCREEK APTS. (Continued) **1024759183**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:24:18.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-09-05 00:00:00.0
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299

OAKCREEK APTS. (Continued) **1024759183**

NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J49 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025844429**
WSW **12455 OAK KNOLL RD.** **CAC003024047**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 3 of 11 in cluster J**

Relative: **Lower**

Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-07-15 00:00:00.0
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003024047
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

OAK CREEK APTS. (Continued) **1025844429**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:12:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

OAK CREEK APTS. (Continued) **1025844429**

Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-07-15 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J50 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025839885**
WSW **12455 OAK KNOLL RD.** **CAC003019485**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 4 of 11 in cluster J**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		2019-06-12 00:00:00.0
450 ft. Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003019485
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		858-748-9092
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09

OAK CREEK APTS. (Continued) **1025839885**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

OAK CREEK APTS. (Continued) **1025839885**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-27 14:19:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-06-12 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

OAK CREEK APTS. (Continued) **1025839885**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J51 **OAK CREEK - MULTIPLE UNITS ASB** **RCRA NonGen / NLR** **1026167396**
WSW **12455 OAK KNOLL RD** **CAC003067437**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 5 of 11 in cluster J**

Relative: **Lower**
Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-05-19 00:00:00.0
Handler Name:	OAK CREEK - MULTIPLE UNITS ASB
Handler Address:	12455 OAK KNOLL RD
Handler City,State,Zip:	POWAY, CA 92064-8406
EPA ID:	CAC003067437
Contact Name:	PATTY JACQUEZ
Contact Address:	12455 OAK KNOLL RD
Contact City,State,Zip:	POWAY, CA 92064-8406
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	OAKCREEK@RASNYDER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12455 OAK KNOLL RD
Mailing City,State,Zip:	POWAY, CA 92064-8406
Owner Name:	FIRESIDE PROPERTY INC.
Owner Type:	Other
Operator Name:	PATTY JACQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported

OAK CREEK - MULTIPLE UNITS ASB (Continued) **1026167396**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:12.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PATTY JACQUEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12455 OAK KNOLL RD
Owner/Operator City,State,Zip:	POWAY, CA 92064-8406
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FIRESIDE PROPERTY INC.
Legal Status:	Other

OAK CREEK - MULTIPLE UNITS ASB (Continued) **1026167396**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12455 OAK KNOLL RD
Owner/Operator City,State,Zip:	POWAY, CA 92064-8406
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-05-19 00:00:00.0
Handler Name:	OAK CREEK - MULTIPLE UNITS ASB
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J52 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1026169700**
WSW **12455 OAK KNOLL RD.** **CAC003069749**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 6 of 11 in cluster J**

Relative:
Lower

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-08-18 00:00:00.0
Handler Name:	OAK CREEK APTS.
Handler Address:	12455 OAK KNOLL RD.
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAC003079902
Contact Name:	JULIE GREY
Contact Address:	2399 CAMINO DEL RIO S.
Contact City,State,Zip:	SAN DIEGO, CA 92108
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	NANCYL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

OAK CREEK APTS. (Continued) **1026169700**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

OAK CREEK APTS. (Continued) **1026169700**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-09-04 15:30:55.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-08-18 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

OAK CREEK APTS. (Continued) **1026169700**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		2020-10-14 00:00:00.0
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003088418
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6155
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

OAK CREEK APTS. (Continued) **1026169700**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-10-26 14:55:27.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6155
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6155
Owner/Operator Telephone Ext:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-10-14 00:00:00.0
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 2020-08-26 00:00:00.0
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003081142
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: JULIE@RASNYDER.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES, INC.
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other

OAK CREEK APTS. (Continued) **1026169700**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-09-04 15:31:16.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

OAK CREEK APTS. (Continued) **1026169700**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-08-26 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

Date Form Received by Agency:		2020-07-08 00:00:00.0
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003074032

OAK CREEK APTS. (Continued) **1026169700**

Contact Name:	JULIE GREY
Contact Address:	2399 CAMINO DEL RIO S.
Contact City,State,Zip:	SAN DIEGO, CA 92108
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	NANCYL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

OAK CREEK APTS. (Continued) **1026169700**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-07-10 18:45:16.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-07-08 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

OAK CREEK APTS. (Continued) **1026169700**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 2020-11-19 00:00:00.0
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003093649
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES, INC.
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No

OAK CREEK APTS. (Continued) **1026169700**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-11-30 19:32:30.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Owner/Operator Indicator: Operator
Owner/Operator Name: JULIE GREY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6115
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-11-19 00:00:00.0
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 2020-06-05 00:00:00.0
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003069749
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 858-748-9092
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

OAK CREEK APTS. (Continued) **1026169700**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S
Mailing City,State,Zip:	SAN DIEGO, CA 92108-3606
Owner Name:	JULIE GREY
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:55.0

OAK CREEK APTS. (Continued) **1026169700**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-06-05 00:00:00.0
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

OAK CREEK APTS. (Continued) **1026169700**

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		2020-12-15 00:00:00.0
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003097323
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		858-748-9092
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported

OAK CREEK APTS. (Continued) **1026169700**

Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-12-18 21:42:09.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Historic Generators:
- Receive Date: 2020-12-15 00:00:00.0
- Handler Name: OAK CREEK APTS.
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

J53 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1026047734**
WSW **12455 OAK KNOLL RD.** **CAC003054309**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 7 of 11 in cluster J**

Relative: **Lower**

Actual: **450 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 2020-02-04 00:00:00.0
- Handler Name: OAK CREEK APTS.
- Handler Address: 12455 OAK KNOLL RD.
- Handler City,State,Zip: POWAY, CA 92064
- EPA ID: CAC003054309
- Contact Name: JULIE GREY
- Contact Address: 2399 CAMINO DEL RIO S
- Contact City,State,Zip: SAN DIEGO, CA 92108-3606
- Contact Telephone: 858-748-9092
- Contact Fax: Not reported
- Contact Email: NANCYL@PWSEI.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Not reported
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 2399 CAMINO DEL RIO S
- Mailing City,State,Zip: SAN DIEGO, CA 92108-3606
- Owner Name: R.A. SNYDER PROPERTIES, INC.

OAK CREEK APTS. (Continued) **1026047734**

Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-02-10 17:53:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

OAK CREEK APTS. (Continued) **1026047734**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: JULIE GREY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108-3606
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: R.A. SNYDER PROPERTIES, INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108-3606
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-02-04 00:00:00.0
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J54 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024764756**
WSW **12455 OAK KNOLL RD.** **CAC002984624**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 8 of 11 in cluster J**

Relative: **Lower**
Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-10-12 00:00:00.0
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002984624
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OAKCREEK APTS. (Continued) **1024764756**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:29:42.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAKCREEK APTS. (Continued) **1024764756**

Historic Generators:
- Receive Date: 2018-10-12 00:00:00.0
- Handler Name: OAKCREEK APTS.
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

J55 **OAK CREEK APARTMENTS** **RCRA NonGen / NLR** **1026710364**
WSW **12455 OAK KNOLL RD, UNIT 1G-1F** **CAC003098493**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 9 of 11 in cluster J**

Relative: **Lower**
Actual: **450 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 2020-12-23 00:00:00.0
- Handler Name: OAK CREEK APARTMENTS
- Handler Address: 12455 OAK KNOLL RD, UNIT 1G-1F
- Handler City,State,Zip: POWAY, CA 92064
- EPA ID: CAC003098493
- Contact Name: PATRICIA JACQUEZ
- Contact Address: 12455 OAK KNOLL ROAD
- Contact City,State,Zip: POWAY, CA 92064
- Contact Telephone: 858-748-9092
- Contact Fax: Not reported
- Contact Email: OAKCREEK@RASNYDER.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Not reported
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: P.O BOX 3428
- Mailing City,State,Zip: RANCHO SANTA FE, CA 92067
- Owner Name: FIRESIDE PROPERTIES, INC

OAK CREEK APARTMENTS (Continued) **1026710364**

Owner Type:	Other
Operator Name:	PATRICIA JACQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2021-02-26 18:43:44.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

OAK CREEK APARTMENTS (Continued) **1026710364**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FIRESIDE PROPERTIES, INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P.O BOX 3428
Owner/Operator City,State,Zip: RANCHO SANTA FE, CA 92067
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PATRICIA JACQUEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12455 OAK KNOLL ROAD
Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-12-23 00:00:00.0
Handler Name: OAK CREEK APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J56 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025833631**
WSW **12455 OAK KNOLL RD.** **CAC003013208**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 10 of 11 in cluster J**

Relative: **Lower**
Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-05-02 00:00:00.0
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003013208
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OAK CREEK APTS. (Continued) **1025833631**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-27 11:34:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK CREEK APTS. (Continued) **1025833631**

Historic Generators:
Receive Date: 2019-05-02 00:00:00.0
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J57 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024754406**
WSW **12455 OAK KNOLL RD.** **CAC002974223**
1/8-1/4 **POWAY, CA 92064**
0.132 mi.
695 ft. **Site 11 of 11 in cluster J**

Relative: **Lower**

Actual: **450 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2018-08-03 00:00:00.0
Handler Name: OAKCREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC002974223
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES

OAKCREEK APTS. (Continued) **1024754406**

Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-08-31 17:14:13.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

OAKCREEK APTS. (Continued) **1024754406**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: JULIE GREY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6115
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: R.A. SNYDER PROPERTIES
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6115
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2018-08-03 00:00:00.0
Handler Name: OAKCREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H58 **317-540-64** **US BROWNFIELDS** **1016346528**
West **12509 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.143 mi.
753 ft. **Site 4 of 4 in cluster H**

Relative: **Higher**

Actual: **468 ft.**

US BROWNFIELDS:

Name:	317-540-64
Address:	12509 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-64
Parcel size:	.92
Latitude:	32.952156
Longitude:	-117.059911
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39705
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	San Diego County Medical Buildings, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-540-64 (Continued) **1016346528**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-540-64 (Continued) **1016346528**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	North County Industrial Medical Clinic, STAR Rehabilitation Center, and Family Practice - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be medical offices, but appears vacant.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708912

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E59 **317-490-49** **US BROWNFIELDS** **1016347237**
NNE **12719 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.143 mi.
757 ft. **Site 3 of 4 in cluster E**

Relative: Higher
Actual: 484 ft.

US BROWNFIELDS:

Name:	317-490-49
Address:	12719 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-49
Parcel size:	.38
Latitude:	32.955481

317-490-49 (Continued) **1016347237**

Longitude:	-117.055314
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39802
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Giuseppa Mogavero 1990 Family Trust
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-

317-490-49 (Continued) **1016347237**

Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-

317-490-49 (Continued) **1016347237**

Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Domenic s Italian Ristorante; - Facility observed to consist of one building, and parking areas. Facility observed to be restaurant.
Below Poverty Number:	261
Below Poverty Percent:	4.35
Meidan Income:	9043
Meidan Income Number:	1179
Meidan Income Percent:	19.65
Vacant Housing Number:	154
Vacant Housing Percent:	7.04
Unemployed Number:	286
Unemployed Percent:	4.77

FINDS:
Registry ID: 110038719312

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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E60 **317-490-08** **US BROWNFIELDS** **1016347232**
NNE **12735 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.145 mi.
763 ft. **Site 4 of 4 in cluster E**

Relative:
Higher

Actual:
485 ft.

US BROWNFIELDS:

Name:	317-490-08
Address:	12735 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-08
Parcel size:	.61
Latitude:	32.955745
Longitude:	-117.054812
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39795
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992

317-490-08 (Continued) **1016347232**

Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Kaminski Family Trust 01-23-91
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-

317-490-08 (Continued) **1016347232**

Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Game Time Tavern - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be restaurant and sports bar.
Below Poverty Number:	261
Below Poverty Percent:	4.28
Meidan Income:	9043
Meidan Income Number:	1194
Meidan Income Percent:	19.6
Vacant Housing Number:	154
Vacant Housing Percent:	6.91
Unemployed Number:	292

317-490-08 (Continued) **1016347232**

Unemployed Percent: 4.79

FINDS:
Registry ID: 110038719241

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K61 **EL DORADO COLLISION CENTER** **RCRA NonGen / NLR** **1024811310**
West **12502 POWAY RD** **CAL000294421**
1/8-1/4 **POWAY, CA 92064**
0.155 mi.
818 ft. **Site 1 of 9 in cluster K**

Relative: **Higher**

Actual: **473 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2005-05-23 00:00:00.0
Handler Name:	EL DORADO COLLISION CENTER
Handler Address:	12502 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-4305
EPA ID:	CAL000294421
Contact Name:	JOHN TYCZKI
Contact Address:	12502 POWAY RD
Contact City,State,Zip:	POWAY, CA 92126
Contact Telephone:	858-748-0603
Contact Fax:	858-748-4605
Contact Email:	SUSANM@JM-AB.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12502 POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064-0000
Owner Name:	JOHN TYCZKI
Owner Type:	Other
Operator Name:	JOHN TYCZKI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No

EL DORADO COLLISION CENTER (Continued) **1024811310**

Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:27:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOHN TYCZKI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	518 TELFORD LN
Owner/Operator City,State,Zip:	RAMONA, CA 92065-0000
Owner/Operator Telephone:	619-520-9910
Owner/Operator Telephone Ext:	Not reported

EL DORADO COLLISION CENTER (Continued) **1024811310**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOHN TYCZKI
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12502 POWAY RD
Owner/Operator City,State,Zip: POWAY, CA 92126
Owner/Operator Telephone: 858-748-0603
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2005-05-23 00:00:00.0
Handler Name: EL DORADO COLLISION CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K62 **317-540-17, -18** **US BROWNFIELDS** **1006826745**
West **12502 POWAY ROAD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS HAZ WASTE**
0.155 mi. **FINDS**
818 ft. **Site 2 of 9 in cluster K** **ECHO**
EMI
Relative: Higher **CERS**

Actual: 473 ft.

US BROWNFIELDS:
Name: 317-540-17, -18
Address: 12502 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-540-17, -18
Parcel size: .69

317-540-17, -18 (Continued) **1006826745**

Latitude:	32.952292
Longitude:	-117.06019
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39694
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Mildred W. Taylor/Vincent Cavallaro Family Trusts
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported

317-540-17, -18 (Continued) **1006826745**

Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-

317-540-17, -18 (Continued) **1006826745**

Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	El Dorado Auto Body & Paint; Facility observed to consist of one building, and parking areas. Facility observed to be auto body shop with service bays. Several apparent gas cylinders observed.
Below Poverty Number:	206
Below Poverty Percent:	4.31
Meidan Income:	4692
Meidan Income Number:	983
Meidan Income Percent:	20.59
Vacant Housing Number:	147
Vacant Housing Percent:	8.39
Unemployed Number:	221
Unemployed Percent:	4.63

HMMD SAN DIEGO:

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103007
Business Type:	6HK27
EPA Id Number:	CAL000039375
APN:	317-540-18-00
Last HMMD Inspection:	11/04/2003
Facility Telephone:	858-566-3613
Permit Status:	CHNG
Permit Expiration:	05/31/2005
Date Last Updated:	11/02/2012
Facility Owner:	MILDRED TAYLOR
Facility Mailing Address:	12502 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4305
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	EL DORADO COLLISION CENTER
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	205318
Business Type:	6HK27
EPA Id Number:	CAL000294421
APN:	317-540-18-00
Last HMMD Inspection:	04/25/2007
Facility Telephone:	858-566-3613
Permit Status:	CHNG
Permit Expiration:	05/31/2010
Date Last Updated:	11/02/2012
Facility Owner:	JOHN TYCZKI JR

317-540-17, -18 (Continued) **1006826745**

Facility Mailing Address: 12502 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: EL DORADO COLLISION CENTER
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 205318
Business Type: 6HK27
EPA Id Number: CAL000294421
APN: 317-540-18-00
Last HMMD Inspection: 04/25/2007
Facility Telephone: 858-566-3613
Permit Status: CHNG
Permit Expiration: 05/31/2010
Date Last Updated: 11/02/2012
Facility Owner: JOHN TYCZKI JR
Facility Mailing Address: 12502 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CERS HAZ WASTE:
Name: EL DORADO COLLISION CENTER
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 113959
CERS ID: 10374838
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110038708761

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110013858851

317-540-17, -18 (Continued) **1006826745**

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
Registry ID: 110055877289

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1006826745
Registry ID:	110055877289
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055877289
Name:	EL DORADO COLLISION CENTER
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064

EMI:

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD

317-540-17, -18 (Continued) **1006826745**

SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37

317-540-17, -18 (Continued) **1006826745**

Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.742088349
Reactive Organic Gases Tons/Yr:	0.684435
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.742088349
Reactive Organic Gases Tons/Yr:	.684435
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD

317-540-17, -18 (Continued) **1006826745**

City,State,Zip:	POWAY, CA 92064
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

317-540-17, -18 (Continued) **1006826745**

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.80000000000000004
Reactive Organic Gases Tons/Yr:	0.76000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.80000000000000004
Reactive Organic Gases Tons/Yr:	0.76000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	466095
CERS ID:	110013858851
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	EL DORADO COLLISION CENTER
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	113959
CERS ID:	10374838
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection

317-540-17, -18 (Continued) **1006826745**

Eval Date: 02-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5646718
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5646718
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4086771
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4086771
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6119406
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6119406
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 113959
Facility Name: EL DORADO COLLISION CENTER
Env Int Type Code: HWG

317-540-17, -18 (Continued) **1006826745**

Program ID: 10374838
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 32.952920
Longitude: -117.060170

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880

Affiliation Type Desc: Environmental Contact
Entity Name: JOHN TYCZKI
Entity Title: Not reported
Affiliation Address: 12502 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12502 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: EL DORADO COLLISION CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: TYCZKI JOHN J JR
Entity Title: Not reported
Affiliation Address: 12502 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (619) 520-9910

317-540-17, -18 (Continued) **1006826745**

Affiliation Type Desc:	Operator
Entity Name:	JB COLLISION SERVICE INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-0603

Affiliation Type Desc:	Identification Signer
Entity Name:	PAUL TEIXERA
Entity Title:	MGR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

L63 **317-490-65** **US BROWNFIELDS** **1016347243**
North **12724 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.174 mi.
918 ft. **Site 1 of 3 in cluster L**

Relative: **Higher**

Actual: **482 ft.**

US BROWNFIELDS:

Name:	317-490-65
Address:	12724 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-65
Parcel size:	.93
Latitude:	32.95549
Longitude:	-117.055787
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39809
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-

317-490-65 (Continued) **1016347243**

Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Bank of America National Trust and Savings
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-

317-490-65 (Continued) **1016347243**

Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Bank of America - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Below Poverty Number:	261
Below Poverty Percent:	4.28
Meidan Income:	9043
Meidan Income Number:	1194
Meidan Income Percent:	19.6
Vacant Housing Number:	154
Vacant Housing Percent:	6.91
Unemployed Number:	292
Unemployed Percent:	4.79

FINDS:
Registry ID: 110038719385

Click Here:

Environmental Interest/Information System:

317-490-65 (Continued) **1016347243**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K64 **REGENT OIL** **LUST** **S103723449**
West **12462 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **SWEEPS UST**
0.176 mi. **Cortese**
931 ft. **Site 3 of 9 in cluster K** **EMI**
HIST CORTESE
Relative: **CERS**
Higher

Actual: **477 ft.**

LUST:

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302601
Global Id:	T0607302601
Latitude:	32.952166275599
Longitude:	-117.060694098473
Status:	Completed - Case Closed
Status Date:	05/26/2015
Case Worker:	Not reported
RB Case Number:	9UT3843
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H03486-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Two 10,000-gallon gasoline USTs, one 10,000-gallon diesel USt, and one 250-gallon used oil UST were removed in December 1998, supervised by EAI. Petroleum hydrocarbons were discovered in soil samples taken after the removal of the USTs. Groundwater monitoring and sampling has been performed at the site since 1999. For more information see Corrective Action Plan dated 04/25/2006 under the Site Documents tab.

LUST:

Global Id:	T0607302601
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	01/30/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302601
Action Type:	RESPONSE

REGENT OIL (Continued) **S103723449**

Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 07/29/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/03/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 05/26/2015
Action: Closure/No Further Action Letter

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 10/20/2014
Action: Email Correspondence

Global Id: T0607302601
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 04/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 04/09/2007
Action: Correspondence

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 07/29/2014
Action: Notification - Fee Title Owners Notice

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/31/2007
Action: Monitoring Report - Quarterly

REGENT OIL (Continued) **S103723449**

Global Id: T0607302601
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/09/1999
Action: Notice of Responsibility

Global Id: T0607302601
Action Type: RESPONSE
Date: 03/31/2007
Action: Other Report / Document

Global Id: T0607302601
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 05/05/2015
Action: Request for Closure - Regulator Responded

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/13/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 02/08/2007
Action: Referral to Regional Board

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/05/2007
Action: Verbal Enforcement

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/13/2007
Action: Verbal Enforcement

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 04/18/2008
Action: Staff Letter

Global Id: T0607302601
Action Type: RESPONSE

REGENT OIL (Continued) **S103723449**

Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 12/06/2007
Action: Meeting

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/30/2012
Action: Staff Letter

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Began

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Discovery

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Stopped

Global Id: T0607302601
Action Type: Other
Date: 02/02/1999
Action: Leak Reported

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: REMEDIATION
Date: 01/05/1999
Action: Excavation

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 02/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 03/18/2011
Action: Corrective Action Plan / Remedial Action Plan - Addendum

REGENT OIL (Continued) **S103723449**

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/13/2007
Action: Staff Letter

LUST:
Global Id: T0607302601
Status: Open - Case Begin Date
Status Date: 12/21/1998

Global Id: T0607302601
Status: Open - Site Assessment
Status Date: 12/22/2006

Global Id: T0607302601
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/17/2009

Global Id: T0607302601
Status: Open - Remediation
Status Date: 03/24/2010

Global Id: T0607302601
Status: Open - Eligible for Closure
Status Date: 04/28/2014

Global Id: T0607302601
Status: Completed - Case Closed
Status Date: 05/26/2015

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3843
Local Case: H03486-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/21/1998
Date Stopped: 12/21/1998
Confirm Date: 02/05/1999
Submit Workplan: 3/9/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/02/1999

REGENT OIL (Continued) **S103723449**

Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: >14'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: CHIEF'S REGENT
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 200417
Business Type: 6HK26
EPA Id Number: CAL000030663
APN: 317-540-16-00
Last HMMD Inspection: 05/31/2012
Facility Telephone: 858-748-7760
Permit Status: OPEN
Permit Expiration: 11/30/2012
Date Last Updated: 11/02/2012
Facility Owner: QUAD ACE INC
Facility Mailing Address: 12462 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 200417
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported

REGENT OIL (Continued) **S103723449**

Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 200417
Update Date: 11/02/2012
Inspection Date: 01/09/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 200417
Update Date: 11/02/2012
Inspection Date: 05/31/2012
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

REGENT OIL (Continued) **S103723449**

SWEEPS UST:

Name:	STEVE'S MOBIL
Address:	12462 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3486
Number:	9
Board Of Equalization:	44-008705
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003486-000001
Tank Status:	A
Capacity:	9950
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4

Name:	STEVE'S MOBIL
Address:	12462 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3486
Number:	9
Board Of Equalization:	44-008705
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003486-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	STEVE'S MOBIL
Address:	12462 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3486
Number:	9
Board Of Equalization:	44-008705
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003486-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL

REGENT OIL (Continued) **S103723449**

STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	STEVE'S MOBIL
Address:	12462 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3486
Number:	9
Board Of Equalization:	44-008705
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003486-000004
Tank Status:	A
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302601
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2000
County Code:	37

REGENT OIL (Continued) **S103723449**

Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD

REGENT OIL (Continued) **S103723449**

City,State,Zip:	POWAY, CA 920644303
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4998
Reactive Organic Gases Tons/Yr:	0.4998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4998
Reactive Organic Gases Tons/Yr:	.4998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

REGENT OIL (Continued) **S103723449**

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

REGENT OIL (Continued) **S103723449**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APRO #23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 1608
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.75
Reactive Organic Gases Tons/Yr: 4.75
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APRO #23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2010
County Code: 37
Air Basin: SD
Facility ID: 1608
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.75
Reactive Organic Gases Tons/Yr: 4.75
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
edr_fname: REGENT OIL
edr_fadd1: 12462 POWAY
City,State,Zip: POWAY, CA 92025
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3843

CERS:
Name: APRO #23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 920644303

REGENT OIL (Continued) **S103723449**

Site ID: 190739
CERS ID: T0607302601
CERS Description: Leaking Underground Storage Tank Cleanup Site

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K65 **APRO #23** **San Diego Co. HMMD** **S105112804**
West **12462 POWAY RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS TANKS**
0.176 mi. **HAZNET**
931 ft. **Site 4 of 9 in cluster K** **CERS**
HWTS

Relative:
Higher

Actual:
477 ft.

HMMD SAN DIEGO:

Name:	UNITED #023
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000398698
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	310-323-3992
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	06/10/2020
Facility Owner:	Not reported
Facility Mailing Address:	4130 Cover Street, Long Beach, CA 90808
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5425363
Return To Compliance Date:	2016-05-25T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17500
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2016-05-25T13:13:06.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

APRO #23 (Continued) **S105112804**

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5121142
Return To Compliance Date:	2015-05-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2015-05-26T00:00:00.000
Violation Code:	2030043 Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	2030064 Failure to notify the CUPA the prescribed number of hours prior to testing. 23 CCR 16 2637(f), 2638(e), 2643(g), 2644.1(a)(4)

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	2014-05-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y

APRO #23 (Continued) **S105112804**

Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	2014-06-09T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	2030025 Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).
Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6152665
Return To Compliance Date:	2019-07-03T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2019-05-16T00:00:00.000
Violation Code:	2010010 Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. 23 CCR 2711; HSC 6.7 25284 (c), 25286(c)
Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6152665
Return To Compliance Date:	2019-05-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2019-05-16T00:00:00.000
Violation Code:	2030018 (TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y

APRO #23 (Continued) **S105112804**

Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	2014-05-29T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	2060015 Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5891433
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2018-05-24T11:43:00.000
Violation Code:	HMD3103 UST repair/modify/closure permit not obtained from HMD. SDCC 68.1004, 68.1005, 68.1009.5

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5891433
Return To Compliance Date:	2018-05-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17500
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2018-05-24T11:43:00.000
Violation Code:	2060020 (RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank

APRO #23 (Continued) **S105112804**

Inspection Type:	Routine
Inspection Number:	6152665
Return To Compliance Date:	2019-05-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2020-06-10T01:27:27.000
Inspection Date:	2019-05-16T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

UST DTL:

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APRO LLC
Tankid:	17500
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-06-10T01:27:35.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Facility Type (Ust Facility):	Motor Vehicle Fueling

APRO #23 (Continued) **S105112804**

Tank Owner Name:	APRO LLC
Tankid:	17501
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-06-10T01:27:35.000
Tank Capacityin Gallons:	12000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APRO LLC
Tankid:	17499
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-06-10T01:27:35.000
Tank Capacityin Gallons:	12000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177124
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-07-12T02:50:53.000
Chemical Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name:	SUMP/TEST LIQUID
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177125
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-07-12T02:50:53.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	GASOLINE FILTERS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0186499
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T23:44:50.000

APRO #23 (Continued) **S105112804**

Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165878
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126122
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126123
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126124
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006

APRO #23 (Continued) **S105112804**

Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104912
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104913
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0214364
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-10T01:27:35.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243378
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-10T01:27:34.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243379
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-10T01:27:34.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

APRO #23 (Continued) **S105112804**

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0214365
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-10T01:27:35.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165876
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165877
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243380
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-10T01:27:34.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed

APRO #23 (Continued) **S105112804**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0186500
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0186501
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161468
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161469
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205163
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205164

APRO #23 (Continued) **S105112804**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205165
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Name: APRO #23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 103486
Business Type: 6HK28
EPA Id Number: CAL000276672
APN: 317-540-72-00
Last HMMD Inspection: 05/15/2012
Facility Telephone: 858-748-7760
Permit Status: OPEN
Permit Expiration: 02/28/2013
Date Last Updated: 11/02/2012
Facility Owner: SIKAND HAPPY NARINDER&RENU
Facility Mailing Address: 2449 NALIN DR
Facility Mailing City: LOS ANGELES
Facility Mailing State: CA
Facility Mailing Zip: 90077
UST Owner: APRO LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 103486
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 103486 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE

APRO #23 (Continued) **S105112804**

Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	103486
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 103486 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	103486
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 103486 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	103486
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	SUMP/TEST LIQUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103486
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE

APRO #23 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 06/09/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267

APRO #23 (Continued) **S105112804**

Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

APRO #23 (Continued) **S105112804**

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/15/2012
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005

APRO #23 (Continued) **S105112804**

Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment

APRO #23 (Continued) **S105112804**

(UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE

APRO #23 (Continued) **S105112804**

Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103486 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 2 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 46
UST Monitor Method: DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

APRO #23 (Continued) **S105112804**

UST Name:	UNDERGROUND TANK 103486 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	3 UNLEADED;
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103486 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

UST Name:	UNDERGROUND TANK 103486 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000

APRO #23 (Continued) **S105112804**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151, RT3252; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103486
Business Type:	6HK28
EPA Id Number:	CAL000276672
APN:	317-540-72-00
Last HMMD Inspection:	05/15/2012
Facility Telephone:	858-748-7760
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIKAND HAPPY NARINDER&RENU
Facility Mailing Address:	2449 NALIN DR
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA
Facility Mailing Zip:	90077
UST Owner:	APRO LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	68476-34-6

APRO #23 (Continued) **S105112804**

Name: DIESEL
Other Information: UNDERGROUND TANK 103486 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103486 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 103486 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SUMP/TEST LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY

APRO #23 (Continued) **S105112804**

Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 06/09/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012

APRO #23 (Continued) **S105112804**

Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)

APRO #23 (Continued) **S105112804**

Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/15/2012
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE

APRO #23 (Continued) **S105112804**

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411

APRO #23 (Continued) **S105112804**

Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008

APRO #23 (Continued) **S105112804**

Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103486 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 2 UNLEADED;

APRO #23 (Continued) **S105112804**

Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	46
UST Monitor Method:	DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.
UST Name:	UNDERGROUND TANK 103486 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	3 UNLEADED;
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103486 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY
UST Name:	UNDERGROUND TANK 103486 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00

APRO #23 (Continued) **S105112804**

Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151, RT3252; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103486
Business Type:	6HK28
EPA Id Number:	CAL000276672
APN:	317-540-72-00
Last HMMD Inspection:	05/15/2012
Facility Telephone:	858-748-7760
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIKAND HAPPY NARINDER&RENU
Facility Mailing Address:	2449 NALIN DR
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA

APRO #23 (Continued) **S105112804**

Facility Mailing Zip: 90077
UST Owner: APRO LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 103486
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 103486 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103486 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 103486 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SUMP/TEST LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported

APRO #23 (Continued) **S105112804**

Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 06/09/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)

APRO #23 (Continued) **S105112804**

Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264

APRO #23 (Continued) **S105112804**

Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/15/2012
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available.

APRO #23 (Continued) **S105112804**

	25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	103486

APRO #23 (Continued) **S105112804**

Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

APRO #23 (Continued) **S105112804**

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV0135

APRO #23 (Continued) **S105112804**

Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103486 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 2 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 46
UST Monitor Method: DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

UST Name: UNDERGROUND TANK 103486 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 3 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103486 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 280
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 22
UST Monitor Method: SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

APRO #23 (Continued) **S105112804**

UST Name:	UNDERGROUND TANK 103486 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151, RT3252; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

CERS HAZ WASTE:

Name:	UNITED #023
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	78945

APRO #23 (Continued) **S105112804**

CERS ID: 10198798
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: UNITED #023
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 78945
CERS ID: 10198798
CERS Description: Underground Storage Tank

HAZNET:
Name: APRO LLC DBA UNITED OIL 23
Address: 12462 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 908080000
Contact: TOM ROBINS
Telephone: 3103233992
Mailing Name: Not reported
Mailing Address: 4130 COVER STREET

Year: 2019
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAT080013352
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.22935

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.14595

Year: 2016
Gepaid: CAL000398698
TSD EPA ID: CAD028409019

APRO #23 (Continued) **S105112804**

CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.1668
Year:	2016
Gepaid:	CAL000398698
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.08
Year:	2015
Gepaid:	CAL000398698
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0625
Year:	2015
Gepaid:	CAL000398698
TSD EPA ID:	CAD028409019
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.10425

Additional Info:

Year:	2016
Gen EPA ID:	CAL000398698
Shipment Date:	20150706
Creation Date:	9/11/2015 22:15:55
Receipt Date:	20150709
Manifest ID:	014287003JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

APRO #23 (Continued) **S105112804**

Additional Code 5:	Not reported
Shipment Date:	20150706
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150709
Manifest ID:	014287004JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:02:56
Receipt Date:	20150216
Manifest ID:	013558868JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:05:03
Receipt Date:	20150216
Manifest ID:	013558869JJK
Trans EPA ID:	CAR000172874

APRO #23 (Continued) **S105112804**

Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000398698
Shipment Date:	20170907
Creation Date:	5/30/2018 18:32:32
Receipt Date:	20170908
Manifest ID:	017651414JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170331
Creation Date:	5/9/2018 18:32:18
Receipt Date:	20170405
Manifest ID:	016590523JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

APRO #23 (Continued) **S105112804**

TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170331
Creation Date:	5/9/2018 18:32:13
Receipt Date:	20170405
Manifest ID:	016590434JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000398698
Shipment Date:	20150706
Creation Date:	9/11/2015 22:15:55
Receipt Date:	20150709
Manifest ID:	014287003JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported

APRO #23 (Continued) **S105112804**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150706
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150709
Manifest ID:	014287004JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:02:56
Receipt Date:	20150216
Manifest ID:	013558868JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150

APRO #23 (Continued) **S105112804**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:05:03
Receipt Date:	20150216
Manifest ID:	013558869JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	UNITED #023
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	78945
CERS ID:	10198798
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-16-2019
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 05/16/2019. Inspection Sequence ID:6152665;Tank ID:17499,17501;Violation Description:(TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS

APRO #23 (Continued) **S105112804**

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-29-2014
Citation: 23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Description: Failure to notify the CUPA the prescribed number of hours prior to testing.
Violation Notes: Returned to compliance on 08/26/2014. Inspection Sequence ID:5062279;Tank ID:;Violation Description:Failure to notify the CUPA the prescribed number of hours prior to testing. 23 CCR 16 2637(f), 2638(e), 2643(g), 2644.1(a)(4)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-29-2014
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 06/09/2014. Inspection Sequence ID:5062279;Tank ID:87,91,03;Violation Description:Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-24-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 05/25/2018. Inspection Sequence ID:5891433;Tank ID:17500;Violation Description:(RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

APRO #23 (Continued) **S105112804**

Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-25-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 05/25/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-16-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 05/16/2019. Inspection Sequence ID:6152665;Tank ID:17499,17500,17501;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to

APRO #23 (Continued) **S105112804**

overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prev

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-16-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/03/2019. Inspection Sequence ID:6152665;Tank ID:17499,17500,17501;Violation Description:Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. 23 CCR 2711; HSC 6.7 25284 (c), 25286(c)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-29-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/29/2014. Inspection Sequence ID:5062279
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-24-2018
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 06/25/2018. Inspection Sequence ID:5891433;Tank ID:17501;Violation:HMD3103 UST repair/modify/closure permit not obtained from HMD. SDCC 68.1004, 68.1005, 68.1009.5
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-26-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or

APRO #23 (Continued) **S105112804**

	properly operated.
Violation Notes:	Returned to compliance on 05/26/2015. Inspection Sequence ID:5121142;Tank ID:17499,17500,17501;Violation Description:Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-29-2014
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 05/29/2014. Inspection Sequence ID:5062279;Tank ID:0;Violation Description:Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6423008
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6152665
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6152665
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6152665
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST

APRO #23 (Continued) **S105112804**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5648777
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5648777
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5648777
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5891433
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5891433
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5891433
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

APRO #23 (Continued) **S105112804**

Eval Date:	05-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5425363
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5425363
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5425363
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5121142
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5121142
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5121142
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2014
Violations Found:	No
Eval Type:	Routine done by local agency

APRO #23 (Continued) **S105112804**

Eval Notes:	Inspector: Fernandez Juan Inspection ID:5062279
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5062279
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5062279
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	78945
Facility Name:	UNITED #023
Env Int Type Code:	HWG
Program ID:	10198798
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.952590
Longitude:	-117.060550

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Tom Robins
Entity Title:	Staff Geologist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Allen Faass
Entity Title:	Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 323-3992
Affiliation Type Desc:	UST Tank Operator
Entity Name:	APRO, LLC

APRO #23 (Continued) **S105112804**

Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90808
Affiliation Phone:	(310) 323-3992
Affiliation Type Desc:	Legal Owner
Entity Name:	APRO LLC
Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90808
Affiliation Phone:	(310) 323-3992
Affiliation Type Desc:	Parent Corporation
Entity Name:	APRO LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	ARCP UO PORTFOLIO II, LP
Entity Title:	Not reported
Affiliation Address:	2325 E. Camelback Rd, Ste 1200
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85016
Affiliation Phone:	(602) 778-6223
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Operator
Entity Name:	APRO LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 323-3992

APRO #23 (Continued) **S105112804**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	ARCP UO PORTFOLIO II, LP
Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90808
Affiliation Phone:	(310) 323-3992

Affiliation Type Desc:	UST Tank Owner
Entity Name:	APRO, LLC
Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90808
Affiliation Phone:	(310) 323-3992

Affiliation Type Desc:	Document Preparer
Entity Name:	Tom Robins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Tom Robins
Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90808
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4130 Cover Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90808
Affiliation Phone:	Not reported

Name:	APRO LLC DBA UNITED OIL 23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	451783
CERS ID:	110021148710
CERS Description:	US EPA Air Emission Inventory System (EIS)

APRO #23 (Continued) **S105112804**

Affiliation:

Affiliation Type Desc:	Facility Owner
Entity Name:	APRO LLC
Entity Title:	OWNER
Affiliation Address:	17311 S MAIN ST
Affiliation City:	GARDENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	JEFF APPEL
Entity Title:	SECRETARY - TREASURER
Affiliation Address:	17311 S MAIN ST
Affiliation City:	GARDENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	KEN STRONG
Entity Title:	GENERAL MANAGER
Affiliation Address:	17311 S MAIN ST
Affiliation City:	GARDENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL SANCHEZ
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	17311 S MAIN ST
Affiliation City:	GARDENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	APRO LLC
Entity Title:	OPERATOR
Affiliation Address:	17311 S MAIN ST
Affiliation City:	GARDENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	APRO LLC DBA UNITED OIL 23
Address:	12462 POWAY RD
Address 2:	Not reported

APRO #23 (Continued) **S105112804**

City,State,Zip:	POWAY, CA 920644303
EPA ID:	CAL000398698
Inactive Date:	Not reported
Create Date:	07/14/2014
Last Act Date:	08/03/2020
Mailing Name:	Not reported
Mailing Address:	4130 COVER STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908080000
Owner Name:	APRO LLC
Owner Address:	4130 COVER STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908080000
Contact Name:	TOM ROBINS
Contact Address:	4130 COVER STREET
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90808

NAICS:

EPA ID:	CAL000398698
Create Date:	2014-07-14 11:54:10.330
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2014-07-14 11:54:10.33000
Inactive Date:	Not reported
Facility Name:	APRO LLC DBA UNITED OIL 23
Facility Address:	12462 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644303

K66 **APRO LLC DBA UNITED OIL 23** **RCRA NonGen / NLR** **1024845530**
West **12462 POWAY RD** **CAL000398698**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
931 ft. **Site 5 of 9 in cluster K**

Relative:
Higher

Actual:
477 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2014-07-14 00:00:00.0
Handler Name:	APRO LLC DBA UNITED OIL 23
Handler Address:	12462 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-4303
EPA ID:	CAL000398698
Contact Name:	TOM ROBINS
Contact Address:	4130 COVER STREET
Contact City,State,Zip:	LONG BEACH, CA 90808
Contact Telephone:	310-323-3992
Contact Fax:	Not reported
Contact Email:	TOM.ROBINS@UNITEDPACIFIC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4130 COVER STREET
Mailing City,State,Zip:	LONG BEACH, CA 90808-0000
Owner Name:	APRO LLC
Owner Type:	Other
Operator Name:	TOM ROBINS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Handler Date of Last Change:	2018-09-06 17:04:45.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	APRO LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4130 COVER STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808-0000
Owner/Operator Telephone:	310-323-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TOM ROBINS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4130 COVER STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808
Owner/Operator Telephone:	310-323-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-07-14 00:00:00.0
Handler Name:	APRO LLC DBA UNITED OIL 23
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Evaluation Action Summary:
Evaluations: No Evaluations Found

K67 **317-540-15, -16** **US BROWNFIELDS** **1008211857**
West **12462 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
931 ft. **Site 6 of 9 in cluster K**

Relative:
Higher

Actual:
477 ft.

US BROWNFIELDS:

Name:	317-540-15, -16
Address:	12462 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-15, -16
Parcel size:	1.71
Latitude:	32.95211
Longitude:	-117.060668
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	39693
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	APRO, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-540-15, -16 (Continued) **1008211857**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-540-15, -16 (Continued) **1008211857**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Exxon gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, one propane AST, eight 55-gallon drums, and approximately 5 groundwater monitoring wells.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708752

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110021148710

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

317-540-15, -16 (Continued) **1008211857**

HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K68 **CHIEFS' REGENT** **RCRA NonGen / NLR** **1024787311**
West **12462 POWAY RD** **CAL000030663**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
931 ft. **Site 7 of 9 in cluster K**

Relative: **Higher**
Actual: **477 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1990-05-16 00:00:00.0
Handler Name:	CHIEFS' REGENT	
Handler Address:		12462 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064-0000
EPA ID:		CAL000030663
Contact Name:		ROBERT C PATIO
Contact Address:		12462 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-748-7760
Contact Fax:		858-748-6812
Contact Email:		CHIEFSREGENT@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12462 POWAY RD
Mailing City,State,Zip:		POWAY, CA 92064-4303
Owner Name:		QUAD ACE INC
Owner Type:		Other
Operator Name:		ROBERT C PATIO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

CHIEFS' REGENT (Continued) **1024787311**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:41:17.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	QUAD ACE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12462 POWAY ROAD
Owner/Operator City,State,Zip:	POWAY, CA 92064-0000
Owner/Operator Telephone:	858-748-7760
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROBERT C PATIO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12462 POWAY RD

CHIEFS' REGENT (Continued) **1024787311**

Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 858-748-7760
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1990-05-16 00:00:00.0
Handler Name: CHIEFS' REGENT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K69 **UNITED #023** **SAN DIEGO CO. SAM** **U003789129**
West **12462 POWAY RD** **UST** **N/A**
1/8-1/4 **POWAY, CA 92064** **SAN DIEGO CO LOP**
0.176 mi.
931 ft. **Site 8 of 9 in cluster K**

Relative:
Higher

Actual:
477 ft.

SAN DIEGO CO. SAM:
Name: APRO 23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 920644303
Case Number: H03486-001
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 2/1/2002
Date Began: 12/21/1998

UST:
Name: QUAD ACE INC.
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility ID: H03486
Permitting Agency: SAN DIEGO COUNTY

UNITED #023 (Continued) **U003789129**

Latitude: 32.9536945
Longitude: -117.0594573

Name: UNITED #023
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility ID: 37-000-103486
Permitting Agency: San Diego County Department of Environmental Health
Latitude: 32.95259
Longitude: -117.06055

SAN DIEGO CO LOP:
Name: APRO 23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1999-LSAM-H03486-001
Record Status: Completed
Opened Date: 02/02/1999
Parcel Number: 317-540-72-00
Case Type: LOP - Local Oversight Program
Historical Name: APRO #23
SWRCB Global ID: T0607302601
Funding: S - LOP State Fund
Lead Agency: RWQCB
Lead Agency Date: 12/22/2006
Census Tract: 170.40
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9525681
Longitude: -117.0610719
X MapCoord: 6312866.066
Y MapCoord: 1927354.165

M70 **317-540-27** **US BROWNFIELDS 1016346522**
West **12443 POWAY ROAD** **FINDS N/A**
1/8-1/4 **POWAY, CA 92064**
0.181 mi.
957 ft. **Site 1 of 11 in cluster M**

Relative: US BROWNFIELDS:
Lower
Name: 317-540-27
Actual: Address: 12443 POWAY ROAD
464 ft. City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-540-27
Parcel size: .45
Latitude: 32.951853
Longitude: -117.061282
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -

317-540-27 (Continued) **1016346522**

Acres Property ID:	39698
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Alexander R. Yankopoulos
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N

317-540-27 (Continued) **1016346522**

PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Advanced Care Veterinary Hospital - Facility observed to consist of one building, and parking and landscaped areas. One groundwater

317-540-27 (Continued) **1016346522**

monitoring well observed in northwest portion of facility in landscaped area.

Below Poverty Number:	192
Below Poverty Percent:	4.17
Meidan Income:	4372
Meidan Income Number:	978
Meidan Income Percent:	21.25
Vacant Housing Number:	144
Vacant Housing Percent:	8.47
Unemployed Number:	214
Unemployed Percent:	4.65

FINDS:
Registry ID: 110038708805

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N71 **WILLIAM P RACICOT DDS** **CERS HAZ WASTE** **S119095936**
NNE **13206 CARRIAGE RD STE 105** **CERS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.188 mi.
991 ft. **Site 1 of 7 in cluster N**

Relative:
Higher

Actual:
488 ft.

CERS HAZ WASTE:

Name:	WILLIAM P RACICOT DDS
Address:	13206 CARRIAGE RD STE 105
City,State,Zip:	POWAY, CA 92064
Site ID:	174005
CERS ID:	10613284
CERS Description:	Hazardous Waste Generator

CERS:

Name:	WILLIAM P RACICOT DDS
Address:	13206 CARRIAGE RD STE 105
City,State,Zip:	POWAY, CA 92064
Site ID:	174005
CERS ID:	10613284
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

Affiliation Type Desc: Environmental Contact

WILLIAM P RACICOT DDS (Continued) **S119095936**

Entity Name:	Brenda Wolf
Entity Title:	Not reported
Affiliation Address:	13206 Carriage Rd Ste 105
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	William P Racicot DDS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	William Racicot
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	William P Racicot
Entity Title:	Not reported
Affiliation Address:	13206 Carriage Rd. Suite 15
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-6300
Affiliation Type Desc:	Operator
Entity Name:	William P Racicot DDS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-6300
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	drwpr@sbcglobal.net
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064

WILLIAM P RACICOT DDS (Continued) **S119095936**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	William Racicot
Entity Title:	owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

N72 **317-490-04, -06, -07** **US BROWNFIELDS** **1014933038**
NNE **13206 CARRIAGE ROAD; 12751 POWAY ROAD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.188 mi.
991 ft. **Site 2 of 7 in cluster N**

Relative: **Higher**

Actual: **488 ft.**

US BROWNFIELDS:

Name:	317-490-04, -06, -07
Address:	13206 CARRIAGE ROAD; 12751 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-04, -06, -07
Parcel size:	.79
Latitude:	32.955216
Longitude:	-117.054049
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39794
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Byron B. Webb, Inc.

317-490-04, -06, -07 (Continued) **1014933038**

Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-

317-490-04, -06, -07 (Continued) **1014933038**

Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Office and retail center - Facility observed to consist of one building, and parking areas. Facility observed to be office and commercial space.
Below Poverty Number:	270
Below Poverty Percent:	4.34
Meidan Income:	9043
Meidan Income Number:	1213
Meidan Income Percent:	19.5
Vacant Housing Number:	155
Vacant Housing Percent:	6.85
Unemployed Number:	299
Unemployed Percent:	4.81

N73 **317-490-42** **US BROWNFIELDS** **1016347234**
NNE **12759 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.189 mi.
999 ft. **Site 3 of 7 in cluster N**

Relative: US BROWNFIELDS:
Higher

Name:	317-490-42
Address:	12759 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-42
Parcel size:	.75

Actual:
491 ft.

317-490-42 (Continued) **1016347234**

Latitude:	32.955712
Longitude:	-117.053986
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39799
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Paula Mogavero 01-25-89
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported

317-490-42 (Continued) **1016347234**

Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-

317-490-42 (Continued) **1016347234**

Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Oak Knoll Square - Facility observed to consist of one building and parking areas. Facility observed to be small shopping center.
Below Poverty Number:	259
Below Poverty Percent:	4.29
Meidan Income:	9649
Meidan Income Number:	1173
Meidan Income Percent:	19.43
Vacant Housing Number:	148
Vacant Housing Percent:	6.73
Unemployed Number:	292
Unemployed Percent:	4.84

FINDS:
Registry ID: 110038719287

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N74 **OAK KNOLL SQUARE** **SAN DIEGO CO. SAM** **S108540436**
NNE **12759 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.189 mi.
999 ft. **Site 4 of 7 in cluster N**

Relative:
Higher

Actual:
491 ft.

SAN DIEGO CO. SAM:

Name:	OAK KNOLL SQUARE
Address:	12759 POWAY RD
City,State,Zip:	POWAY, CA 92064
Case Number:	H39706-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/17/2007
Date Began:	5/1/2007

N75 **OAK KNOLL SQUARE** **RCRA NonGen / NLR** **1025841291**
NNE **12759 POWY ROAD** **CAC003020896**
1/8-1/4 **POWAY, CA 92064**
0.189 mi.
999 ft. **Site 5 of 7 in cluster N**

Relative:
Higher

Actual:
491 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-06-21 00:00:00.0
Handler Name:	OAK KNOLL SQUARE	
Handler Address:		12759 POWY ROAD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003020896
Contact Name:		PAULA COBB
Contact Address:		3227 FOOTHILL STREET
Contact City,State,Zip:		ESCONDIDO, CA 92025
Contact Telephone:		858-967-8800
Contact Fax:		Not reported
Contact Email:		RICKY.SUN@SAFETY-KLEEN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3227 FOOTHILL STREET
Mailing City,State,Zip:		ESCONDIDO, CA 92025
Owner Name:		PAULA COBB
Owner Type:		Other
Operator Name:		PAULA COBB
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OAK KNOLL SQUARE (Continued) **1025841291**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:11:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PAULA COBB
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3227 FOOTHILL STREET
Owner/Operator City,State,Zip:	ESCONDIDO, CA 92025
Owner/Operator Telephone:	858-967-8800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PAULA COBB
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3227 FOOTHILL STREET
Owner/Operator City,State,Zip:	ESCONDIDO, CA 92025
Owner/Operator Telephone:	858-967-8800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK KNOLL SQUARE (Continued) **1025841291**

Historic Generators:
Receive Date: 2019-06-21 00:00:00.0
Handler Name: OAK KNOLL SQUARE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M76 **OIL CHANGERS #604** **RCRA NonGen / NLR** **1024787684**
West **12459 POWAY ROAD** **CAL000035887**
1/8-1/4 **POWAY, CA 92064**
0.191 mi.
1006 ft. **Site 2 of 11 in cluster M**

Relative: **Lower**
Actual: **465 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 1990-07-05 00:00:00.0
Handler Name: OIL CHANGERS #604
Handler Address: 12459 POWAY ROAD
Handler City,State,Zip: POWAY, CA 92064-0000
EPA ID: CAL000035887
Contact Name: JOHN DENHOLM
Contact Address: 4511 WILLOW ROAD STE 1
Contact City,State,Zip: PLEASANTON, CA 94588
Contact Telephone: 925-734-5816
Contact Fax: 925-734-5858
Contact Email: COMPLIANCE@OILCHANGERINC.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 4511 WILLOW RD STE 1
Mailing City,State,Zip: PLEASANTON, CA 94588-9037
Owner Name: OIL CHANGER INC

OIL CHANGERS #604 (Continued) **1024787684**

Owner Type:	Other
Operator Name:	JOHN DENHOLM
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:41:23.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

OIL CHANGERS #604 (Continued) **1024787684**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OIL CHANGER INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4511 WILLOW RD STE 1
Owner/Operator City,State,Zip:	PLEASANTON, CA 94588-0000
Owner/Operator Telephone:	925-734-5800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN DENHOLM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4511 WILLOW ROAD STE 1
Owner/Operator City,State,Zip:	PLEASANTON, CA 94588
Owner/Operator Telephone:	925-734-5816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1990-07-05 00:00:00.0
Handler Name: OIL CHANGERS #604	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4884
NAICS Description:	SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

NAICS Code:	811198
NAICS Description:	ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M77 **317-540-26** **US BROWNFIELDS** **1016346521**
West **12455 AND 12459 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.191 mi.
1006 ft. **Site 3 of 11 in cluster M**

Relative: **Lower**

Actual: **465 ft.**

US BROWNFIELDS:

Name:	317-540-26
Address:	12455 AND 12459 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-26
Parcel size:	1
Latitude:	32.951869
Longitude:	-117.060782
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	39697
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Richard Pavelec/Cissy Fisher Family Trust 09-14-94
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-540-26 (Continued) **1016346521**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-540-26 (Continued) **1016346521**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Poway Country Plaza - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be small shopping center with oil change garage. One groundwater monitoring well observed at this facility near Poway Road. Four 55-gallon drums observed in fenced enclosure.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708798

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M78 **OIL CHANGER #604** **AST** **A100422932**
West **12459 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.191 mi.
1006 ft. **Site 4 of 11 in cluster M**

Relative: AST:
Lower

Name:	OIL CHANGER #604
Address:	12459 POWAY RD
City/Zip:	POWAY,92064
Certified Unified Program Agencies:	Not reported
Owner:	Oil Changer, Inc.
Total Gallons:	Not reported
CERSID:	10055611

Actual:
465 ft.

OIL CHANGER #604 (Continued) **A100422932**

Facility ID:	37-000-129197
Business Name:	Oil Changer, Inc.
Phone:	858-486-4208
Fax:	Not reported
Mailing Address:	4511 WILLOW RD #1
Mailing Address City:	PLEASANTON
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	OIL CHANGERS #604
Operator Phone:	858-486-4208
Owner Phone:	9257345800
Owner Mail Address:	4511 Willow Rd. #1
Owner State:	CA
Owner Zip Code:	94588
Owner Country:	United States
Property Owner Name:	Poway Country Plaza
Property Owner Phone:	Not reported
Property Owner Mailing Address:	7968 Engineering Rd., Suite 108
Property Owner City:	SAN DIEGO
Property Owner Stat :	CA
Property Owner Zip Code:	92111
Property Owner Country:	United States
EPAID:	CAL000035887

M79 **OIL CHANGERS #604** **AST** **S104751954**
West **12459 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS HAZ WASTE**
0.191 mi. **CERS TANKS**
1006 ft. **Site 5 of 11 in cluster M** **CERS**

Relative: AST:
Lower

Actual:
465 ft.

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City/Zip:	POWAY,
Certified Unified Program Agencies:	San Diego
Owner:	OIL CHANGERS #604
Total Gallons:	18080
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

HMMD SAN DIEGO:
Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 129197
Business Type: 6HK26
EPA Id Number: CAL000035887
APN: 317-540-26-00
Last HMMD Inspection: 06/07/2012
Facility Telephone: 858-486-4208
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: OIL CHANGERS #604
Facility Mailing Address: 4511 WILLOW RD #1
Facility Mailing City: PLEASANTON
Facility Mailing State: CA
Facility Mailing Zip: 94588-2709
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 129197
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL 50%
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000035887
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-486-4208
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/01/2020
Facility Owner:	Not reported
Facility Mailing Address:	4511 WILLOW RD #1, Pleasanton, CA 94566
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-129197
Program Element: Aboveground Petroleum Storage Act
Inspection Type: Routine
Inspection Number: 6210259
Return To Compliance Date: 2019-07-15T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2020-03-01T00:00:00.000
Inspection Date: 2019-07-12T00:00:00.000
Violation Code: 4010008 Failed to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended. (40 CFR 112.3(e)(1).) HSC 25270.4.5(a)

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-129197
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5695193
Return To Compliance Date: 2017-07-17T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2020-03-01T00:00:00.000
Inspection Date: 2017-07-05T12:39:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508(a)(1)(A); 25508.1(f); 19 CCR 2652(a)(3)

Waste and Materials:
Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0217780
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: USED OIL
Common Name: USED MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y

OIL CHANGERS #604 (Continued) **S104751954**

Child Record Id: DEH2019-HCHEM-0215324
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-08-23T02:11:35.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0215325
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-08-23T02:11:35.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0215326
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-08-23T02:11:35.000
Chemical Name: Trinity Antifreeze/Coolant
Common Name: ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185485
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-08-23T02:11:36.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185486
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-08-23T02:11:36.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185487
Trade Secret: N

OIL CHANGERS #604 (Continued) **S104751954**

Hazardous Material Type: Not reported
Last Updated: 2019-08-23T02:11:36.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0246790
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0246791
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0246792
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: ETHYLENE GLYCOL
Common Name: ANTIFREEZE/COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0217781
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: ETHYLENE GLYCOL
Common Name: USED ANTIFREEZE/COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0217782
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-01T02:30:52.000

OIL CHANGERS #604 (Continued) **S104751954**

Chemical Name: USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177581
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: Trinity Antifreeze/Coolant
Common Name: ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177582
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177583
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152124
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152125
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT

OIL CHANGERS #604 (Continued) **S104751954**

Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152126
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086681
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086682
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086683
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: Trinity Antifreeze/Coolant
Common Name: ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0069097
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0069098
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0069099
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0126693
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148342
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148343
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed

OIL CHANGERS #604 (Continued) **S104751954**

Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0148344
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-03-06T02:32:02.000
Chemical Name:	Trinity Antifreeze/Coolant
Common Name:	ANTIFREEZE/ COOLANT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0126691
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-06T02:32:02.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE MOTOR OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0126692
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-06T02:32:02.000
Chemical Name:	ETHYLENE GLYCOL 50%
Common Name:	USED ANTIFREEZE/ COOLANT
Case Number:	Not reported

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WINDOW WASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	129197

OIL CHANGERS #604 (Continued) **S104751954**

Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL

OIL CHANGERS #604 (Continued) **S104751954**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or

OIL CHANGERS #604 (Continued) **S104751954**

	complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA

OIL CHANGERS #604 (Continued) **S104751954**

Facility Mailing Zip: 94588-2709
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 129197
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL 50%
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005

OIL CHANGERS #604 (Continued) **S104751954**

Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE

OIL CHANGERS #604 (Continued) **S104751954**

Hazardous Categories 2: ACUTE

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

CERS HAZ WASTE:

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	53544
CERS ID:	10055611
CERS Description:	Hazardous Waste Generator

CERS TANKS:

OIL CHANGERS #604 (Continued) **S104751954**

Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 53544
CERS ID: 10055611
CERS Description: Aboveground Petroleum Storage

CERS:
Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 53544
CERS ID: 10055611
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 53544
Site Name: OIL CHANGERS #604
Violation Date: 07-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/17/2017. Inspection Sequence ID:5695193
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53544
Site Name: OIL CHANGERS #604
Violation Date: 07-12-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: Returned to compliance on 07/15/2019. Inspection Sequence ID:6210259
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5695193
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5695193
Eval Division: San Diego County Department of Env Health

OIL CHANGERS #604 (Continued) **S104751954**

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5695193
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4245891
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4245891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4245891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

OIL CHANGERS #604 (Continued) **S104751954**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-12-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS

Coordinates:

Site ID:	53544
Facility Name:	OIL CHANGERS #604
Env Int Type Code:	HWG
Program ID:	10055611
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	32.951715
Longitude:	-117.061117

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Chilberto
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4511 WILLOW RD #1
Affiliation City:	PLEASANTON
Affiliation State:	CA

OIL CHANGERS #604 (Continued) **S104751954**

Affiliation Country:	Not reported
Affiliation Zip:	94588-2709
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	OIL CHANGER, INC.
Entity Title:	Not reported
Affiliation Address:	4511 Willow Rd. #1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5800
Affiliation Type Desc:	Document Preparer
Entity Name:	Michael Steven Chilberto
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Michael Steven Chilberto
Entity Title:	Compliance Officer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Oil Changer #604
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 486-4208

M80 **317-540-30** **US BROWNFIELDS** **1016346523**
West **12439 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.193 mi.
1020 ft. **Site 6 of 11 in cluster M**

Relative: US BROWNFIELDS:
Lower

Actual: Name:	317-540-30
463 ft. Address:	12439 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-30

317-540-30 (Continued) **1016346523**

Parcel size:	.3
Latitude:	32.951828
Longitude:	-117.061614
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39699
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Baskin Family Trust 05-16-88
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-

317-540-30 (Continued) **1016346523**

No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-

317-540-30 (Continued) **1016346523**

Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Computing Solutions, Inc., Assist2Sell, Baskin & Associates, and Abundant Life Chiropractic. Facility observed to consist of one 2-story building and parking areas. Facility observed to be small office building.
Below Poverty Number:	164
Below Poverty Percent:	4.3
Meidan Income:	2016
Meidan Income Number:	821
Meidan Income Percent:	21.5
Vacant Housing Number:	94
Vacant Housing Percent:	6.69
Unemployed Number:	194
Unemployed Percent:	5.08

FINDS:
Registry ID: 110038708814

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K81 **317-540-13, -72** **US BROWNFIELDS** **1016346518**
West **12448 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.197 mi.
1042 ft. **Site 9 of 9 in cluster K**

Relative: **Higher**
Actual: **475 ft.**

US BROWNFIELDS:

Name:	317-540-13, -72
Address:	12448 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-13, -72
Parcel size:	1.05
Latitude:	32.952085
Longitude:	-117.061063
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39692
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-

317-540-13, -72 (Continued) **1016346518**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Happy Narinder and Renu Sikand
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-

317-540-13, -72 (Continued) **1016346518**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Ramada Limited - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be hotel.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13

317-540-13, -72 (Continued) **1016346518**

Vacant Housing Number: 144
Vacant Housing Percent: 8.5
Unemployed Number: 212
Unemployed Percent: 4.62

FINDS:
Registry ID: 110038708743

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O82 **R & C CLEANERS INC DBA MARTINIZING DRY CLEANING** **DRYCLEANERS** **S108541216**
North **12654 POWAY RD STE 2** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.199 mi.
1052 ft. **Site 1 of 6 in cluster O**

Relative: **Higher**

Actual: **486 ft.**

DRYCLEANERS:

Name:	R & C CLEANERS INC DBA MARTINIZING DRY CLEANING
Address:	12654 POWAY RD STE 2
City,State,Zip:	POWAY, CA 92064
EPA Id:	CAL000303830
NAICS Code:	333312
NAICS Description:	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing
SIC Code:	3582
SIC Description:	Commercial Laundry, Drycleaning and Pressing Machines
Create Date:	02/24/2006
Facility Active:	No
Inactive Date:	06/30/2014
Facility Addr2:	Not reported
Owner Name:	R & C CLEANERS INC
Owner Address:	PO BOX 676322
Owner Address 2:	Not reported
Owner Telephone:	8587561419
Contact Name:	CATHERINE TARIN
Contact Address:	PO BOX 676322
Contact Address 2:	Not reported
Contact Telephone:	8584143404
Contact Fax:	8587561419
Mailing Name:	Not reported
Mailing Address 1:	PO BOX 676322
Mailing Address 2:	Not reported
Mailing City:	RANCHO SANTA FE
Mailing State:	CA
Mailing Zip:	920676322
Owner Fax:	8587561419
Region Code:	4
Latitude:	32.954351
Longitude:	-117.056919

O83 **BANFIELD PET HOSPITAL #5052** **San Diego Co. HMMD** **S109279515**
North **12654 POWAY RD STE 12** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **DRYCLEANERS**
0.199 mi. **HAZNET**
1052 ft. **Site 2 of 6 in cluster O** **CERS**

Relative:
Higher

Actual:
486 ft.

HMMD SAN DIEGO:

Name:	BANFIELD PET HOSPITAL #5052
Address:	12654 POWAY RD 12
City,State,Zip:	POWAY, CA 92064-4442
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000410032
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-668-0637
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/21/2020
Facility Owner:	Not reported
Facility Mailing Address:	PO Box 87586, Vancouver, WA 98687
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0161065
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-06-30T02:36:52.000
Chemical Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0161066
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-06-30T02:36:52.000
Chemical Name:	BIOHAZARDOUS/PATHOLOGY WASTE
Common Name:	BIOHAZARDOUS/PATHOLOGY WASTE
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0161067
Trade Secret:	N

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Hazardous Material Type: Not reported
Last Updated: 2018-06-30T02:36:52.000
Chemical Name: WASTE DIFFERENTIAL STAIN
Common Name: WASTE DIFFERENTIAL STAIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161068
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-30T02:36:52.000
Chemical Name: EXPIRED PHARMACEUTICALS
Common Name: EXPIRED PHARMACEUTICALS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161069
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-30T02:36:52.000
Chemical Name: WASTE FORMALIN
Common Name: WASTE FORMALIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161070
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-30T02:36:52.000
Chemical Name: WASTE PHARMACEUTICALS
Common Name: WASTE PHARMECEUTICALS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185830
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-10-23T01:58:26.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185831
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-10-23T01:58:26.000

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Chemical Name: WASTE DIFFERENTIAL STAIN
Common Name: WASTE DIFFERENTIAL STAIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185832
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-10-23T01:58:26.000
Chemical Name: EXPIRED PHARMACEUTICALS
Common Name: EXPIRED PHARMACEUTICALS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185834
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-10-23T01:58:26.000
Chemical Name: WASTE PHARMACEUTICALS
Common Name: WASTE PHARMECEUTICALS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0225358
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:32:38.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0225359
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:32:38.000
Chemical Name: WASTE DIFFERENTIAL STAIN
Common Name: WASTE DIFFERENTIAL STAIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0225360
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:32:38.000
Chemical Name: EXPIRED PHARMACEUTICALS
Common Name: EXPIRED PHARMACEUTICALS

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0225361
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-21T02:32:38.000
Chemical Name: WASTE FORMALIN
Common Name: WASTE FORMALIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133594
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-27T02:41:44.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133595
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-27T02:41:44.000
Chemical Name: BIOHAZARDOUS/PATHOLOGY WASTE
Common Name: BIOHAZARDOUS/PATHOLOGY WASTE
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133596
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-27T02:41:44.000
Chemical Name: WASTE DIFFERENTIAL STAIN
Common Name: WASTE DIFFERENTIAL STAIN
Case Number: Not reported

Record ID: DEH2015-HUPFP-002063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133597
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-27T02:41:44.000
Chemical Name: EXPIRED PHARMACEUTICALS
Common Name: EXPIRED PHARMACEUTICALS
Case Number: Not reported

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0133598
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-27T02:41:44.000
Chemical Name:	WASTE FORMALIN
Common Name:	WASTE FORMALIN
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0133599
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-27T02:41:44.000
Chemical Name:	WASTE PHARMACEUTICALS
Common Name:	WASTE PHARMECEUTICALS
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0225362
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-05-21T02:32:38.000
Chemical Name:	WASTE PHARMACEUTICALS
Common Name:	WASTE PHARMECEUTICALS
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0094227
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-07-21T02:30:35.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0076541
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-07-21T02:30:35.000
Chemical Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002063
Permit Status:	Permit Renewed

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0185833
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-10-23T01:58:26.000
Chemical Name: WASTE FORMALIN
Common Name: WASTE FORMALIN
Case Number: Not reported

Name: MARTINIZING DRY CLEANING
Address: 12654 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 205890
Business Type: 6HK53
EPA Id Number: CAL000303830
APN: 317-490-78-00
Last HMMD Inspection: 10/05/2010
Facility Telephone: 858-748-5000
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CATHERINE TARIN
Facility Mailing Address: 12654 POWAY RD #4
Facility Mailing City: Poway
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 205890
Update Date: 11/02/2012
Case Number: 541-02-6
Name: SILICONE SILOXANE (DECAMETHYLCYCLOPENTASILOXANE)
Other Information: GREEN EARTH SOLVENT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 205890
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 351 ORGANIC SOLIDS WITH HALOGENS
Other Information: FILTERS AND LINT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CERS HAZ WASTE:
Name: BANFIELD PET HOSPITAL #5052

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Address:	12654 POWAY RD STE 12
City,State,Zip:	POWAY, CA 92064
Site ID:	358256
CERS ID:	10643050
CERS Description:	Hazardous Waste Generator

DRYCLEANERS:

Name:	OGDENS ONE HOUR CLEANERS INC
Address:	12654 POWAY RD
City,State,Zip:	POWAY, CA 92064
EPA Id:	CAL000408262
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/07/2015
Facility Active:	No
Inactive Date:	06/30/2020
Facility Addr2:	Not reported
Owner Name:	JEFFREY OGDEN
Owner Address:	12461 RANCHO BERNARDO RD
Owner Address 2:	Not reported
Owner Telephone:	8587754910
Contact Name:	JEFFREY OGDEN
Contact Address:	12461 RANCHO BERNARDO RD
Contact Address 2:	Not reported
Contact Telephone:	8587754910
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	12461 RANCHO BERNARDO RD
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	92128
Owner Fax:	Not reported
Region Code:	4
Latitude:	0
Longitude:	0

HAZNET:

Name:	BANFIELD PET HOSPITAL #5052
Address:	12654 POWAY RD STE 12
Address 2:	Not reported
City,State,Zip:	POWAY, CA 986877856
Contact:	SEAN AKERS
Telephone:	3607845217
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 87586
Year:	2019
Gepaid:	CAL000410032
TSD EPA ID:	OHD980613541
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.00250

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Year:	2019
Gepaid:	CAL000410032
TSD EPA ID:	AZD081705402
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01250

Year:	2018
Gepaid:	CAL000410032
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05900

Year:	2018
Gepaid:	CAL000410032
TSD EPA ID:	NVD980895338
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00350

CERS:

Name:	BANFIELD PET HOSPITAL #5052
Address:	12654 POWAY RD STE 12
City,State,Zip:	POWAY, CA 92064
Site ID:	358256
CERS ID:	10643050
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Ayala Anthony Inspection ID:6145854
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

Affiliation Type Desc:	Document Preparer
Entity Name:	Courtney Adams
Entity Title:	Not reported

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12654 Poway Road, Suite 12
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Banfield Pet Hospital #5052
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 668-0637
Affiliation Type Desc:	Legal Owner
Entity Name:	Medical Management International, Inc. DBA Banfield Pet Hospital
Entity Title:	Not reported
Affiliation Address:	PO Box 87586
Affiliation City:	Vancouver
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98687
Affiliation Phone:	(866) 894-7927
Affiliation Type Desc:	Environmental Contact
Entity Name:	Courtney Adams
Entity Title:	Not reported
Affiliation Address:	PO Box 87586
Affiliation City:	Vancouver
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98687
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Courtney Adams
Entity Title:	Sr Coordinator Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

BANFIELD PET HOSPITAL #5052 (Continued) **S109279515**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Banfield Pet Hospital
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

O84 **OGDENS ONE HOUR CLEANERS INC** **RCRA NonGen / NLR** **1024850580**
North **12654 POWAY RD** **CAL000408262**
1/8-1/4 **POWAY, CA 92064**
0.199 mi.
1052 ft. **Site 3 of 6 in cluster O**

Relative: **Higher**

Actual: **486 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2015-07-07 00:00:00.0
Handler Name:	OGDENS ONE HOUR CLEANERS INC
Handler Address:	12654 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000408262
Contact Name:	JEFFREY OGDEN
Contact Address:	12461 RANCHO BERNARDO RD
Contact City,State,Zip:	SAN DIEGO, CA 92128
Contact Telephone:	858-775-4910
Contact Fax:	Not reported
Contact Email:	BLUERUDY52@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12461 RANCHO BERNARDO RD
Mailing City,State,Zip:	SAN DIEGO, CA 92128
Owner Name:	JEFFREY OGDEN
Owner Type:	Other
Operator Name:	JEFFREY OGDEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No

OGDENS ONE HOUR CLEANERS INC (Continued) **1024850580**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:06:22.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JEFFREY OGDEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12461 RANCHO BERNARDO RD
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92128
Owner/Operator Telephone:	858-775-4910
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OGDENS ONE HOUR CLEANERS INC (Continued) **1024850580**

Owner/Operator Indicator: Operator
Owner/Operator Name: JEFFREY OGDEN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12461 RANCHO BERNARDO RD
Owner/Operator City,State,Zip: SAN DIEGO, CA 92128
Owner/Operator Telephone: 858-775-4910
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2015-07-07 00:00:00.0
Handler Name: OGDENS ONE HOUR CLEANERS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O85 **MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD** **RCRA NonGen / NLR** **1024851474**
North **12654 POWAY RD STE 12** **CAL000410032**
1/8-1/4 **POWAY, CA 92064**
0.199 mi.
1052 ft. **Site 4 of 6 in cluster O**

Relative:
Higher

Actual:
486 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2015-09-09 00:00:00.0
Handler Name: MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #5052
Handler Address: 12654 POWAY RD STE 12
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAL000410032
Contact Name: SEAN AKERS
Contact Address: P.O. BOX 87586
Contact City,State,Zip: VANCOUVER, WA 98687-7856
Contact Telephone: 360-784-5217
Contact Fax: 360-784-6217
Contact Email: HSE@BANFIELD.COM
Contact Title: Not reported

MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPIT (Continued) **1024851474**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 87586
Mailing City,State,Zip:	VANCOUVER, WA 98687-7856
Owner Name:	MEDICAL MANAGEMENT INTERNATIONAL IN
Owner Type:	Other
Operator Name:	SEAN AKERS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPIT (Continued) **1024851474**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:06:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SEAN AKERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 87586
Owner/Operator City,State,Zip:	VANCOUVER, WA 98687-7856
Owner/Operator Telephone:	360-784-5217
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MEDICAL MANAGEMENT INTERNATIONAL IN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 87586
Owner/Operator City,State,Zip:	VANCOUVER, WA 98687-7856
Owner/Operator Telephone:	360-784-5119
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2015-09-09 00:00:00.0
Handler Name:	MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #5052
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	54194

MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPIT (Continued) **1024851474**

NAICS Description: VETERINARY SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M86 **317-540-60** **US BROWNFIELDS 1016346525**
West **12440 POWAY ROAD** **FINDS N/A**
1/8-1/4 **POWAY, CA 92064**
0.202 mi.
1069 ft. **Site 7 of 11 in cluster M**

Relative:
Higher

Actual:
475 ft.

US BROWNFIELDS:

Name:	317-540-60
Address:	12440 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-60
Parcel size:	.69
Latitude:	32.952069
Longitude:	-117.061625
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39702
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Happy N and Renu Sikand
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-

317-540-60 (Continued) **1016346525**

Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-

317-540-60 (Continued) **1016346525**

Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	House on the Hill Restaurant - Facility observed to consist of one building, and parking and landscaped areas.
Below Poverty Number:	163
Below Poverty Percent:	4.3
Meidan Income:	1964
Meidan Income Number:	818
Meidan Income Percent:	21.58
Vacant Housing Number:	94
Vacant Housing Percent:	6.73
Unemployed Number:	192
Unemployed Percent:	5.07

FINDS:
Registry ID: 110038708887

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L87 **317-490-66, -73** **RCRA-SQG** **1000388633**
NNE **12740 POWAY ROAD** **LUST** **CAD981997323**
1/8-1/4 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.204 mi. **AST**
1078 ft. **Site 2 of 3 in cluster L** **US BROWNFIELDS**
San Diego Co. HMMD
Relative: **CERS HAZ WASTE**
Higher **SWEEPS UST**
Actual: **CERS TANKS**
489 ft. **FINDS**
ECHO
HIST CORTESE
NPDES
SAN DIEGO CO LOP
CIWQS
CERS

RCRA-SQG:

Date Form Received by Agency:		1996-09-23 00:00:00.0
Handler Name:	PERRY FORD OF POWAY	
Handler Address:		12740 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD981997323
Contact Name:		DOUG EPLEY
Contact Address:		12740 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-748-1400
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		12740 POWAY RD
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		PERRY FALK
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

317-490-66, -73 (Continued) **1000388633**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:32:05.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PERRY FALK
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12740 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-748-1400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

317-490-66, -73 (Continued) **1000388633**

Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1996-09-23 00:00:00.0
Handler Name: PERRY FORD OF POWAY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302868
Global Id: T0607302868
Latitude: 32.9561599
Longitude: -117.055382
Status: Completed - Case Closed
Status Date: 12/22/2003
Case Worker: Not reported
RB Case Number: 9UT58
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H13170-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

317-490-66, -73 (Continued) **1000388633**

LUST:
Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 12/22/2003
Action: Closure/No Further Action Letter

Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 01/15/1987
Action: * Corrective Action Orders

Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 09/11/1992
Action: Notice of Responsibility

Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 10/22/1986
Action: Notice of Responsibility

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Began

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Discovery

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Stopped

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Reported

LUST:
Global Id: T0607302868
Status: Open - Case Begin Date
Status Date: 10/22/1986

Global Id: T0607302868
Status: Completed - Case Closed
Status Date: 12/22/2003

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT58
Local Case: H13170-001

317-490-66, -73 (Continued) **1000388633**

Substance: Gasoline
Qty Leaked: 1
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 10/22/1986
Date Stopped: 10/22/1986
Confirm Date: 10/22/1986
Submit Workplan: Not reported
Prelim Assess: 11/20/1986
Desc Pollution: Not reported
Remed Plan: 10/19/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/22/1986
Enforce Date: 10/22/86
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 906.20
GW Depth: ~13
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Case Number: H13170-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/22/2003
Date Began: 10/22/1986

AST:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City/Zip: POWAY,92064
Certified Unified Program Agencies: Not reported
Owner: Perry Ford of Poway
Total Gallons: Not reported
CERSID: 10374241
Facility ID: 37-000-113170
Business Name: PERRY FORD OF POWAY

317-490-66, -73 (Continued) **1000388633**

Phone:	858-748-1400
Fax:	858-679-4519
Mailing Address:	12740 POWAY RD
Mailing Address City:	POWAY
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	Perry Ford of Poway
Operator Phone:	858-748-1400
Owner Phone:	858-748-1400
Owner Mail Address:	12740 POWAY RD
Owner State:	CA
Owner Zip Code:	92064
Owner Country:	United States
Property Owner Name:	FALK TRUST 07-14-98
Property Owner Phone:	858-748-1400
Property Owner Mailing Address:	12740 POWAY RD
Property Owner City:	POWAY
Property Owner Stat :	CA
Property Owner Zip Code:	92064
Property Owner Country:	United States
EPAID:	CAD981997323

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City/Zip:	POWAY,
Certified Unified Program Agencies:	San Diego
Owner:	PERRY FORD OF POWAY
Total Gallons:	2050
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

US BROWNFIELDS:

Name:	317-490-66, -73
Address:	12740 POWAY ROAD
City,State,Zip:	POWAY, CA 92064

317-490-66, -73 (Continued) **1000388633**

Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-66, -73
Parcel size:	3.35
Latitude:	32.955951
Longitude:	-117.054935
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39810
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Falk Trust 07-14-98
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-

317-490-66, -73 (Continued) **1000388633**

Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-

317-490-66, -73 (Continued) **1000388633**

SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Perry Ford - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be automotive dealership with service bays. Possible inground hydraulic lifts, apparent clarifier, and approximately a dozen 55-gallon drums observed. Also one apparent destroyed well at facility and three apparently destroyed wells in Silver Lake Drive.
Below Poverty Number:	229
Below Poverty Percent:	4.15
Meidan Income:	8060
Meidan Income Number:	957
Meidan Income Percent:	17.32
Vacant Housing Number:	126
Vacant Housing Percent:	6.42
Unemployed Number:	255
Unemployed Percent:	4.62

HMMD SAN DIEGO:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113170
Business Type:	6HK31
EPA Id Number:	CAD981997323
APN:	317-490-66-00
Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4404
UST Owner:	BISZANTZ REALTY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, COMPRESSED GAS
Other Information:	Not reported

317-490-66, -73 (Continued) **1000388633**

Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE/COOLANT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7440371
Name:	ARGON/C02, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DEGREASING SOAP, ZEP FLASH
Other Information:	DEGREASING SOAP, ZEP FLASH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL: LUBRICATING, MOTOR OIL, ATF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHERS-6 UNITS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL & ATF
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 113170
Update Date: 11/02/2012

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Inspection Date:	07/19/2004
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006

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Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized

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point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED

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Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION

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Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 113170 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: UNKNOWN
Additional Id: 006
Capacity Gallons: 10
UST Contents: Not reported
Other Content Info: GASOLINE & WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1993-07-13 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 113170
Business Type: 6HK31
EPA Id Number: CAD981997323
APN: 317-490-66-00
Last HMMD Inspection: 09/19/2012
Facility Telephone: 858-748-1400
Permit Status: OPEN
Permit Expiration: 06/30/2013
Date Last Updated: 11/02/2012
Facility Owner: PERRY FORD OF POWAY
Facility Mailing Address: 12740 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4404
UST Owner: BISZANTZ REALTY
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 113170
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 113170

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Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE/COOLANT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7440371
Name:	ARGON/C02, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DEGREASING SOAP, ZEP FLASH
Other Information:	DEGREASING SOAP, ZEP FLASH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL: LUBRICATING, MOTOR OIL, ATF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHERS-6 UNITS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL

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Other Information: WASTE OIL & ATF
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days)

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	without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174

317-490-66, -73 (Continued) **1000388633**

Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

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Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported

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Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

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UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113170
Business Type:	6HK31
EPA Id Number:	CAD981997323
APN:	317-490-66-00
Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4404
UST Owner:	BISZANTZ REALTY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE/COOLANT
Other Information:	Not reported

317-490-66, -73 (Continued) **1000388633**

Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7440371
Name: ARGON/C02, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: DEGREASING SOAP, ZEP FLASH
Other Information: DEGREASING SOAP, ZEP FLASH
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL: LUBRICATING, MOTOR OIL, ATF
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHERS-6 UNITS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL & ATF
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

317-490-66, -73 (Continued) **1000388633**

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 113170

317-490-66, -73 (Continued) **1000388633**

Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006

317-490-66, -73 (Continued) **1000388633**

Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS

317-490-66, -73 (Continued) **1000388633**

Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

317-490-66, -73 (Continued) **1000388633**

UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10

317-490-66, -73 (Continued) **1000388633**

UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD981997323
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-748-1400
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/25/2020
Facility Owner:	Not reported
Facility Mailing Address:	12740 POWAY RD, POWAY, CA 92064
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-08-25T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	3130003 Failed to properly label/date hazardous waste container or portable tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y

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Facility Id Number:	37-000-113170
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-08-25T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	3110013 Failed to obtain and maintain a written assessment certified by an independent, qualified, registered professional engineer for the hazardous waste tank system. 22 CCR 66265.192(a), 66265.192(h)(1), or 66265.191(a)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Aboveground Petroleum Storage Act
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-08-25T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	4010021 Failed to have record of inspections and integrity tests signed by the appropriate supervisor or inspector, keep written procedures and records of inspections and integrity tests for at least three years, and/or keep comparison records. (40 CFR 112.7(e), 112.8(c)(6).) HSC 25270.4.5(a)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-14T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-08-25T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	1010006 Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)

UST DTL:

Record ID:	DEH2002-HUPFP-113170

317-490-66, -73 (Continued) **1000388633**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22644
Tank Status:	Removed
Date Ust Permanently Closed:	01/12/1987
Tank Use:	01
Piping System Type:	02
Last Updated:	2020-08-25T02:32:16.000
Tank Capacityin Gallons:	550
Tank Contents:	1A
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22645
Tank Status:	Removed
Date Ust Permanently Closed:	01/12/1987
Tank Use:	01
Piping System Type:	02
Last Updated:	2020-08-25T02:32:16.000
Tank Capacityin Gallons:	550
Tank Contents:	02
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22646
Tank Status:	Removed
Date Ust Permanently Closed:	07/17/1993
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2020-08-25T02:32:16.000
Tank Capacityin Gallons:	1000
Tank Contents:	Not reported
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22647
Tank Status:	Removed
Date Ust Permanently Closed:	07/13/1993
Tank Use:	02

317-490-66, -73 (Continued) **1000388633**

Piping System Type: 02
Last Updated: 2020-08-25T02:32:16.000
Tank Capacityin Gallons: 550
Tank Contents: Not reported
Type Of Tank: 01

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-113170
Facility Type (Ust Facility): Not reported
Tank Owner Name: Perry Ford of Poway
Tankid: 22648
Tank Status: Removed
Date Ust Permanently Closed: 07/13/1993
Tank Use: 02
Piping System Type: 02
Last Updated: 2020-08-25T02:32:16.000
Tank Capacityin Gallons: 550
Tank Contents: Not reported
Type Of Tank: 01

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-113170
Facility Type (Ust Facility): Not reported
Tank Owner Name: Perry Ford of Poway
Tankid: 22649
Tank Status: Removed
Date Ust Permanently Closed: 07/13/1993
Tank Use: 04
Piping System Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Tank Capacityin Gallons: 10
Tank Contents: Not reported
Type Of Tank: 95

Waste and Materials:
Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0097932
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0097933
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-06-01T02:37:06.000

317-490-66, -73 (Continued) **1000388633**

Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079837
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079838
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079839
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079840
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079841
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid

317-490-66, -73 (Continued) **1000388633**

Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079842
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0228539
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0228540
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198519
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198520
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

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Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198521
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198522
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198523
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198524
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198525
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Oily Solids/used oil filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed

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Active Permit: Y
Child Record Id: DEH2018-HWAST-0152921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152923
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152924
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178418
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-25T01:45:49.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178419

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Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-04-25T01:45:49.000
Chemical Name:	Ethylene Glycol
Common Name:	Coolant
Case Number:	Mixture
Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0152920
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-04-25T01:45:50.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0152925
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-04-25T01:45:50.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0152926
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-04-25T01:45:50.000
Chemical Name:	Solids Containing Paraffinic Petroleum Distillates
Common Name:	Non-Metal Used Oil Filters
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0137382
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-08-30T02:38:05.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	Mixture
Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0137383
Trade Secret:	N
Hazardous Material Type:	Mixture

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Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115879
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115880
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115881
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115882
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115883
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Diethylene Glycol

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Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115884
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115885
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254274
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254275
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224003
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

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Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224004
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224005
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224006
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224007
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224008
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed

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Active Permit: Y
Child Record Id: DEH2020-HWAST-0224009
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Oily Solids/used oil filters
Case Number: Not reported

Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 113170
Business Type: 6HK31
EPA Id Number: CAD981997323
APN: 317-490-66-00
Last HMMD Inspection: 09/19/2012
Facility Telephone: 858-748-1400
Permit Status: OPEN
Permit Expiration: 06/30/2013
Date Last Updated: 11/02/2012
Facility Owner: PERRY FORD OF POWAY
Facility Mailing Address: 12740 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4404
UST Owner: BISZANTZ REALTY
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 113170
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE/COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7440371
Name: ARGON/C02, COMPRESSED GAS

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Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DEGREASING SOAP, ZEP FLASH
Other Information:	DEGREASING SOAP, ZEP FLASH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL: LUBRICATING, MOTOR OIL, ATF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHERS-6 UNITS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL & ATF
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE/COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported

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Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: ACTIVE

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Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012

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Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008

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Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 3 WASTE OIL
Capacity Gallons: 1000
UST Contents: Not reported

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Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported

317-490-66, -73 (Continued) **1000388633**

Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 56343
CERS ID: 10374241
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000003
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 3

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: MEISTER FORD
Address: 12740 POWAY RD

317-490-66, -73 (Continued) **1000388633**

City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 13170
Number: Not reported
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 13170
Number: Not reported
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000002
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

317-490-66, -73 (Continued) **1000388633**

CERS TANKS:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 56343
CERS ID: 10374241
CERS Description: Aboveground Petroleum Storage

FINDS:
Registry ID: 110002771199

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110038719973

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000388633
Registry ID: 110002771199
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002771199
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 92064

HIST CORTESE:
edr_fname: MEISTER FORD
edr_fadd1: 12740 POWAY
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT58

NPDES:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported

317-490-66, -73 (Continued) **1000388633**

Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C369451
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	04/08/2016
Operator Name:	perry ford of poway
Operator Address:	12740 poway rd
Operator City:	poway
Operator State:	California
Operator Zip:	92064

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	442392
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C369451
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/08/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	03/20/2014
Processed Date:	04/16/2014
Status:	Terminated
Status Date:	04/08/2016
Place Size:	3.39
Place Size Unit:	Acres
Contact:	mario lopez
Contact Title:	Not reported
Contact Phone:	858-748-1400
Contact Phone Ext:	Not reported
Contact Email:	mcarjunky@yahoo.com
Operator Name:	perry ford of poway
Operator Address:	12740 poway rd
Operator City:	poway

317-490-66, -73 (Continued) **1000388633**

Operator State:	California
Operator Zip:	92064
Operator Contact:	mario lopez
Operator Contact Title:	General Manager
Operator Contact Phone:	858-748-1400
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mcarjunky@yahoo.com
Operator Type:	Private Business
Developer:	perry ford of poway
Developer Address:	12740 poway rd
Developer City:	poway
Developer State:	California
Developer Zip:	92064
Developer Contact:	Perry Falk
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	mario lopez
Certifier Title:	general manager
Certification Date:	20-MAR-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	442392
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C369451
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/16/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/08/2016

317-490-66, -73 (Continued) **1000388633**

Discharge Name:	perry ford of poway
Discharge Address:	12740 poway rd
Discharge City:	poway
Discharge State:	California
Discharge Zip:	92064
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

317-490-66, -73 (Continued) **1000388633**

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

SAN DIEGO CO LOP:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1986-LSAM-H13170-001
Record Status:	Completed
Opened Date:	10/22/1986
Parcel Number:	317-490-66-00
Case Type:	LOP - Local Oversight Program
Historical Name:	POWAY FORD/MEISTER FORD
SWRCB Global ID:	T0607302868
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	10/22/1986
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9562115
Longitude:	-117.0554422
X MapCoord:	6314626.738
Y MapCoord:	1928641.228

CIWQS:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Agency:	perry ford of poway
Agency Address:	12740 poway rd, Poway, CA 92064
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C369451
NPDES Number:	CAS000002
Adoption Date:	01/01/1900
Effective Date:	04/16/2014
Termination Date:	04/08/2016
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

317-490-66, -73 (Continued) **1000388633**

Latitude: 32.95596
Longitude: -117.05561

CERS:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 56343
CERS ID: T0607302868
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 08/29/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 08/14/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.

317-490-66, -73 (Continued) **1000388633**

Violation Notes: Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

317-490-66, -73 (Continued) **1000388633**

Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 56343
Facility Name: PERRY FORD OF POWAY
Env Int Type Code: HWG
Program ID: 10374241
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 32.956460
Longitude: -117.054650

Affiliation:
Affiliation Type Desc: Facility Mailing Address

317-490-66, -73 (Continued) **1000388633**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064-4404
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400
Affiliation Type Desc:	Property Owner
Entity Name:	FALK TRUST 07-14-98
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Document Preparer
Entity Name:	KPA,LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Don Horn
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064

317-490-66, -73 (Continued) **1000388633**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Don Horn
Entity Title:	Service Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-1400
Affiliation Type Desc:	Parent Corporation
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Site ID:	56343
CERS ID:	10374241
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 08/29/2019. Inspection Sequence ID:6191730
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS

317-490-66, -73 (Continued) **1000388633**

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 08/14/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

317-490-66, -73 (Continued) **1000388633**

Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency

317-490-66, -73 (Continued) **1000388633**

Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 56343
Facility Name: PERRY FORD OF POWAY
Env Int Type Code: HWG
Program ID: 10374241
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 32.956460
Longitude: -117.054650

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12740 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064-4404
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: PERRY FORD OF POWAY
Entity Title: Not reported
Affiliation Address: 12740 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-1400

Affiliation Type Desc: Property Owner
Entity Name: FALK TRUST 07-14-98
Entity Title: Not reported
Affiliation Address: 12740 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-1400

Affiliation Type Desc: CUPA District

317-490-66, -73 (Continued) **1000388633**

Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Document Preparer
Entity Name:	KPA,LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Don Horn
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Don Horn
Entity Title:	Service Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-1400
Affiliation Type Desc:	Parent Corporation
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

317-490-66, -73 (Continued) **1000388633**

Affiliation Phone: Not reported

L88 **PERRY FORD OF POWAY** **Cortese** **S113011739**
NNE **12740 POWAY RD** **HAZNET** **N/A**
1/8-1/4 **POWAY, CA 92064** **HWTS**
0.204 mi.
1078 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
489 ft.

CORTESE:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302868
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920644404
Contact:	DON HORN MANAGER
Telephone:	8589562349
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.45000
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	AZD081705402
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

PERRY FORD OF POWAY (Continued) **S113011739**

Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.12580

Year: 2019
Gepaid: CAD981997323
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 3.50000

Year: 2019
Gepaid: CAD981997323
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.32500

Year: 2019
Gepaid: CAD981997323
TSD EPA ID: AZD081705402
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.78540

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20000

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 3.75000

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: AZD081705402
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26400

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: AZD081705402
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10000

PERRY FORD OF POWAY (Continued) **S113011739**

Year:	2017
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	2.9

Click this hyperlink while viewing on your computer to access
59 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1995
Gen EPA ID:	CAD981997323
Shipment Date:	19951128
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951128
Manifest ID:	95399810
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.7297
Waste Quantity:	175
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950524
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950525
Manifest ID:	95126528
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.197
Waste Quantity:	285
Quantity Unit:	G

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950307
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950308
Manifest ID:	95242643
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950302
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950302
Manifest ID:	95242644
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950104
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950104

PERRY FORD OF POWAY (Continued) **S113011739**

Manifest ID:	95249444
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD981997323
Shipment Date:	20101216
Creation Date:	2/8/2011 18:30:37
Receipt Date:	20101217
Manifest ID:	007839024JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	12/30/2010 18:30:17
Receipt Date:	20101008
Manifest ID:	007839147JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100325
Creation Date:	12/16/2010 18:30:46
Receipt Date:	20100401
Manifest ID:	006909125JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100219
Creation Date:	5/20/2010 18:30:40
Receipt Date:	20100223
Manifest ID:	007141402JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.748

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD981997323
Shipment Date:	19990913
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19990930
Manifest ID:	99124529
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990719
Creation Date:	9/21/1999 0:00:00
Receipt Date:	19990720
Manifest ID:	99126212
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990609
Creation Date:	8/19/1999 0:00:00
Receipt Date:	19990611
Manifest ID:	99241290
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990430
Creation Date:	6/18/1999 0:00:00
Receipt Date:	19990430
Manifest ID:	99007308
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990316
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990316
Manifest ID:	98854602
Trans EPA ID:	CAD028277036
Trans Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990209
Creation Date:	4/20/1999 0:00:00
Receipt Date:	19990209
Manifest ID:	98854227
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990119
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19990119
Manifest ID:	98851231
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990113
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990121
Manifest ID:	95881740
Trans EPA ID:	CAD981965734
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	9.7995
Waste Quantity:	2350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD981997323
Shipment Date:	20061006
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061011
Manifest ID:	000826980JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC 000798
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060925
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061002
Manifest ID:	001052156JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.10008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060605
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060612
Manifest ID:	24629091
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22518
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060420
Creation Date:	7/29/2006 18:34:05
Receipt Date:	20060426

PERRY FORD OF POWAY (Continued) **S113011739**

Manifest ID:	24618898
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060215
Creation Date:	6/14/2006 18:34:47
Receipt Date:	20060221
Manifest ID:	24610305
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22518
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981997323

Shipment Date:	20011205
Creation Date:	2/19/2002 0:00:00
Receipt Date:	20011210
Manifest ID:	21310049
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010920
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010925
Manifest ID:	21451247
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2016
Waste Quantity:	48
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010628
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010705
Manifest ID:	21137574
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010523
Manifest ID:	20687040
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000075150
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	6.5135
Waste Quantity:	1562
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010403
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010406
Manifest ID:	20624493
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002

PERRY FORD OF POWAY (Continued) **S113011739**

Gen EPA ID:	CAD981997323
Shipment Date:	20021025
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021101
Manifest ID:	22134500
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020813
Creation Date:	3/13/2003 18:31:17
Receipt Date:	20020820
Manifest ID:	21748131
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2184
Waste Quantity:	52
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020529
Creation Date:	8/5/2002 18:31:21
Receipt Date:	20020529
Manifest ID:	21667347
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020117
Creation Date:	9/5/2002 18:30:37
Receipt Date:	20020205
Manifest ID:	21464706
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	AZ0000001560
Trans 2 Name:	Not reported
TSDF EPA ID:	KYD053348108
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020103
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20020103
Manifest ID:	21003154
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2502

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981997323
Shipment Date:	20141103
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141107
Manifest ID:	013460650JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140924
Creation Date:	11/8/2014 22:15:16
Receipt Date:	20141003
Manifest ID:	013455716JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140702
Creation Date:	9/13/2014 22:15:06
Receipt Date:	20140711
Manifest ID:	013248112JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140702
Creation Date:	8/24/2014 22:15:06
Receipt Date:	20140711
Manifest ID:	013248113JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD981997323
Shipment Date:	19961016

PERRY FORD OF POWAY (Continued) **S113011739**

Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961016
Manifest ID:	95807037
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.798
Waste Quantity:	190
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960819
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960820
Manifest ID:	96004163
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960710
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960711
Manifest ID:	95808025
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960506
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960507
Manifest ID:	95806835
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.386
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960424
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960430
Manifest ID:	95808401
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960424
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960430
Manifest ID:	95808401
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960209
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960210
Manifest ID:	95807486
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960112
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960119
Manifest ID:	95811703

PERRY FORD OF POWAY (Continued) **S113011739**

Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981997323
Shipment Date:	20121108
Creation Date:	1/9/2013 22:15:17
Receipt Date:	20121109
Manifest ID:	010440300JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD981997323
Shipment Date:	19971202
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971203
Manifest ID:	96828977

PERRY FORD OF POWAY (Continued) **S113011739**

Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971028
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971029
Manifest ID:	96806953
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971001
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971002
Manifest ID:	96828954
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues

PERRY FORD OF POWAY (Continued) **S113011739**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970826
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970827
Manifest ID:	96815619
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970721
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970721
Manifest ID:	96819018
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 5:	Not reported
Shipment Date:	19970612
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970613
Manifest ID:	96824551
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970421
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970421
Manifest ID:	96822782
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970324
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970402
Manifest ID:	96826064
Trans EPA ID:	CAL000827847
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970312
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970331
Manifest ID:	96005332
Trans EPA ID:	CAL000827847
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970303
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970303
Manifest ID:	96822775
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD981997323
Shipment Date:	20171108
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20171118
Manifest ID:	018041988JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	11/8/2018 18:30:41
Receipt Date:	20171012
Manifest ID:	017879018JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	11/8/2018 18:30:41
Receipt Date:	20171012
Manifest ID:	018041501JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170918
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20170920
Manifest ID:	017877485JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170829
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20170830
Manifest ID:	017481466JJK

PERRY FORD OF POWAY (Continued) **S113011739**

Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170619
Creation Date:	5/17/2018 18:31:41
Receipt Date:	20170621
Manifest ID:	017504686JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170515
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170526
Manifest ID:	017267380JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics

PERRY FORD OF POWAY (Continued) **S113011739**

RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170512
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170526
Manifest ID:	017267382JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170405
Creation Date:	5/20/2018 18:31:05
Receipt Date:	20170412
Manifest ID:	017070986JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170315
Creation Date:	5/12/2018 18:32:04
Receipt Date:	20170331
Manifest ID:	017070210JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD981997323
Shipment Date:	20110922
Creation Date:	12/9/2011 18:30:13
Receipt Date:	20110923
Manifest ID:	008786433JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	20110216
Creation Date:	4/22/2011 18:30:09
Receipt Date:	20110218
Manifest ID:	008046195JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981997323

Shipment Date:	19981215
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981216
Manifest ID:	98844094
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981117
Creation Date:	1/28/1999 0:00:00
Receipt Date:	19981130
Manifest ID:	98502830
Trans EPA ID:	CAD028277036

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981102
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981102
Manifest ID:	98511552
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980925
Creation Date:	11/19/1998 0:00:00
Receipt Date:	19980925
Manifest ID:	98166583
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980819
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980820
Manifest ID:	98003823
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980814
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980901
Manifest ID:	98165349
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	19980629
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980629
Manifest ID:	98159848
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980602
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980602
Manifest ID:	98003754
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980430
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980501
Manifest ID:	97228305
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980327
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980330
Manifest ID:	97228315
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD981997323

Shipment Date:	20070914
Creation Date:	3/4/2008 18:30:55
Receipt Date:	20070919
Manifest ID:	000554349SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

PERRY FORD OF POWAY (Continued) **S113011739**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070522
Creation Date:	12/20/2007 18:30:41
Receipt Date:	20070524
Manifest ID:	000499908SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.20016
Waste Quantity:	48
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070322
Creation Date:	9/20/2007 18:30:37
Receipt Date:	20070329
Manifest ID:	000398090SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070130
Creation Date:	8/9/2007 18:30:32
Receipt Date:	20070205
Manifest ID:	001680079JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070116
Creation Date:	6/11/2007 18:30:07
Receipt Date:	20070122
Manifest ID:	000381563SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD981997323

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:50
Receipt Date:	20151204
Manifest ID:	014792297JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150626
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150724
Manifest ID:	014524859JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150430
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150508
Manifest ID:	014523656JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150130
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20150206
Manifest ID:	013701267JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD981997323

Shipment Date:	20030926
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20031001
Manifest ID:	22517602
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030606
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030611
Manifest ID:	22675689
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030409
Creation Date:	6/21/2003 18:30:56
Receipt Date:	20030411
Manifest ID:	22440114
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1764
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030213
Creation Date:	5/19/2003 18:31:05
Receipt Date:	20030218
Manifest ID:	22430431
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981997323
Shipment Date:	20131219
Creation Date:	1/29/2014 22:15:13
Receipt Date:	20131227
Manifest ID:	012237478JJK
Trans EPA ID:	CAL000368136
Trans Name:	CLEANTECH ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18765
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Info:

Year:	2008
Gen EPA ID:	CAD981997323
Shipment Date:	20080421
Creation Date:	9/4/2008 18:30:17
Receipt Date:	20080425
Manifest ID:	000590391SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080421
Creation Date:	9/4/2008 18:30:17
Receipt Date:	20080425
Manifest ID:	000590391SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080214
Creation Date:	8/4/2008 18:30:22
Receipt Date:	20080221

PERRY FORD OF POWAY (Continued) **S113011739**

Manifest ID:	000990843SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2604
Waste Quantity:	62
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080103
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20080107
Manifest ID:	000670388SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD981997323

Shipment Date:	19940627
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940627
Manifest ID:	93722528
Trans EPA ID:	CAD028277036
Trans Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.617
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940426
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940426
Manifest ID:	93321288
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940425
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940425
Manifest ID:	93321663
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Tons:	1.428
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD981997323
Shipment Date:	20041202
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041206
Manifest ID:	23736537
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041130
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041209
Manifest ID:	23723705
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.36696
Waste Quantity:	88
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040813
Creation Date:	1/4/2005 18:33:27
Receipt Date:	20040820
Manifest ID:	23708434
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35028
Waste Quantity:	84
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040429
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040506
Manifest ID:	23464051
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.40032
Waste Quantity:	96
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040110
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20040121
Manifest ID:	22572813
Trans EPA ID:	TXR000050930

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD981997323
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:50
Receipt Date:	20151204
Manifest ID:	014792297JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150626
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150724
Manifest ID:	014524859JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
TSDF EPA ID:	AZD081705402

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150430
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150508
Manifest ID:	014523656JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150130
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20150206
Manifest ID:	013701267JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD981997323
Shipment Date:	20090518
Creation Date:	7/2/2009 18:30:08
Receipt Date:	20090526
Manifest ID:	001461034JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY AND OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.153
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD981997323
Shipment Date:	20051101
Creation Date:	5/24/2006 18:32:16
Receipt Date:	20051103
Manifest ID:	24741301
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Tons:	0.3696
Waste Quantity:	88
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051024
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051031
Manifest ID:	24743385
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.24186
Waste Quantity:	58
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050705
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050713
Manifest ID:	24502561
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.23352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	20050518
Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050520
Manifest ID:	24253168
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2772
Waste Quantity:	66
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050318
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050324
Manifest ID:	23667604
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.23352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981997323

Shipment Date:	19931018
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931018
Manifest ID:	93149936
Trans EPA ID:	CAD028277036

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920644404
EPA ID:	CAD981997323
Inactive Date:	Not reported
Create Date:	03/01/1988
Last Act Date:	07/17/2020
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920644404
Owner Name:	PERRY FALK
Owner Address:	12740 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	ROBERT TOOLE
Contact Address:	12740 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAD981997323
Create Date:	2002-10-09 14:20:28.170
NAICS Code:	44111
NAICS Description:	New Car Dealers
Issued EPA ID Date:	1988-03-01 00:00:00
Inactive Date:	Not reported
Facility Name:	PERRY FORD OF POWAY
Facility Address:	12740 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644404

M89 **317-540-61, -62** **US BROWNFIELDS** **1016346526**
West **12411 AND 12427 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.204 mi.
1079 ft. **Site 8 of 11 in cluster M**

Relative: **Lower**

Actual: **459 ft.**

US BROWNFIELDS:

Name:	317-540-61, -62
Address:	12411 AND 12427 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-61, -62
Parcel size:	1.38
Latitude:	32.951785
Longitude:	-117.06232
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39703
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Louis/Elda Vejraska 05-10-90, Burger King Corp.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-540-61, -62 (Continued) **1016346526**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-540-61, -62 (Continued) **1016346526**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Remax Associates and Teamwork Mortgage, and Burger King - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be fast-food restaurant and small office building. One groundwater monitoring well observed at 12427 Poway Road facility in landscaped area near Poway Road.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175
Unemployed Percent:	5.26

FINDS:
Registry ID: 110038708896

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M90 **TUNE CRAFT/POWAY CITY REDEVELOP** **ENVIROSTOR** **S100729280**
West **12430 POWAY RD** **LUST** **N/A**
1/8-1/4 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.205 mi. **CPS-SLIC**
1083 ft. **Site 9 of 11 in cluster M** **San Diego Co. HMMD**
SWEEPS UST
Relative: **Higher** **Cortese**
SAN DIEGO CO LOP
Actual: **476 ft.** **CERS**
HWTS

ENVIROSTOR:
Name: TUNE CRAFT(FORMER)
Address: 12430 POWAY RD.

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

City,State,Zip: POWAY, CA 92064
Facility ID: 37990006
Status: Refer: 1248 Local Agency
Status Date: 05/20/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 77
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.95210
Longitude: -117.0612
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37990006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607329605
Global Id: T0607329605
Latitude: 32.952116
Longitude: -117.06121

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

Status: Completed - Case Closed
Status Date: 05/08/2006
Case Worker: EM
RB Case Number: Not reported
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H13442-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607329605
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607329605
Action Type: ENFORCEMENT
Date: 05/08/2006
Action: Closure/No Further Action Letter

Global Id: T0607329605
Action Type: Other
Date: 04/17/2003
Action: Leak Began

Global Id: T0607329605
Action Type: Other
Date: 04/17/2003
Action: Leak Discovery

Global Id: T0607329605
Action Type: Other
Date: 09/18/2003
Action: Leak Stopped

Global Id: T0607329605
Action Type: Other
Date: 09/04/2003
Action: Leak Reported

LUST:
Global Id: T0607329605
Status: Open - Case Begin Date
Status Date: 04/17/2003

Global Id: T0607329605
Status: Completed - Case Closed
Status Date: 05/08/2006

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

SAN DIEGO CO. SAM:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Case Number:	H13442-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	5/8/2006
Date Began:	4/17/2003

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Case Number:	H13442-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/19/2006
Date Began:	Not reported

CPS-SLIC:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/19/2006
Global Id:	T06019724878
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13442-002
Latitude:	32.952116
Longitude:	-117.06121
Case Type:	Cleanup Program Site
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	TUNE CRAFT
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113442
Business Type:	6HK28
EPA Id Number:	CAL000004572
APN:	317-540-73-00
Last HMMD Inspection:	04/04/2000
Facility Telephone:	486-2240

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

Permit Status:	INAC
Permit Expiration:	04/04/2000
Date Last Updated:	11/02/2012
Facility Owner:	CALIFORNIA TUNE CRAFT INC.
Facility Mailing Address:	PO BO 711155
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92171-1155
UST Owner:	G W DUNSTER & LAURA DUNSTER
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113442 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113442
Tank Type:	SINGLE WALL
Additional Id:	01 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2000-02-18 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

SWEEPS UST:

Name:	TUNE CRAFT
Address:	12430 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	13442
Number:	9
Board Of Equalization:	44-022783
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013442-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	1

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

CORTESE:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607329605
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH2003-LSAM-H13442-001
Record Status:	Completed
Opened Date:	09/04/2003
Parcel Number:	317-540-73-00
Case Type:	LOP - Local Oversight Program
Historical Name:	TUNE CRAFT
SWRCB Global ID:	T0607329605
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	11/05/2003
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521014
Longitude:	-117.0612125
X MapCoord:	6312819.782
Y MapCoord:	1927172.593

CERS:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	202072

TUNE CRAFT/POWAY CITY REDEVELOP (Continued) **S100729280**

CERS ID: T06019724878
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 202072
CERS ID: T0607329605
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: TUNE CRAFT
Address: 12430 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 920640000
EPA ID: CAC001435928
Inactive Date: 10/25/2000
Create Date: 02/15/2000
Last Act Date: 10/25/2000
Mailing Name: BILL DUNSTER
Mailing Address: 411 SAN REMO WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN DIEGO, CA 921060000
Owner Name: BILL DUNSTER
Owner Address: 411 SAN REMO WAY
Owner Address 2: Not reported
Owner City,State,Zip: SAN DIEGO, CA 921060000
Contact Name: BUZZ NELSON/RESOURCES AMERICA
Contact Address: PO BOX 2823
Contact Address 2: Not reported
City,State,Zip: FALLBROOK, CA 920880000

M91 **317-540-73** **US BROWNFIELDS** **1016346530**
West **12430 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.205 mi.
1083 ft. **Site 10 of 11 in cluster M**

Relative:
Higher

Actual:
476 ft.

US BROWNFIELDS:

Name:	317-540-73
Address:	12430 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-73
Parcel size:	.16
Latitude:	32.952077
Longitude:	-117.061292
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39707
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Poway Redevelopment Agency (Former Dunster Prop)
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-540-73 (Continued) **1016346530**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-540-73 (Continued) **1016346530**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Vacant parcel adjacent to Ramada Limited.
Below Poverty Number:	164
Below Poverty Percent:	4.42
Meidan Income:	2016
Meidan Income Number:	803
Meidan Income Percent:	21.64
Vacant Housing Number:	94
Vacant Housing Percent:	6.86
Unemployed Number:	187
Unemployed Percent:	5.04

FINDS:
Registry ID: 110038708930

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P92 **STRIP JOINT THE** **RCRA-SQG** **1000260793**
WSW **12823 POMERADO RD** **FINDS** **CAD981654916**
1/8-1/4 **POWAY, CA 92064** **ECHO**
0.208 mi.
1097 ft. **Site 1 of 3 in cluster P**

Relative:
Lower

Actual:
448 ft.

RCRA-SQG:

Date Form Received by Agency:		1986-09-15 00:00:00.0
Handler Name:	STRIP JOINT THE	
Handler Address:		12823 POMERADO RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD981654916
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		12823 POMERADO RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-748-8895
Contact Fax:		Not reported
Contact Email:		Not reported

STRIP JOINT THE (Continued) **1000260793**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	12823 POMERADO
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	ROGER SULLIVAN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

STRIP JOINT THE (Continued) **1000260793**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:28:08.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROGER SULLIVAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1986-09-15 00:00:00.0
Handler Name: STRIP JOINT THE	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

STRIP JOINT THE (Continued) **1000260793**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002739252

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000260793
Registry ID:	110002739252
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002739252
Name:	STRIP JOINT THE
Address:	12823 POMERADO RD
City,State,Zip:	POWAY, CA 92064

P93 **WESTERN MOWER & ENGINE** **RCRA NonGen / NLR** **1024823969**
WSW **12823 POMERADO RD** **CAL000345839**
1/8-1/4 **POWAY, CA 92064**
0.208 mi.
1097 ft. **Site 2 of 3 in cluster P**

Relative: **Lower**
Actual: **448 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2009-08-18 00:00:00.0
Handler Name:	WESTERN MOWER & ENGINE
Handler Address:	12823 POMERADO RD
Handler City,State,Zip:	POWAY, CA 92064-5368
EPA ID:	CAL000345839
Contact Name:	MARTY MCCLUNG
Contact Address:	12823 POMERADO RD
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-748-2292
Contact Fax:	858-748-3120
Contact Email:	MARTY@WESTERNMOWER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

WESTERN MOWER & ENGINE (Continued) **1024823969**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12823 POMERADO RD
Mailing City,State,Zip:	POWAY, CA 92064-0000
Owner Name:	MARTY MCCLUNG
Owner Type:	Other
Operator Name:	MARTY MCCLUNG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

WESTERN MOWER & ENGINE (Continued) **1024823969**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:31:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARTY MCCLUNG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12823 POMERADO RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-748-2292
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARTY MCCLUNG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13035 SUDAN RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-748-2292
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2009-08-18 00:00:00.0
Handler Name:	WESTERN MOWER & ENGINE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44422
NAICS Description:	NURSERY, GARDEN CENTER, AND FARM SUPPLY STORES

Facility Has Received Notices of Violations:

WESTERN MOWER & ENGINE (Continued) **1024823969**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P94 **WESTERN MOWER AND ENGINE** **San Diego Co. HMMD** **S104745190**
WSW **12823 POMERADO RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS**
0.208 mi.
1097 ft. **Site 3 of 3 in cluster P**

Relative:
Lower

Actual:
448 ft.

HMMD SAN DIEGO:

Name:	WESTERN MOWER AND ENGINE
Address:	12823 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	211099
Business Type:	6HK26
EPA Id Number:	CAL000345839
APN:	317-550-01-00
Last HMMD Inspection:	01/11/2012
Facility Telephone:	858-748-2292
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	MARTY MCCLUNG
Facility Mailing Address:	12823 POMERADO RD
Facility Mailing City:	Poway
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	WASTE GASOLINE; 2 STROKE GAS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	211099

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: HAULER: NAPA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211099
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211099
Update Date: 11/02/2012
Inspection Date: 01/11/2012
Violation Code: 6HV0214
Violation: WASTE OIL CONTAMINATED
Violation Citation: Generator of waste oil has improperly contaminated the waste oil with other hazardous wastes. HSC 25250.7
Activity: ACTIVE

Name: THE STRIP JOINT
Address: 12823 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 101027
Business Type: Not reported
EPA Id Number: Not reported
APN: 317-550-01-00
Last HMMD Inspection: 10/02/1987
Facility Telephone: 858-748-8895
Permit Status: INAC
Permit Expiration: 10/02/1987
Date Last Updated: 11/02/2012
Facility Owner: ROGER SULLIVAN
Facility Mailing Address: 12823 POMERADO RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-5323
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: WESTERN MOWER AND ENGINE
Address: 12823 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 211099

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Business Type:	6HK26
EPA Id Number:	CAL000345839
APN:	317-550-01-00
Last HMMD Inspection:	01/11/2012
Facility Telephone:	858-748-2292
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	MARTY MCCLUNG
Facility Mailing Address:	12823 POMERADO RD
Facility Mailing City:	Poway
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	WASTE GASOLINE; 2 STROKE GAS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	HAULER: NAPA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211099
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Violations Active Permits:

Permit Number:	211099
Update Date:	11/02/2012
Inspection Date:	01/11/2012
Violation Code:	6HV0214
Violation:	WASTE OIL CONTAMINATED
Violation Citation:	Generator of waste oil has improperly contaminated the waste oil with other hazardous wastes. HSC 25250.7
Activity:	ACTIVE

Name:	WESTERN MOWER AND ENGINE
Address:	12823 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000345839
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-748-2292
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/26/2020
Facility Owner:	Not reported
Facility Mailing Address:	12823 POMERADO RD, POWAY, CA 92064
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6119399
Return To Compliance Date:	2019-08-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2019-04-18T00:00:00.000
Violation Code:	3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Facility Id Number:	37-000-211099
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6119399
Return To Compliance Date:	2019-08-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2019-04-18T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646692
Return To Compliance Date:	2017-03-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2017-02-28T07:04:00.000
Violation Code:	1010006 HMBP not updated to reflect inventory changes or facility information. HSC 25508.1(a-e)

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5646692
Return To Compliance Date:	2017-03-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2017-02-28T07:04:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4098123

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Return To Compliance Date:	2015-04-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2015-03-24T00:00:00.000
Violation Code:	3020001 Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response. 22 CCR 12 66262.34(d)(2); 40 CFR 1 262.34(d)(5)(iii)

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646692
Return To Compliance Date:	2017-03-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2017-02-28T07:04:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6119399
Return To Compliance Date:	2019-08-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2019-04-18T00:00:00.000
Violation Code:	HMD0226 Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646692
Return To Compliance Date:	2017-03-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2017-02-28T07:04:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)
Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-211099
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646692
Return To Compliance Date:	2017-03-29T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-03-26T07:00:22.000
Inspection Date:	2017-02-28T07:04:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Waste and Materials:

Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0048265
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-01-20T02:31:51.000
Chemical Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name:	WASTE GASOLINE; 2 STROKE GAS
Case Number:	Not reported
Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0048266
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-01-20T02:31:51.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported
Record ID:	DEH2009-HUPFP-211099
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0228067
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-26T07:00:26.000
Chemical Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name:	WASTE GASOLINE; 2 STROKE GAS
Case Number:	Not reported

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228068
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-26T07:00:26.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228069
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-26T07:00:26.000
Chemical Name: waste parts washer filter
Common Name: waste parts washer filter
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192364
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-15T02:31:00.000
Chemical Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name: WASTE GASOLINE; 2 STROKE GAS
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192365
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-15T02:31:00.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192366
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-15T02:31:00.000
Chemical Name: waste parts washer filter
Common Name: waste parts washer filter
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0117911
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-03T02:30:23.000
Chemical Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name: WASTE GASOLINE; 2 STROKE GAS
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0117912
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-03T02:30:23.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166358
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-01T02:32:24.000
Chemical Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name: WASTE GASOLINE; 2 STROKE GAS
Case Number: Not reported

Record ID: DEH2009-HUPFP-211099
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166359
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-01T02:32:24.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

CERS HAZ WASTE:
Name: WESTERN MOWER AND ENGINE
Address: 12823 POMERADO RD
City,State,Zip: POWAY, CA 92064
Site ID: 171329
CERS ID: 10374814
CERS Description: Hazardous Waste Generator

CERS:
Name: WESTERN MOWER AND ENGINE
Address: 12823 POMERADO RD
City,State,Zip: POWAY, CA 92064
Site ID: 171329

WESTERN MOWER AND ENGINE (Continued) **S104745190**

CERS ID: 10374814
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 02-28-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/09/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 04-18-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/01/2019. Inspection Sequence ID:6119399;Violation:HMD0226 Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 02-28-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 03/29/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 02-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 03/29/2017.
Violation Division: San Diego County Department of Env Health

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 02-28-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 03/02/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 04-18-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 08/01/2019. Inspection Sequence ID:6119399
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 04-18-2019
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 08/01/2019. Inspection Sequence ID:6119399
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 171329
Site Name: WESTERN MOWER AND ENGINE
Violation Date: 02-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/29/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2017

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5646692
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-28-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5646692
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-24-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4098123
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-18-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6119399
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-18-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6119399
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	171329
Facility Name:	WESTERN MOWER AND ENGINE
Env Int Type Code:	HWG
Program ID:	10374814
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.949640
Longitude:	-117.062150

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	MARTY MCCLUNG

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12823 POMERADO RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	MARTY MCCLUNG
Entity Title:	Not reported
Affiliation Address:	12823 POMERADO RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 395-3021
Affiliation Type Desc:	Operator
Entity Name:	MARTY MCCLUNG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-2292
Affiliation Type Desc:	Parent Corporation
Entity Name:	WESTERN MOWER AND ENGINE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

WESTERN MOWER AND ENGINE (Continued) **S104745190**

Affiliation Type Desc:	Document Preparer
Entity Name:	Marty McClung
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	MARTY MCCLUNG
Entity Title:	Not reported
Affiliation Address:	12823 POMERADO RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

N95
NNE
1/8-1/4
0.214 mi.
1132 ft.

CONROYS FLOWERS
12775 POWAY RD
POWAY, CA 92064

Site 6 of 7 in cluster N

SAN DIEGO CO. SAM **S104752975**
CPS-SLIC **N/A**
San Diego Co. HMMD
SAN DIEGO CO LOP
CERS

Relative:
Higher

Actual:
493 ft.

SAN DIEGO CO. SAM:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 920644443
Case Number:	H32109-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/17/2007
Date Began:	10/18/1990

CPS-SLIC:

Name:	CONROY'S FLOWERS
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/17/2007
Global Id:	SLT9S0064213
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H32109-001
Latitude:	32.9559095146185
Longitude:	-117.054231890877
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT9S006
File Location:	Regional Board
Potential Media Affected:	Not reported

CONROYS FLOWERS (Continued) **S104752975**

Potential Contaminants of Concern: Not reported
Site History: Contamination likely originated from 4 other off-site USTs (H20710-001, H13170-001). No on-site uses of contaminants of concern.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	132109
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	317-490-02-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	FLOWER REALTY INC
Facility Mailing Address:	6621 E PACIFIC COAST HY #280
Facility Mailing City:	LONG BEACH
Facility Mailing State:	CA
Facility Mailing Zip:	90803-4200
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO LOP:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1992-LSAM-H32109-001
Record Status:	Completed
Opened Date:	10/23/1992
Parcel Number:	317-490-02-00
Case Type:	Not reported
Historical Name:	CONROY'S FLOWERS
SWRCB Global ID:	SLT9S0064213
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	12/01/1994
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9558908
Longitude:	-117.0542523
X MapCoord:	6314965.152
Y MapCoord:	1928529.316

CONROYS FLOWERS (Continued) **S104752975**

CERS:

Name:	CONROY'S FLOWERS
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Site ID:	225734
CERS ID:	SLT9S0064213
CERS Description:	Cleanup Program Site

N96 **317-490-02** **US BROWNFIELDS** **1016347231**
NNE **12775 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.214 mi.
1132 ft. **Site 7 of 7 in cluster N**

Relative:
Higher

Actual:
493 ft.

US BROWNFIELDS:

Name:	317-490-02
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-02
Parcel size:	.67
Latitude:	32.956218
Longitude:	-117.053967
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	39793
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Michael/Darci Wishnack, Animal Emergency Clinic
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-

317-490-02 (Continued) **1016347231**

Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-

317-490-02 (Continued) **1016347231**

Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Animal Emergency Clinic - Facility observed to consist of one building, and parking and landscaped areas. Three groundwater monitoring wells observed at facility and two sets of wells observed adjacent to facility in Carriage Road. Groundwater monitoring wells appear to be associated with adjacent ARCO gas station.
Below Poverty Number:	233
Below Poverty Percent:	4.15
Meidan Income:	8060
Meidan Income Number:	976
Meidan Income Percent:	17.38
Vacant Housing Number:	132
Vacant Housing Percent:	6.61
Unemployed Number:	258
Unemployed Percent:	4.59

FINDS:
Registry ID: 110038719223

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Q97
WSW
1/8-1/4
0.218 mi.
1150 ft.

A POWAY DENTAL GROUP
12921 POMERADO RD
POWAY, CA 92064

Site 1 of 4 in cluster Q

RCRA NonGen / NLR **1026056222**
CAL000452408

Relative:
Lower

Actual:
454 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-01-31 00:00:00.0
Handler Name:	A POWAY DENTAL GROUP	
Handler Address:		12921 POMERADO RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAL000452408
Contact Name:		EDWARD FARAJZADEH
Contact Address:		12921 POMERADO RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-619-4949
Contact Fax:		858-792-0536
Contact Email:		APOWAYDENTA@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12921 POMERADO RD
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		EDWARD FARAJZADEH
Owner Type:		Other
Operator Name:		EDWARD FARAJZADEH
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

A POWAY DENTAL GROUP (Continued) **1026056222**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-02-10 17:54:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARD FARAJZADEH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12921 POMERADO RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-679-4949
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARD FARAJZADEH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12921 POMERADO RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-619-4949
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

A POWAY DENTAL GROUP (Continued) **1026056222**

Historic Generators:
Receive Date: 2020-01-31 00:00:00.0
Handler Name: A POWAY DENTAL GROUP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 621210
NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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98 WNW 1/8-1/4 0.220 mi. 1162 ft.

317-151-59, AND 316-120-16
12200 BLOCK OF POWAY ROAD
POWAY, CA 92064

US BROWNFIELDS FINDS **1016346567 N/A**

Relative: Higher

Actual: 505 ft.

US BROWNFIELDS:
Name: 317-151-59, AND 316-120-16
Address: 12200 BLOCK OF POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-151-59, and 316-120-16
Parcel size: 2.98
Latitude: 32.954054
Longitude: -117.061105
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 39765
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA

317-151-59, AND 316-120-16 (Continued) **1016346567**

Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Shalanati LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-

317-151-59, AND 316-120-16 (Continued) **1016346567**

VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Oak Knoll Plaza - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	169
Below Poverty Percent:	4.33
Meidan Income:	1267
Meidan Income Number:	860
Meidan Income Percent:	22.04
Vacant Housing Number:	97
Vacant Housing Percent:	6.8
Unemployed Number:	194
Unemployed Percent:	4.97

317-151-59, AND 316-120-16 (Continued) **1016346567**

FINDS:
Registry ID: 110038709911

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O99 **RITE AID #5637** **RCRA-LQG** **1016954743**
North **12666 POWAY RD** **CAL000379873**
1/8-1/4 **POWAY, CA 92064**
0.223 mi.
1177 ft. **Site 5 of 6 in cluster O**

Relative: RCRA-LQG:
Higher

Actual: Date Form Received by Agency: 2014-03-01 00:00:00.0
485 ft. Handler Name: RITE AID #5637
Handler Address: 12666 POWAY RD
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAL000379873
Contact Name: STEPHANIE A CAIATI
Contact Address: HUNTER LN
Contact City,State,Zip: CAMP HILL, PA 17011
Contact Telephone: 717-730-8255
Contact Fax: 717-972-3989
Contact Email: SSCAIATI@RITEAID.COM
Contact Title: DIRECTOR, EH&S
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2013
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: HUNTER LN
Mailing City,State,Zip: CAMP HILL, PA 17011
Owner Name: THRIFTY PAYLESS
Owner Type: Private
Operator Name: RITE AID CORP
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No

RITE AID #5637 (Continued) **1016954743**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2014-11-20 17:13:31.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

RITE AID #5637 (Continued) **1016954743**

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 1997-02-04 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THRIFTY PAYLESS
Legal Status: Private
Date Became Current: 1997-02-04 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LN
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2014-03-01 00:00:00.0
Handler Name: RITE AID #5637
Federal Waste Generator Description: Large Quantity Generator

RITE AID #5637 (Continued) **1016954743**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O100 **RITE AID NO 5637** **RCRA NonGen / NLR** **1014387663**
North **12666 POWAY RD** **HAZNET** **CAR000212340**
1/8-1/4 **POWAY, CA 92064** **HWTS**
0.223 mi.
1177 ft. **Site 6 of 6 in cluster O**

Relative:
Higher

Actual:
485 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2017-06-15 00:00:00.0
Handler Name: RITE AID NO 5637
Handler Address: 12666 POWAY RD
Handler City,State,Zip: POWAY, CA 92064-4416
EPA ID: CAR000212340
Contact Name: STEPHANIE A CAIATI
Contact Address: 30 HUNTER LN
Contact City,State,Zip: CAMP HILL, PA 17011
Contact Telephone: 717-730-8225
Contact Fax: 717-972-3989
Contact Email: SSCAIATI@RITEAID.COM
Contact Title: DIR ENV H AND S
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,State,Zip: CAMP HILL, PA 17011
Owner Name: POWAY CROSSINGS INVESTORS LLC
Owner Type: Private
Operator Name: THRIFTY PAYLESS INC
Operator Type: Private
Short-Term Generator Activity: No

RITE AID NO 5637 (Continued) **1014387663**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-06-16 10:42:41.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2015

RITE AID NO 5637 (Continued) **1014387663**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D026
Waste Description:	CRESOL
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	P001
Waste Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste Code:	P075
Waste Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U080
Waste Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

RITE AID NO 5637 (Continued) **1014387663**

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U279
Waste Description: U279

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	POWAY CROSSINGS INVESTORS LLC
Legal Status:	Private
Date Became Current:	1986-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2601 S BAYSHORE DR #900
Owner/Operator City,State,Zip:	COCONUT GROVE, FL 33133
Owner/Operator Telephone:	305-858-4225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	POWAY CROSSINGS INVESTORS LLC
Legal Status:	Private
Date Became Current:	1986-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2601 S BAYSHORE DR
Owner/Operator City,State,Zip:	COCONUT GROVE, FL 33133-0000
Owner/Operator Telephone:	305-858-4225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THRIFTY PAYLESS INC
Legal Status:	Private
Date Became Current:	1997-02-04 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RITE AID CORP
Legal Status:	Private
Date Became Current:	1962-09-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225

RITE AID NO 5637 (Continued) **1014387663**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	RITE AID CORP
Legal Status:	Private
Date Became Current:	1962-09-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THRIFTY PAYLESS INC
Legal Status:	Private
Date Became Current:	1997-02-04 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	POWAY CROSSINGS INVESTORS LLC
Legal Status:	Private
Date Became Current:	1986-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2601 S BAYSHORE DR
Owner/Operator City,State,Zip:	COCONUT GROVE, FL 33133-0000
Owner/Operator Telephone:	305-858-4225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THRIFTY PAYLESS INC
Legal Status:	Private
Date Became Current:	1997-02-04 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2017-04-14 00:00:00.0
Handler Name: RITE AID #5637	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2010-09-03 00:00:00.0
Handler Name: RITE AID 5637
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-07-30 00:00:00.0
Handler Name: RITE AID NO 5637
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2017-06-15 00:00:00.0
Handler Name: RITE AID NO 5637
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

RITE AID NO 5637 (Continued) **1014387663**

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: RITE AID #5637
Address: 12666 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 920640000
Contact: DAVID CROZIER
Telephone: 7179758643
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN

Year: 2017
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.003

Year: 2017
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0145

Year: 2017
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.013

Year: 2016
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0185

Year: 2016
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.003

Year: 2016
Gepaid: CAR000212340

RITE AID NO 5637 (Continued) **1014387663**

TSD EPA ID: CAD008364432
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.019

Year: 2016
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.004

Year: 2015
Gepaid: CAR000212340
TSD EPA ID: NVD980895338
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001

Year: 2015
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.004

Year: 2015
Gepaid: CAR000212340
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0245

Click this hyperlink while viewing on your computer to access
9 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2015
Gen EPA ID: CAR000212340

Shipment Date: 20151105
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008634078FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported

RITE AID NO 5637 (Continued) **1014387663**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	5/12/2016 9:59:57
Receipt Date:	20151117
Manifest ID:	008634079FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1

RITE AID NO 5637 (Continued) **1014387663**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

RITE AID NO 5637 (Continued) **1014387663**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D001

RITE AID NO 5637 (Continued) **1014387663**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000212340
Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11

RITE AID NO 5637 (Continued) **1014387663**

Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151105
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151105
Creation Date:	5/12/2016 9:59:57
Receipt Date:	20151117
Manifest ID:	008634079FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151116
Manifest ID:	008634078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001

RITE AID NO 5637 (Continued) **1014387663**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151105
Creation Date: 1/19/2016 22:15:12
Receipt Date: 20151116
Manifest ID: 008634078FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2011
Gen EPA ID: CAR000212340

Shipment Date: 20111025
Creation Date: 4/11/2012 20:30:30
Receipt Date: 20111114
Manifest ID: 005012433FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

RITE AID NO 5637 (Continued) **1014387663**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111025
Creation Date:	4/11/2012 20:30:30
Receipt Date:	20111114
Manifest ID:	005012433FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111025
Creation Date:	4/11/2012 20:30:30
Receipt Date:	20111114
Manifest ID:	005012433FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111025
Creation Date:	4/11/2012 20:30:30
Receipt Date:	20111114
Manifest ID:	005012433FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAR000212340
Shipment Date:	20170508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Shipment Date:	20170508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.031
Waste Quantity:	62
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

RITE AID NO 5637 (Continued) **1014387663**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0755
Waste Quantity:	151
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170508
Creation Date:	6/27/2018 18:30:27
Receipt Date:	20170516
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170508
Creation Date:	6/27/2018 18:30:27
Receipt Date:	20170516
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D026

RITE AID NO 5637 (Continued) **1014387663**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D024
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170508
Creation Date:	6/27/2018 18:30:27
Receipt Date:	20170516
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170508
Creation Date:	6/27/2018 18:30:27
Receipt Date:	20170516
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009200166FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1685
Waste Quantity:	337
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170316
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010110023FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.057
Waste Quantity:	114
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000212340

RITE AID NO 5637 (Continued) **1014387663**

Shipment Date:	20120905
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120924
Manifest ID:	005520983FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120905
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120924
Manifest ID:	005520983FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120905
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120924
Manifest ID:	005520983FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION

RITE AID NO 5637 (Continued) **1014387663**

TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120905
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120924
Manifest ID:	005520983FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005521899FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported

RITE AID NO 5637 (Continued) **1014387663**

Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005521899FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120625
Manifest ID:	005521899FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

RITE AID NO 5637 (Continued) **1014387663**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120625
Manifest ID:	005521899FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120625
Manifest ID:	005521899FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120625
Manifest ID:	005521899FLE

RITE AID NO 5637 (Continued) **1014387663**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	RITE AID #5637
Address:	12666 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAR000212340
Inactive Date:	07/11/2017
Create Date:	09/27/2010
Last Act Date:	11/01/2018
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CAMP HILL, PA 17011
Owner Name:	THRIFTY PAYLESS INC
Owner Address:	30 HUNTER LN
Owner Address 2:	Not reported
Owner City,State,Zip:	CAMP HILL, PA 17011
Contact Name:	DAVID CROZIER
Contact Address:	30 HUNTER LANE
Contact Address 2:	Not reported
City,State,Zip:	CAMP HILL, PA 17011

NAICS:

EPA ID:	CAR000212340
Create Date:	2017-07-18 11:16:40.040
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2010-09-27 10:29:28
Inactive Date:	2017-07-11 00:00:00
Facility Name:	RITE AID #5637
Facility Address:	12666 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920640000

M101 **317-540-47** **US BROWNFIELDS** **1016346524**
West **12424 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.225 mi.
1186 ft. **Site 11 of 11 in cluster M**

Relative:
Higher

Actual:
480 ft.

US BROWNFIELDS:

Name:	317-540-47
Address:	12424 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-47
Parcel size:	.6
Latitude:	32.952026
Longitude:	-117.061875
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39701
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	Jack in the Box, Inc., Mira Mesa Square
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-540-47 (Continued) **1016346524**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-540-47 (Continued) **1016346524**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Jack-in-the-Box - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Below Poverty Number:	163
Below Poverty Percent:	4.3
Meidan Income:	1964
Meidan Income Number:	818
Meidan Income Percent:	21.58
Vacant Housing Number:	94
Vacant Housing Percent:	6.73
Unemployed Number:	192
Unemployed Percent:	5.07

FINDS:
Registry ID: 110038708878

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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102 SE 1/8-1/4 0.226 mi. 1191 ft.

CHARLENE THOMPSON
12808 METATE LN
POWAY, CA 92064

RCRA NonGen / NLR **1025848936** **CAC003028990**

Relative: Higher

Actual: 469 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-08-12 00:00:00.0
Handler Name:	CHARLENE THOMPSON	
Handler Address:		12808 METATE LN
Handler City,State,Zip:		POWAY, CA 92064-5708
EPA ID:		CAC003028990
Contact Name:		CHARLENE THOMPSON
Contact Address:		12808 METATE LN
Contact City,State,Zip:		POWAY, CA 92064-5708
Contact Telephone:		858-922-3473

CHARLENE THOMPSON (Continued) **1025848936**

Contact Fax:	Not reported
Contact Email:	CMT729@COX.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12808 METATE LN
Mailing City,State,Zip:	POWAY, CA 92064-5708
Owner Name:	CHARLENE THOMPSON
Owner Type:	Other
Operator Name:	CHARLENE THOMPSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

CHARLENE THOMPSON (Continued) **1025848936**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-09-10 15:06:48.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHARLENE THOMPSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12808 METATE LN
Owner/Operator City,State,Zip:	POWAY, CA 92064-5708
Owner/Operator Telephone:	858-922-3473
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHARLENE THOMPSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12808 METATE LN
Owner/Operator City,State,Zip:	POWAY, CA 92064-5708
Owner/Operator Telephone:	858-922-3473
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-08-12 00:00:00.0
Handler Name: CHARLENE THOMPSON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CHARLENE THOMPSON (Continued) **1025848936**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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103 SHELLY PHILLIPS **RCRA NonGen / NLR** **1026477764**
East 12947 CONLEY STREET **CAC003083617**
1/8-1/4 POWAY, CA 92064
0.228 mi.
1205 ft.

Relative: Higher
Actual: 468 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-09-14 00:00:00.0
Handler Name:	SHELLY PHILLIPS	
Handler Address:		12947 CONLEY STREET
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003083617
Contact Name:		SHELLY PHILLIPS
Contact Address:		12947 CONLEY STREET
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-204-3909
Contact Fax:		Not reported
Contact Email:		VANESSABRONDSTETTER@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12947 CONLEY STREET
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		SHELLY PHILLIPS
Owner Type:		Other
Operator Name:		SHELLY PHILLIPS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

SHELLY PHILLIPS (Continued) **1026477764**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-09-20 14:39:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SHELLY PHILLIPS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12947 CONLEY STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-204-3909
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

SHELLY PHILLIPS (Continued) **1026477764**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SHELLY PHILLIPS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12947 CONLEY STREET
Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 858-204-3909
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-09-14 00:00:00.0
Handler Name: SHELLY PHILLIPS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R104 **CHEVRON (G&M #112)** **SAN DIEGO CO. SAM** **U003938801**
West **12410 POWAY RD** **UST** **N/A**
1/8-1/4 **POWAY, CA 92064** **San Diego Co. HMMD**
0.249 mi. **SWEEPS UST**
1314 ft. **Site 1 of 13 in cluster R** **Cortese**
SAN DIEGO CO LOP

Relative:
Higher

Actual:
467 ft.

SAN DIEGO CO. SAM:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 920644303
Case Number: H05705-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 4/24/1996

CHEVRON (G&M #112) (Continued) **U003938801**

Date Began: 2/28/1994

UST:
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility ID: 37-000-201047
Permitting Agency: San Diego County Department of Environmental Health
Latitude: 32.95215
Longitude: -117.06211

Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility ID: H05705
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.9535
Longitude: -117.060759

HMMD SAN DIEGO:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 105705
Business Type: 6HK28
EPA Id Number: CAL000130963
APN: 317-540-46-00
Last HMMD Inspection: 07/19/2002
Facility Telephone: 858-748-3300
Permit Status: CHNG
Permit Expiration: 06/30/2002
Date Last Updated: 11/02/2012
Facility Owner: CHEVRON USA INC
Facility Mailing Address: PO BOX 6004
Facility Mailing City: SAN RAMON
Facility Mailing State: CA
Facility Mailing Zip: 94583-
UST Owner: CHEVRON USA INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 105705 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105705
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 7500
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1961-01-01 00:00:00

CHEVRON (G&M #112) (Continued) **U003938801**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 105705 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 105705 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 105705 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CHEVRON (G&M #112) (Continued) **U003938801**

UST Name:	UNDERGROUND TANK 105705 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	DOUBLE WALL
Additional Id:	1 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105705 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	DOUBLE WALL
Additional Id:	2 UNLEADED
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105705 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	DOUBLE WALL
Additional Id:	3 UNLEADED
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

SWEEPS UST:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Active

CHEVRON (G&M #112) (Continued) **U003938801**

Comp Number: 5705
Number: 9
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Active
Comp Number: 5705
Number: 9
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Active
Comp Number: 5705
Number: 9
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: CHEVRON #94955

CHEVRON (G&M #112) (Continued) **U003938801**

Address:	12410 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	5705
Number:	Not reported
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005705-000001
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	4

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	5705
Number:	Not reported
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005705-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	5705
Number:	Not reported
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005705-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported

CHEVRON (G&M #112) (Continued) **U003938801**

Number Of Tanks: Not reported

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 5705
Number: Not reported
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

CORTESE:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 920644303
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607301492
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

SAN DIEGO CO LOP:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1994-LSAM-H05705-001
Record Status: Completed
Opened Date: 02/28/1994
Parcel Number: 317-540-46-00

CHEVRON (G&M #112) (Continued) **U003938801**

Case Type:	LOP - Local Oversight Program
Historical Name:	CHEVRON #9-4955
SWRCB Global ID:	T0607301492
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/07/1994
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521511
Longitude:	-117.0621083
X MapCoord:	6312544.552
Y MapCoord:	1927196.638

R105 **G & M #112** **RCRA NonGen / NLR** **1024802901**
West **12410 POWAY RD** **CAL000249845**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1314 ft. **Site 2 of 13 in cluster R**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:		2002-04-11 00:00:00.0
Handler Name:	G & M #112	
Handler Address:		12410 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAL000249845
Contact Name:		SOLEDAD GERMAN
Contact Address:		16868 A LANE
Contact City,State,Zip:		HUNTINGTON BEACH, CA 92647
Contact Telephone:		714-375-4700
Contact Fax:		714-375-2009
Contact Email:		SGERMAN@GMOC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		16868 A LN
Mailing City,State,Zip:		HUNTINGTON BEACH, CA 92647-4831
Owner Name:		G & M OIL CO LLC
Owner Type:		Other
Operator Name:		SOLEDAD GERMAN
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

Actual:
467 ft.

G & M #112 (Continued) **1024802901**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:45:57.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLEDAD GERMAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16868 A LANE

G & M #112 (Continued) **1024802901**

Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92647
Owner/Operator Telephone:	714-375-4700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	G & M OIL CO LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16868 A LN
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92647-0000
Owner/Operator Telephone:	714-375-4700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2002-04-11 00:00:00.0
Handler Name: G & M #112	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44711
NAICS Description:	GASOLINE STATIONS WITH CONVENIENCE STORES
NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

R106 **CHEVRON 94955** **RCRA NonGen / NLR** **1024795057**
West **12410 POWAY RD** **CAL000159372**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1314 ft. **Site 3 of 13 in cluster R**

Relative: **Higher**

Actual: **467 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1995-06-26 00:00:00.0
Handler Name:	CHEVRON 94955	
Handler Address:		12410 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064-0000
EPA ID:		CAL000159372
Contact Name:		KWAME AWUKU
Contact Address:		6001 BOLLINGER CANYON RD.
Contact City,State,Zip:		SAN RAMON, CA 94583
Contact Telephone:		877-386-6044
Contact Fax:		866-849-4435
Contact Email:		NAWTDESK@CHEVRON.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 6004
Mailing City,State,Zip:		SAN RAMON, CA 94583-0000
Owner Name:		CHEVRON CUNDIFF
Owner Type:		Other
Operator Name:		KWAME AWUKU
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CHEVRON 94955 (Continued) **1024795057**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:43:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON CUNDIFF
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583-0000
Owner/Operator Telephone:	877-386-6044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KWAME AWUKU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6001 BOLLINGER CANYON RD.
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	877-386-6044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHEVRON 94955 (Continued) **1024795057**

Historic Generators:
- Receive Date: 1995-06-26 00:00:00.0
- Handler Name: CHEVRON 94955
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 447110
- NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

- NAICS Code: 44719
- NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

R107 **CHEVRON (G&M #112)** **RCRA-SQG** **1000905106**
West **12410 POWAY RD** **US BROWNFIELDS** **CA0000333781**
1/8-1/4 **POWAY, CA 92064** **FINDS**
0.249 mi. **ECHO**
1314 ft. **Site 4 of 13 in cluster R**

Relative: **Higher**
Actual: **467 ft.**

RCRA-SQG:
- Date Form Received by Agency: 1994-05-05 00:00:00.0
- Handler Name: CHEVRON STATION 94955
- Handler Address: 12410 POWAY RD
- Handler City,State,Zip: POWAY, CA 92064
- EPA ID: CA0000333781
- Contact Name: WILLIAM B WRIGHT
- Contact Address: 12410 POWAY RD
- Contact City,State,Zip: POWAY, CA 92064
- Contact Telephone: 619-748-3300
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Private
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported

CHEVRON (G&M #112) (Continued) **1000905106**

Mailing Address:	POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	CHEVRON USA PRODUCTS CO
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:31:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

CHEVRON (G&M #112) (Continued) **1000905106**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2833
Owner/Operator City,State,Zip:	LA HABRA, CA 90632-2833
Owner/Operator Telephone:	310-694-7452
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1994-05-05 00:00:00.0
Handler Name: CHEVRON STATION 94955	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

US BROWNFIELDS:

Name:	317-540-46
Address:	12410 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-46
Parcel size:	.5
Latitude:	32.952001
Longitude:	-117.062395
HCM Label:	-

CHEVRON (G&M #112) (Continued) **1000905106**

Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39700
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	G&M Oil Co., LLC
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N

CHEVRON (G&M #112) (Continued) **1000905106**

Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

CHEVRON (G&M #112) (Continued) **1000905106**

Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Chevron gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, and approximately 3 groundwater monitoring wells. An additional monitoring well was observed nearby in Pomerado Road.
Below Poverty Number:	148
Below Poverty Percent:	4.29
Meidan Income:	2455
Meidan Income Number:	798
Meidan Income Percent:	23.11
Vacant Housing Number:	88
Vacant Housing Percent:	6.82
Unemployed Number:	179
Unemployed Percent:	5.18

FINDS:
Registry ID: 110055770358

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110038708869

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110002616928

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000905106
Registry ID:	110002616928
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002616928
Name:	G&M OIL CO LLC

CHEVRON (G&M #112) (Continued) **1000905106**

Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064

Envid: 1000905106
Registry ID: 110055770358
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055770358
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064

R108 **94955** **HIST UST** **U001572083**
West **12410 POWAY** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1314 ft. **Site 5 of 13 in cluster R**

Relative: HIST UST:
Higher
Actual: Name: 94955
467 ft. Address: 12410 POWAY
City,State,Zip: POWAY, CA 92064
File Number: 0002AE71
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AE71.pdf
Region: STATE
Facility ID: 00000062694
Facility Type: Gas Station
Other Type: Not reported
Contact Name: WRIGHT,WILLIAM B
Telephone: 6197489957
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1961
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1961
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1961
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000170

94955 (Continued) **U001572083**

Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1961
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000100
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

R109 **G&M OIL CO LLC** **LUST** **S101308180**
West **12410 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS HAZ WASTE**
0.249 mi. **CERS TANKS**
1314 ft. **Site 6 of 13 in cluster R** **EMI**
HIST CORTESE
Relative: **CERS**
Higher

Actual: **467 ft.**

LUST:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301492
Global Id:	T0607301492
Latitude:	32.9519897
Longitude:	-117.0620681
Status:	Completed - Case Closed
Status Date:	07/30/2013
Case Worker:	EB
RB Case Number:	9UT2737
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H05705-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case was opened on February 28, 1994, following the discovery of dissolved phase gasoline constituents in a monitoring well (MW-16) installed in the sidewalk adjacent to the Chevron station by Shell Oil Company. The Shell station (Case H03181-001) is located south and down-gradient of the Chevron station at 12365 Poway Road. Soil samples were collected from soil borings, nine monitoring well borings, and from beneath the product line trenches during station upgrade activities. The soil data indicated that contaminated soil is present at the location of the former western dispenser area, near the current underground storage tanks (USTs) and at the former UST area and dispenser area in the southwest corner of the site. The contaminated soil is present at depths of 14 to 22 feet below ground surface (bgs). The consultant estimated that 318 cubic yards of contaminated soil remain onsite. Nine monitoring wells (four onsite and five offsite) were installed as part of the site investigation between 1996 and 2011. Groundwater monitoring began on April 24, 1996 and continued until April 26, 2012. Free product was observed in Shell well MW-16, located in the sidewalk adjacent to the Chevron

G&M OIL CO LLC (Continued) **S101308180**

Station from 4/20/1996 to 10/8/1996. Free product was not detected in any other site monitoring wells. Dissolved gasoline, benzene, ethylbenzene, toluene, xylenes, methyl tertiary butyl ether (MTBE) and tert butyl alcohol were detected in the groundwater in the source area monitoring wells (MW2 and/or MW3) and down-gradient (MW5). MTBE was also detected in offsite well MW7. Tert butyl alcohol (TBA) was detected in well MW2, MW3 and down-gradient well MW5. The consultant stated that the dissolved benzene and ethyl benzene plumes appeared to originate at the former UST and dispenser area at the southwest corner of the site. The benzene plume may extend offsite to well MW7. The MTBE and TBA plumes appear to have originated in the vicinity of the former western dispenser area. The MTBE plume has migrated offsite to well MW5 and was also detected in offsite well MW7. The plumes appear to be delineated and stabile or decreasing in concentration. Groundwater in the area of the site is designated as having beneficial uses for municipal/domestic supply and agriculture, with potential beneficial use for industrial service supply. The depth to water has ranged from 7.0 to 18.19 feet below the top of casing. The calculated hydraulic gradient in April 2012 was 0.06 with groundwater flow to the west-southwest. The consultant contacted the City of Poway regarding potential water supply wells within one mile of the site. Mr. Howard from the City of Poway stated that the City of Poway does not operate any public supply wells. Active remediation of the soil or groundwater has not occurred at the site. A sensitive receptor survey conducted for the site identified sixteen wells from the USGS and Department of Water Resources databases located within a one-mile radius of the site. However, the consultant was not able to field verify the existence of any of these wells. An unnamed tributary to Poway Creek is located approximately 610 feet west of the site. The consultant stated that the creek is unlikely to be impacted from the site based on the distance. Other receptors including two ponds and several schools were eliminated from further consideration as sensitive receptors based on their distance from the site. The Meadowbrook Ecological Reserve is located approximately 1500 feet northwest of the site (up-gradient). The consultant stated that the Meadowbrook Ecological Reserve could be eliminated from consideration based on the distance from the site and the extent of the hydrocarbon plumes. Several subsurface utilities such as gas, electric, water, sewer and telecommunication lines were identified in the site vicinity. The consultant reported that a high pressure gas line is located beneath Pomerado Road at estimated depths of two to four feet. Electrical supply lines are located along the south side of Poway Road (estimated depths of two to four feet). Water supply lines are located beneath Poway Road at estimated depths of three to six feet. Storm drains are located directly south of the site on Poway Road. Two sewer lines are located in the site vicinity, one on Pomerado Road and one on Poway Road. The consultant estimated that the depth of the sewer lines is eight to ten feet bgs. Cox Communication and AT&T have cable lines along Pomerado Road. The consultant stated that the depth to groundwater in the wells closest to the utilities ranged from 10 to 17 feet. The consultant stated that the potential for migration of contaminants within the sewer line trenches does not appear to have significantly contributed to plume migration. The consultant prepared a Corrective Action Plan for the site which recommended remediation by natural attenuation. Trend analyses conducted by the consultant indicate that the concentrations of benzene should decay by natural attenuation to reach the MCL of I

G&M OIL CO LLC (Continued) **S101308180**

microgram per liter (ug/l) in 37 years, ethylbenzene should reach the MCL of 300 ug/l in 60 years, MTBE should reach the MCL of 13 ug/l in 22 years, and that concentrations of TBA should be below the State Notification limit in 60 years. The site is an active gas station and health risks due to vapor intrusion did not warrant soil vapor sampling. The consultant has recommended no further action for the site and destruction of all monitoring wells given that the plumes are stabile and/or decreasing, groundwater in the immediate vicinity of the site is not being used for municipal or domestic supply and there do not appear to be any sensitive receptors that will be impacted by the site. DEH concurs with this recommendation.

LUST:
Global Id: T0607301492
Contact Type: Local Agency Caseworker
Contact Name: Ellen Beacon
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ellen.beacon@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607301492
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301492
Action Type: RESPONSE
Date: 06/27/2011
Action: Site Assessment Report

Global Id: T0607301492
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301492
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 06/13/2011
Action: Staff Letter

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 09/27/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301492
Action Type: RESPONSE
Date: 10/03/2012
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

G&M OIL CO LLC (Continued) **S101308180**

Global Id:	T0607301492
Action Type:	RESPONSE
Date:	11/14/2012
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	03/07/2013
Action:	Correspondence - Regulator Responded
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	02/06/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Began
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Discovery
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Stopped
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Reported
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	03/11/1994
Action:	Notice of Responsibility
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	RESPONSE

G&M OIL CO LLC (Continued) **S101308180**

Date: 07/30/2009
Action: Sensitive Receptor Survey Report

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 11/20/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 08/07/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 10/18/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301492
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 03/08/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 07/30/2013
Action: Closure/No Further Action Letter

Global Id: T0607301492
Action Type: RESPONSE
Date: 09/15/2010
Action: Soil and Water Investigation Workplan

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

LUST:
Global Id: T0607301492
Status: Open - Case Begin Date
Status Date: 02/28/1994

Global Id: T0607301492
Status: Open - Remediation
Status Date: 04/24/1996

Global Id: T0607301492
Status: Open - Site Assessment
Status Date: 09/25/2009

Global Id: T0607301492

G&M OIL CO LLC (Continued) **S101308180**

Status: Open - Eligible for Closure
Status Date: 11/20/2012

Global Id: T0607301492
Status: Completed - Case Closed
Status Date: 07/30/2013

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT2737
Local Case: H05705-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 02/28/1994
Date Stopped: 02/28/1994
Confirm Date: 03/07/1994
Submit Workplan: 3/10/94
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/11/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000249845
APN: Not reported
Last HMMD Inspection: Not reported

G&M OIL CO LLC (Continued) **S101308180**

Facility Telephone:	858-513-9143
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/18/2020
Facility Owner:	Not reported
Facility Mailing Address:	16868 A LANE, HUNTINGTON BEACH, CA 92647
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5103856
Return To Compliance Date:	2015-06-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19782
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2015-06-02T00:00:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5064601
Return To Compliance Date:	2014-06-09T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2014-06-04T09:23:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine

G&M OIL CO LLC (Continued) **S101308180**

Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2018-06-01T15:11:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030017 Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 16 2636(f)(5)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported

G&M OIL CO LLC (Continued) **S101308180**

Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030013 Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented. 23 CCR 16 2715
Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5428869
Return To Compliance Date:	2016-07-22T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2016-06-01T11:02:00.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2018-06-01T15:11:00.000
Violation Code:	2030025 (RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

G&M OIL CO LLC (Continued) **S101308180**

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6160253
Return To Compliance Date:	2019-06-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19783
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2019-06-18T00:00:00.000
Violation Code:	2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6160253
Return To Compliance Date:	2019-06-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2019-06-18T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional

G&M OIL CO LLC (Continued) **S101308180**

engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5103856
Return To Compliance Date:	2015-06-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2015-06-02T00:00:00.000
Violation Code:	2030016 Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 16 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f).

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5652104
Return To Compliance Date:	2017-05-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2017-05-31T16:23:12.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2020-08-18T01:58:43.000
Inspection Date:	2018-06-01T15:11:00.000

G&M OIL CO LLC (Continued) **S101308180**

Violation Code: 2030002 (RD) Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). 23 CCR 2638(a)(b), 2651(j), 2715(i).

UST DTL:

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19783
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-08-18T01:58:52.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19781
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-08-18T01:58:52.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19782
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-08-18T01:58:52.000
Tank Capacityin Gallons:	10000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Waste and Materials:

G&M OIL CO LLC (Continued) **S101308180**

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0125175
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-02-24T02:34:18.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 105705 T005
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0125176
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-02-24T02:34:18.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 105705 T007
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0125177
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-02-24T02:34:18.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 105705 T006
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0104197
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-24T02:34:18.000
Chemical Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name:	WASTE WATER & FUEL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0104198
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-24T02:34:18.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	WASTE FUEL FILTERS & ABSORBENT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed

G&M OIL CO LLC (Continued) **S101308180**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217896
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105705 T005
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217897
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 105705 T007
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217898
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0187937
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0187938
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185902

G&M OIL CO LLC (Continued) **S101308180**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105705 T005
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185903
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 105705 T007
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185904
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160771
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160772
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0262017
Trade Secret: N
Hazardous Material Type: Mixture

G&M OIL CO LLC (Continued) **S101308180**

Last Updated: 2020-08-18T01:58:51.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105705 T005
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0262018
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 105705 T007
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0262019
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232980
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232981
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Name: G&M OIL #112
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 201047
Business Type: 6HK28
EPA Id Number: CAL000249845
APN: 317-540-46-00

G&M OIL CO LLC (Continued) **S101308180**

Last HMMD Inspection:	05/27/2012
Facility Telephone:	858-513-9143
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	G&M OIL CO LLC
Facility Mailing Address:	12410 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	G & M OIL CO LLCC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105705 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105705 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105705 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	Not reported

G&M OIL CO LLC (Continued) **S101308180**

Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS SPENT/ERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 06/21/2005
Violation Code: 6HV3114

G&M OIL CO LLC (Continued) **S101308180**

Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 06/21/2005
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 06/21/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV0225

G&M OIL CO LLC (Continued) **S101308180**

Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV0148
Violation:	WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation:	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008

G&M OIL CO LLC (Continued) **S101308180**

Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 04/03/2003
Violation Code: 6HV3113
Violation: 2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation: Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105705 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T001; RT4208/RT4370, RT5327
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T002; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF &

G&M OIL CO LLC (Continued) **S101308180**

FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T003; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: SUPER UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name: G&M OIL #112
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 201047
Business Type: 6HK28
EPA Id Number: CAL000249845
APN: 317-540-46-00
Last HMMD Inspection: 05/27/2012
Facility Telephone: 858-513-9143
Permit Status: OPEN
Permit Expiration: 02/28/2013
Date Last Updated: 11/02/2012
Facility Owner: G&M OIL CO LLC
Facility Mailing Address: 12410 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: G & M OIL CO LLCC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: DIESEL
Other Information: UNDERGROUND TANK 105705 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9

G&M OIL CO LLC (Continued) **S101308180**

Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 105705 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 105705 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS SPENT/ERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL

G&M OIL CO LLC (Continued) **S101308180**

Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/27/2012
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment

G&M OIL CO LLC (Continued) **S101308180**

(UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2010
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/06/2009
Violation Code: 6HV0148
Violation: WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation: Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/06/2008
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained

G&M OIL CO LLC (Continued) **S101308180**

	onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/27/2011
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	04/03/2003
Violation Code:	6HV3113
Violation:	2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation:	Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 105705 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T001; RT4208/RT4370, RT5327

G&M OIL CO LLC (Continued) **S101308180**

Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105705 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T002; RT4208/RT4370
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105705 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T003; RT4208/RT4370
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	G&M OIL #112
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	201047
Business Type:	6HK28
EPA Id Number:	CAL000249845
APN:	317-540-46-00
Last HMMD Inspection:	05/27/2012
Facility Telephone:	858-513-9143
Permit Status:	OPEN

G&M OIL CO LLC (Continued) **S101308180**

Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	G&M OIL CO LLC
Facility Mailing Address:	12410 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	G & M OIL CO LLCC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105705 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105705 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105705 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	DISPENSER FILTERS SPENT/ERS
Material Waste:	Waste

G&M OIL CO LLC (Continued) **S101308180**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 06/21/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)

G&M OIL CO LLC (Continued) **S101308180**

Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/27/2012
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]

G&M OIL CO LLC (Continued) **S101308180**

Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV0148
Violation:	WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation:	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a),

G&M OIL CO LLC (Continued) **S101308180**

25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 04/03/2003
Violation Code: 6HV3113
Violation: 2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation: Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105705 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T001; RT4208/RT4370, RT5327
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T002; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T007

G&M OIL CO LLC (Continued) **S101308180**

Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T003; RT4208/RT4370
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:

Name:	CHEVRON (G&M #112)
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	18243
CERS ID:	10138355
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CHEVRON (G&M #112)
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	18243
CERS ID:	10138355
CERS Description:	Underground Storage Tank

EMI:

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD

G&M OIL CO LLC (Continued) **S101308180**

City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

G&M OIL CO LLC (Continued) **S101308180**

Name:	CHEVRON POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.420041
Reactive Organic Gases Tons/Yr:	1.420041
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.420041
Reactive Organic Gases Tons/Yr:	1.420041
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

G&M OIL CO LLC (Continued) **S101308180**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36

G&M OIL CO LLC (Continued) **S101308180**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	G&M OIL CO LLC
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3599999999999999
Reactive Organic Gases Tons/Yr:	2.3599999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	G&M OIL CO LLC
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3599999999999999
Reactive Organic Gases Tons/Yr:	2.3599999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	CHEVRON SERVICE STA #9-49
edr_fadd1:	12410 POWAY
City,State,Zip:	POWAY, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2737

CERS:

G&M OIL CO LLC (Continued) **S101308180**

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 469330
CERS ID: 110002616928
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: WILLIAM B WRIGHT
Entity Title: Not reported
Affiliation Address: 12410 POWAY ROAD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 920644303
Site ID: 256177
CERS ID: T0607301492
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Ellen Beacon - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 18243
CERS ID: 10138355
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 05-31-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 05/31/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: UST

G&M OIL CO LLC (Continued) **S101308180**

Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-02-2015
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 06/02/2015. Inspection Sequence ID:5103856;Tank ID:19782;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-18-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 06/18/2019. Inspection Sequence ID:6160253;Tank ID:19781,19782,19783;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide

G&M OIL CO LLC (Continued) **S101308180**

positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prev

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2016
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 07/22/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-02-2015
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 06/02/2015. Inspection Sequence ID:5103856;Tank ID:19781,19782,19783;Violation Description:Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 16 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2018
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418;Tank ID:19781;Violation Description:(RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at

G&M OIL CO LLC (Continued) **S101308180**

	10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-01-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-18-2019
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 06/21/2019. Inspection Sequence ID:6160253;Tank ID:19783;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-04-2014
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 06/09/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	18243
Site Name:	Chevron (G&M #112)
Violation Date:	06-01-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)

G&M OIL CO LLC (Continued) **S101308180**

Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418;Tank ID:19781,19782,19783;Violation Description:(RD) Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). 23 CCR 2638(a)(b), 2651(j), 2715(i).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5428869
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5428869

G&M OIL CO LLC (Continued) **S101308180**

Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5428869
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5895418
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5895418
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5895418
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5103856
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5103856
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

G&M OIL CO LLC (Continued) **S101308180**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5103856
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5064601
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5064601
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5064601
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-10-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6444761
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-18-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6160253
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-18-2019
Violations Found:	Yes

G&M OIL CO LLC (Continued) **S101308180**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6160253
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	18243
Facility Name:	Chevron (G&M #112)
Env Int Type Code:	HWG
Program ID:	10138355
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.952150
Longitude:	-117.062110

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

Affiliation Type Desc:	Document Preparer
Entity Name:	HORTENSIA NAVARRO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	12410 POWAY RD
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(714) 375-4700

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	SOLEDAD GERMAN for G&M OIL CO.
Entity Title:	COMPLIANCE ADMINISTRATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 375-4700

G&M OIL CO LLC (Continued) **S101308180**

Affiliation Type Desc:	Identification Signer
Entity Name:	SOLEDAD GERMAN for G&M OIL CO.
Entity Title:	COMPLIANCE ADMINISTRATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Operator
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92647
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	G&M REALCO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700

Affiliation Type Desc:	UST Tank Owner
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL GRAY
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	Not reported

G&M OIL CO LLC (Continued) **S101308180**

Affiliation Zip:	92647
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 375-4700
Affiliation Type Desc:	Parent Corporation
Entity Name:	G&M OIL CO.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	G&M REALCO, LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700

Q110 **CIRCLE K STORE #2966** **RCRA-SQG** **1000174088**
WSW **12906 POMERADO** **LUST** **CAD981680929**
1/4-1/2 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.253 mi. **CPS-SLIC**
1335 ft. **Site 2 of 4 in cluster Q** **San Diego Co. HMMD**
SWEEPS UST
Relative: **HIST UST**
Lower **FINDS**
ECHO
Actual: **Cortese**
448 ft. **SAN DIEGO CO LOP**
CERS

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	CIRCLE K STORE #2966	
Handler Address:		12906 POMERADO
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD981680929
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported

CIRCLE K STORE #2966 (Continued) **1000174088**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	5811 MANZANITA AVE
Mailing City,State,Zip:	CARMICHAEL, CA 95608
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

CIRCLE K STORE #2966 (Continued) **1000174088**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:30:07.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE K CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name: CIRCLE K STORE #2966	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CIRCLE K STORE #2966 (Continued) **1000174088**

Receive Date:	1986-10-16 00:00:00.0
Handler Name: CIRCLE K STORE #2966	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44511
NAICS Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

LUST:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 920645326
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607399211
Global Id:	T0607399211
Latitude:	32.950321
Longitude:	-117.062878
Status:	Completed - Case Closed
Status Date:	04/19/2018
Case Worker:	JC
RB Case Number:	9UT4000
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H20709-003
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The Site is a former Circle K service station in the City of Poway, on the northwestern corner of the intersection of Pomerado Road and Oak Knoll Road. The station consisted of one 10,000-gallon gasoline underground storage tank (UST), one 6,000-gallon gasoline UST, two product dispensers at one island, and a convenience store building. In July 1999, the UST system, including dispensers, piping and vent lines, were removed. The convenience store building was not demolished and still exists as an operating store at the Site. During UST system removal activities, soil samples were collected from the UST cavity and the dispenser island under the direction of the San Diego County Department of Environmental Health (DEH). Soil impacts were noted beneath the USTs and dispenser. Free product was observed

CIRCLE K STORE #2966 (Continued) **1000174088**

on top of the soil in the tank cavity at approximately 13 feet below ground surface (bgs). However, groundwater was not observed. Based on this information, Authorized Release Case H20709-003 was opened. Limited over-excavation of soils in the tank cavity was performed down to approximately 14 feet bgs in order to remove the product-saturated soils. Approximately 143 tons of soil generated during removal of USTs, products lines, and dispenser was properly disposed. In August and September 2004, TRC conducted feasibility testing of dual-phase extraction (DPE) as a remedial alternative. Approximately 198 pounds (33 gallons) of vapor-phase hydrocarbons and 450 gallons of groundwater were recovered during the DPE test. Remediation wells DPE-1 through DPE-6 were installed during fourth quarter 2008. The DPE system was installed at the Site during second quarter 2009; the system was subsequently started-up on February 3, 2010. In response to a December 4, 2013 letter from the CSDDEH, the DPE system was shut down indefinitely on December 10, 2013. To date, the soil vapor extraction portion of the DPE system has operated for a total of 23,671 hours, and has removed approximately 52,930 pounds of vapor-phase hydrocarbons, while the groundwater extraction portion of the DPE system has extracted, treated, and disposed of approximately 296,952 gallons of groundwater. On May 7, 2014, limited shallow soil vapor sampling activities was conducted at the site. The data collected suggested a vapor intrusion risk to the site building did not exist. On February 16, 2015, sub-slab vapor probes SSGP-1 through SSGP-4 were installed at the site. Two rounds of vapor probe sampling were conducted; the results of which suggested a potential vapor intrusion risk to the site building does not exist. Based on the collected soil data, residual petroleum hydrocarbon impact to soil appears to be present at the location of the former UST basin, and is primarily confined to soil at depths of greater than 12 feet, but less than 16 feet bgs. On May 23, 2016, five profile soil borings (PB-1 through PB-5) were advanced at the Site to collect additional soil data to aid in the design of an injection program for the BOS 200 injections. Between October 18 and 25, 2016, ATC supervised BOS 200 injections. The completed scope of work included the injection of 8,425 pounds of BOS 200, 650 pounds of gypsum, 12.5 gallons of RPIs bacteria concentrate, and 3,850 gallons of potable water into the subsurface at 36 temporary injection point locations (IP-1 through IP-36). It was concluded that the BOS 200 injections performed at the site during October 2016 have had a positive and long-lasting effect on dissolved-phase petroleum hydrocarbons beneath the site; particularly in source-area wells MW-1 and MW-3, and to a lesser extent in remediation wells DPE-2, DPE-4, and DPE-5. The amount of TPH-impacted soil remaining in the subsurface and in the vicinity of the former USTs is estimated to be less than cubic yards. It is estimated that there is approximately 1,612 pounds of residual TPH. Based on a trend analysis, the time for benzene to reach the maximum contaminant level (MCL) of 1.0 part per billion is approximately 5 years in groundwater monitoring well DPE-5. The time for MTBE to reach the primary maximum contaminant level (MCL) of 13 parts per billion is approximately 50 years in groundwater monitoring well DPE-1. It was recommended that the County DEH grant regulatory closure of the case. DEH concurs with closure of Unauthorized Release Case H20709-003. The monitoring wells were destroyed under permit DEH2017-LSAM-00. The closure of the case is based on the current use of the property as a store and parking lot. The case was evaluated under the States Low-Threat Underground Storage Tank Case Closure

CIRCLE K STORE #2966 (Continued) **1000174088**

Policy (the Policy). Current and historical soil and groundwater data indicate that the secondary source has been adequately removed and a stable to decreasing plume remains. DEH concurs that the case qualifies for a low-risk closure designation. Case closure notification was completed per the Policy. ANY CONTAMINATED SOIL EXCAVATED AS PART OF SUBSURFACE CONSTRUCTION WORK MUST BE MANAGED IN ACCORDANCE WITH THE LEGAL REQUIREMENTS AT THAT TIME.

LUST:
Global Id: T0607399211
Contact Type: Local Agency Caseworker
Contact Name: JAMES CLAY
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: james.clay@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607399211
Action Type: RESPONSE
Date: 05/03/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/20/2011
Action: Other Report / Document

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/27/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/01/2016
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/13/2015
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/25/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/14/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 05/21/2015

CIRCLE K STORE #2966 (Continued) **1000174088**

Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 09/10/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/26/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/14/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/25/2016
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 04/03/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 07/13/2016
Action: Letter - Notice

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 08/12/2016
Action: Email Correspondence

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/10/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 05/13/2013
Action: Other Report / Document

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/05/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/24/2016
Action: NPDES / WDR Reports

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 08/19/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 08/19/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/10/2013
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/26/2013
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/12/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/19/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 02/01/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 01/05/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 11/15/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 11/20/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 04/19/2018
Action: Closure/No Further Action Letter

Global Id: T0607399211
Action Type: RESPONSE

CIRCLE K STORE #2966 (Continued) **1000174088**

Date:	10/08/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	10/20/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	10/17/2014
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	04/27/2015
Action:	Monitoring Report - Quarterly - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	03/31/2015
Action:	Risk Assessment Report - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	12/02/2015
Action:	Feasibility Study (FS) - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	02/26/2016
Action:	Interim Remedial Action Plan - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	09/09/2015
Action:	Request for Closure - Regulator Responded
Global Id:	T0607399211
Action Type:	RESPONSE
Date:	06/29/2016
Action:	CAP/RAP - Final Remediation / Design Plan - Regulator Responded
Global Id:	T0607399211
Action Type:	ENFORCEMENT
Date:	12/02/1999
Action:	Notice of Responsibility
Global Id:	T0607399211
Action Type:	ENFORCEMENT
Date:	07/24/2017
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607399211
Action Type:	Other
Date:	07/09/1999
Action:	Leak Began

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: Other
Date: 07/09/1999
Action: Leak Discovery

Global Id: T0607399211
Action Type: Other
Date: 07/09/1999
Action: Leak Stopped

Global Id: T0607399211
Action Type: Other
Date: 11/01/1999
Action: Leak Reported

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/28/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/12/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/09/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/16/2015
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 08/15/2016
Action: WDR Application (Form 200)

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/23/2017
Action: Remedial Action Complete - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE

CIRCLE K STORE #2966 (Continued) **1000174088**

Date: 04/16/2018
Action: Request for Closure - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/26/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/22/2014
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/14/2016
Action: Status / Progress Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/10/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 05/11/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 08/24/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/19/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/07/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/27/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/18/2016
Action: Monitoring Report - Quarterly

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/25/2018
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: REMEDIATION
Date: 07/09/1999
Action: Excavation

Global Id: T0607399211
Action Type: REMEDIATION
Date: 08/01/2004
Action: Dual Phase Extraction

Global Id: T0607399211
Action Type: REMEDIATION
Date: 02/03/2010
Action: Dual Phase Extraction

Global Id: T0607399211
Action Type: REMEDIATION
Date: 10/18/2016
Action: In Situ Biological Treatment

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 12/04/2013
Action: Technical Correspondence / Assistance / Other

LUST:
Global Id: T0607399211
Status: Open - Case Begin Date
Status Date: 07/09/1999

Global Id: T0607399211
Status: Open - Remediation
Status Date: 10/19/2000

Global Id: T0607399211
Status: Open - Verification Monitoring
Status Date: 08/03/2017

Global Id: T0607399211
Status: Completed - Case Closed
Status Date: 04/19/2018

SAN DIEGO CO. SAM:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD

CIRCLE K STORE #2966 (Continued) **1000174088**

City,State,Zip: POWAY, CA 920645326
Case Number: H20709-001
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Closed Case
Date: 9/20/1994
Date Began: 1/17/1986

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Case Number: H20709-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 8/5/1991
Date Began: 11/6/1990

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Case Number: H20709-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 1/30/2002
Date Began: 7/9/1999

CPS-SLIC:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/05/1991
Global Id: T0608150361
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20709-002
Latitude: 32.950321
Longitude: -117.062878
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: CIRCLE K #2966

CIRCLE K STORE #2966 (Continued) **1000174088**

Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	120709
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	317-151-55-00
Last HMMD Inspection:	06/07/1999
Facility Telephone:	858-748-7693
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	THE CIRCLE K CORP.
Facility Mailing Address:	PO BOX 52085
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85072-2085
UST Owner:	TIC TOC SYSTEMS INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120709 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120709
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-09-07 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 120709 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120709
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-09-07 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

CIRCLE K STORE #2966 (Continued) **1000174088**

SWEEPS UST:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City:	POWAY
Status:	Active
Comp Number:	20709
Number:	9
Board Of Equalization:	44-022104
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020709-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City:	POWAY
Status:	Active
Comp Number:	20709
Number:	9
Board Of Equalization:	44-022104
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020709-000002
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	CIRCLE K 2966
Address:	12906 POMERADO
City,State,Zip:	POWAY, CA 92064
File Number:	0002AEDC
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AEDC.pdf
Region:	STATE
Facility ID:	00000013657
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	KEN ZIMMERMAN
Telephone:	6197489952
Owner Name:	CIRCLE K CORPORATION
Owner Address:	4500 SOUTH 40TH STREET
Owner City,St,Zip:	PHOENIX, AZ 85040

CIRCLE K STORE #2966 (Continued) **1000174088**

Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002749688

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000174088
Registry ID: 110002749688
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002749688
Name: CIRCLE K STORE #2966
Address: 12906 POMERADO
City,State,Zip: POWAY, CA 92064

CORTESE:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607399211
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported

CIRCLE K STORE #2966 (Continued) **1000174088**

Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1999-LSAM-H20709-003
Record Status:	Completed
Opened Date:	11/01/1999
Parcel Number:	317-151-55-00
Case Type:	LOP - Local Oversight Program
Historical Name:	TOSCO 76 #2966
SWRCB Global ID:	T0607399211
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	11/12/1999
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9502987
Longitude:	-117.0628798
X MapCoord:	6312303.251
Y MapCoord:	1926523.494

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1990-LSAM-H20709-002
Record Status:	Completed
Opened Date:	12/14/1990
Parcel Number:	317-151-55-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	CIRCLE K CORPORATION
SWRCB Global ID:	T0608150361
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	12/17/1990
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY

CIRCLE K STORE #2966 (Continued) **1000174088**

Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9502987
Longitude:	-117.0628798
X MapCoord:	6312303.251
Y MapCoord:	1926523.494

CERS:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 920645326
Site ID:	231217
CERS ID:	T0607399211
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 920645326
Site ID:	231217
CERS ID:	T0608150361
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Q111 **TOSCO/ CIRCLE K #2966** **LUST** **S104494702**
WSW **12906 POMERADO RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.253 mi.
1335 ft. **Site 3 of 4 in cluster Q**

Relative:
Lower

Actual:
448 ft.

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT4000
Local Case:	H20709-003

TOSCO/ CIRCLE K #2966 (Continued) **S104494702**

Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	EDFP
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/09/1999
Date Stopped:	07/09/1999
Confirm Date:	/ /
Submit Workplan:	12/2/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/09/1999
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	12
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	High priority
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

S112 **7-ELEVEN STORE #19160** **LUST** **S101301856**
NNE **12764 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.254 mi.
1340 ft. **Site 1 of 8 in cluster S**

Relative: LUST REG 9:
Higher

Region:	9
Status:	Case Closed
Case Number:	9UT2220
Local Case:	H20710-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	03/05/1992
Date Stopped:	03/05/1992

Actual:
498 ft.

7-ELEVEN STORE #19160 (Continued) **S101301856**

Confirm Date: 03/02/1992
Submit Workplan: 5/26/92
Prelim Assess: 10/01/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/05/1992
Enforce Date: Not reported
Closed Date: 5/22/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: 3.41
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

S113 **7-ELEVEN FOOD STORE #19160** **SAN DIEGO CO. SAM** **1000281963**
NNE **12764 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **SWEEPS UST**
0.254 mi. **HIST UST**
1340 ft. **Site 2 of 8 in cluster S** **Cortese**
SAN DIEGO CO LOP

Relative:
Higher

Actual:
498 ft.

SAN DIEGO CO. SAM:
Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City,State,Zip: POWAY, CA 920644404
Case Number: H20710-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/22/1997
Date Began: 3/2/1992

HMMD SAN DIEGO:
Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 120710
Business Type: Not reported
EPA Id Number: Not reported
APN: 317-490-72-00
Last HMMD Inspection: 01/06/1993
Facility Telephone: 858-748-0711
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: THE SOUTHLAND CORP
Facility Mailing Address: 7839 UNIVERSITY AV
Facility Mailing City: LA MESA

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Facility Mailing State: CA
Facility Mailing Zip: 91941-4970
UST Owner: THE SOUTHLAND CORP
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 120710 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 120710
Tank Type: SINGLE WALL
Additional Id: 19160-1
Capacity Gallons: 9940
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-09-03 00:00:00
Year Installed: 1977-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 120710 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 120710
Tank Type: SINGLE WALL
Additional Id: 19160-2
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-09-03 00:00:00
Year Installed: 1977-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 120710 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 120710
Tank Type: SINGLE WALL
Additional Id: 19160-3
Capacity Gallons: 6000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-09-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:
Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City: POWAY
Status: Active
Comp Number: 20710
Number: 9
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020710-000001
Tank Status: A
Capacity: 9940
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City: POWAY
Status: Active
Comp Number: 20710
Number: 9
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020710-000002
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City: POWAY
Status: Active
Comp Number: 20710
Number: 9
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

SWRCB Tank Id: 37-000-020710-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: 7-ELEVEN FOOD STORE 19160
Address: 12764 POWAY ROAD
City,State,Zip: POWAY, CA 92064
File Number: 0002F3E9
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F3E9.pdf
Region: STATE
Facility ID: 00000010243
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CAL FARRER
Telephone: 6192681070
Owner Name: THE SOUTHLAND CORPORATION
Owner Address: 7839 UNIVERSITY AVENUE
Owner City,St,Zip: LA MESA, CA 92041
Total Tanks: 0003

Tank Num: 001
Container Num: 19160-1
Year Installed: 1977
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 0.25
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 19160-2
Year Installed: 1977
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 0.25
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 19160-3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 0.25
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300987
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1992-LSAM-H20710-001
Record Status:	Completed
Opened Date:	03/02/1992
Parcel Number:	317-490-72-00
Case Type:	LOP - Local Oversight Program
Historical Name:	SOUTHLAND - POWAY
SWRCB Global ID:	T0607300987
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/05/1992
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9565316
Longitude:	-117.0542639
X MapCoord:	6314970.172
Y MapCoord:	1928757.825

S114 **7-ELEVEN STORE #19160** **LUST** **S103627235**
NNE **12764 POWAY** **HIST CORTESE** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS**
0.254 mi.
1340 ft. **Site 3 of 8 in cluster S**

Relative:
Higher

Actual:
498 ft.

LUST:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300987
Global Id:	T0607300987
Latitude:	32.956515
Longitude:	-117.054259
Status:	Completed - Case Closed
Status Date:	05/22/1997
Case Worker:	Not reported
RB Case Number:	9UT2220
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20710-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300987
Action Type:	ENFORCEMENT
Date:	05/12/1997
Action:	Closure/No Further Action Letter - #H20710-001
Global Id:	T0607300987
Action Type:	ENFORCEMENT
Date:	05/22/1997
Action:	Closure/No Further Action Letter
Global Id:	T0607300987
Action Type:	ENFORCEMENT
Date:	05/26/1992
Action:	Notice of Responsibility
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Began
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Discovery
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Stopped
Global Id:	T0607300987
Action Type:	Other

7-ELEVEN STORE #19160 (Continued) **S103627235**

Date: 03/02/1992
Action: Leak Reported

LUST:
Global Id: T0607300987
Status: Open - Case Begin Date
Status Date: 03/02/1992

Global Id: T0607300987
Status: Completed - Case Closed
Status Date: 05/22/1997

HIST CORTESE:
edr_fname: 7-ELEVEN STORE #19160
edr_fadd1: 12764 POWAY
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2220

CERS:
Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 257479
CERS ID: T0607300987
CERS Description: Leaking Underground Storage Tank Cleanup Site

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S115 **317-490-72** **US BROWNFIELDS** **1016347288**
NNE **12764 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.254 mi.
1340 ft. **Site 4 of 8 in cluster S**

Relative:
Higher

Actual:
498 ft.

US BROWNFIELDS:
Name: 317-490-72
Address: 12764 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-72
Parcel size: .73
Latitude: 32.956429
Longitude: -117.054022
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 39814
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -

317-490-72 (Continued) **1016347288**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/26/2006
Ownership Entity:	-
Completion Date:	06/26/2006
Current Owner:	John D. Reynolds Junior
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-

317-490-72 (Continued) **1016347288**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Carquest Auto Parts - Facility observed to consist of one building and parking areas. Facility observed to be auto parts store. Seven circular patches that appear to be former boring/well locations observed in parking area.
Below Poverty Number:	229
Below Poverty Percent:	4.15
Meidan Income:	8060

317-490-72 (Continued) **1016347288**

Meidan Income Number:	957
Meidan Income Percent:	17.32
Vacant Housing Number:	126
Vacant Housing Percent:	6.42
Unemployed Number:	255
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038720015

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

S116 **ARCO FACILITY NO 01735** **RCRA-SQG** **1004678148**
NNE **12805 POWAY RD** **US BROWNFIELDS** **CAR000105577**
1/4-1/2 **POWAY, CA 92064** **FINDS**
0.255 mi. **ECHO**
1344 ft. **Site 5 of 8 in cluster S**

Relative:
Higher

Actual:
499 ft.

RCRA-SQG:

Date Form Received by Agency:		2002-05-28 00:00:00.0
Handler Name:	ARCO FACILITY NO 01735	
Handler Address:		12805 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAR000105577
Contact Name:		JACK OMAN
Contact Address:		P O BOX 6038
Contact City,State,Zip:		ARTESIA, CA 90702-6038
Contact Telephone:		714-690-2425
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 6038
Mailing City,State,Zip:		ARTESIA, CA 90702-6038
Owner Name:		B P WEST COAST PRODUCTS LLC
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

ARCO FACILITY NO 01735 (Continued) **1004678148**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-07 16:36:13.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001

ARCO FACILITY NO 01735 (Continued) **1004678148**

Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: B P WEST COAST PRODUCTS LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 6038
Owner/Operator City,State,Zip: ARTESIA, CA 90702-6038
Owner/Operator Telephone: 714-690-2425
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2002-05-28 00:00:00.0
Handler Name: ARCO FACILITY NO 01735
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US BROWNFIELDS:
Name: 317-490-51
Address: 12805 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-51
Parcel size: .52
Latitude: 32.956255
Longitude: -117.053715
HCM Label: -
Map Scale: -

ARCO FACILITY NO 01735 (Continued) **1004678148**

Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39803
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Exoil Corpation
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-

ARCO FACILITY NO 01735 (Continued) **1004678148**

Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-

ARCO FACILITY NO 01735 (Continued) **1004678148**

Past Use: Multistory	Not reported
Property Description:	ARCO gas station/AM/PM; Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 4 dispensers, and three groundwater monitoring wells.
Below Poverty Number:	231
Below Poverty Percent:	4.19
Meidan Income:	8060
Meidan Income Number:	960
Meidan Income Percent:	17.39
Vacant Housing Number:	125
Vacant Housing Percent:	6.38
Unemployed Number:	253
Unemployed Percent:	4.58

FINDS:
Registry ID: 110038719321

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110012220514

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004678148
Registry ID:	110012220514
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012220514
Name:	EXOIL CORPORATION
Address:	12805 POWAY ROAD
City,State,Zip:	POWAY, CA 92064

S117 **ARCO #1735** **SAN DIEGO CO. SAM** **S105692095**
NNE **12805 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.255 mi.
1344 ft. **Site 6 of 8 in cluster S**

Relative:
Higher

Actual:
499 ft.

SAN DIEGO CO. SAM:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Case Number:	H20714-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/8/1986
Date Began:	7/2/1985

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Case Number:	H20714-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	10/21/2004
Date Began:	12/27/1991

S118 **ARCO SERVICE STATION #1735** **LUST** **S102424405**
NNE **12805 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.255 mi.
1344 ft. **Site 7 of 8 in cluster S**

Relative:
Higher

Actual:
499 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT31
Local Case:	H20714-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	07/02/1985
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/11/1986

ARCO SERVICE STATION #1735 (Continued) **S102424405**

Enforce Date: Not reported
Closed Date: 8/8/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: 19'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

S119 **EXOIL CORPORATION** **LUST** **S100355759**
NNE **12805 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **Cortese**
0.255 mi. **EMI**
1344 ft. **Site 8 of 8 in cluster S** **HIST CORTESE**
SAN DIEGO CO LOP
Relative: Higher **CERS**

Actual: 499 ft.

LUST:
Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301865
Global Id: T0607301865
Latitude: 32.9561328903585
Longitude: -117.053588233135
Status: Completed - Case Closed
Status Date: 08/08/1986
Case Worker: KH
RB Case Number: 9UT31
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H20714-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607301865
Contact Type: Local Agency Caseworker
Contact Name: KEVIN HEATON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: kevin.heaton@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Began

EXOIL CORPORATION (Continued) **S100355759**

Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Discovery

Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Reported

LUST:
Global Id: T0607301865
Status: Open - Case Begin Date
Status Date: 07/02/1985

Global Id: T0607301865
Status: Completed - Case Closed
Status Date: 08/08/1986

Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300943
Global Id: T0607300943
Latitude: 32.9563907
Longitude: -117.053548
Status: Open - Site Assessment
Status Date: 07/10/2017
Case Worker: LT
RB Case Number: 9UT2173
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Contamination was identified in 1991 through soil samples. Site investigation and site assesment activities have been ongoing on this site to determine the lateral and vertical extent of contamination. A health risk assessment is being conducted on this site to determine if any potential risk exists. Additional assessment is being conducted and groundwater monitoring to evaluate the contamination is ongoing. Please see the Environmental Data tab for additional site specific data.

LUST:
Global Id: T0607300943
Contact Type: Regional Board Caseworker
Contact Name: LALITHA THOTAKURA
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: lalitha.thotakura@waterboards.ca.gov
Phone Number: 6195213002

EXOIL CORPORATION (Continued) **S100355759**

LUST:

Global Id:	T0607300943
Action Type:	RESPONSE
Date:	11/10/2015
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	07/30/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	01/30/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	06/07/2017
Action:	Other Report / Document
Global Id:	T0607300943
Action Type:	ENFORCEMENT
Date:	08/14/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	07/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300943
Action Type:	RESPONSE
Date:	09/15/2017
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0607300943
Action Type:	ENFORCEMENT
Date:	02/15/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300943
Action Type:	ENFORCEMENT
Date:	08/04/2010
Action:	Letter - Notice
Global Id:	T0607300943
Action Type:	ENFORCEMENT
Date:	02/25/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300943

EXOIL CORPORATION (Continued) **S100355759**

Action Type: ENFORCEMENT
Date: 02/25/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Referral to Regional Board

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/25/2015
Action: Email Correspondence

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/24/2018
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 02/26/2021
Action: Correspondence

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/21/2021
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 03/04/2010
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 06/01/2011
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 04/08/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/11/2013

EXOIL CORPORATION (Continued) **S100355759**

Action: Correspondence

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2012
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/29/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/27/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/27/2014
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/23/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/02/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 03/28/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/26/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/31/2018
Action: Email Correspondence

EXOIL CORPORATION (Continued) **S100355759**

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 04/18/2018
Action: Email Correspondence

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/14/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 03/19/2020
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 05/19/2020
Action: Email Correspondence

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/10/2020
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/03/2019
Action: Other Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/12/2015
Action: Correspondence - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/06/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/07/2019
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE

EXOIL CORPORATION (Continued) **S100355759**

Date: 04/09/2020
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/24/2019
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/17/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Began

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Discovery

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Reported

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/29/2021
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/09/2019
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2016
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 06/30/2020
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/05/2018
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/27/2016
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

EXOIL CORPORATION (Continued) **S100355759**

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/04/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: RESPONSE
Date: 10/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 05/04/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/21/2009
Action: Soil and Water Investigation Workplan

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/31/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: ENFORCEMENT

EXOIL CORPORATION (Continued) **S100355759**

Date: 01/15/1992
Action: Notice of Responsibility

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 10/28/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: RESPONSE
Date: 05/01/2016
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 05/05/2016
Action: Conceptual Site Model

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/28/2016
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/25/2017
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 05/19/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

EXOIL CORPORATION (Continued) **S100355759**

LUST:
Global Id: T0607300943
Status: Open - Case Begin Date
Status Date: 12/27/1991

Global Id: T0607300943
Status: Open - Remediation
Status Date: 07/16/2004

Global Id: T0607300943
Status: Open - Site Assessment
Status Date: 07/10/2017

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2173
Local Case: H20714-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 01/02/1992
Date Stopped: 01/01/1980
Confirm Date: 12/27/1991
Submit Workplan: Not reported
Prelim Assess: 10/13/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/02/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: 6.4'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: EXOIL CORPORATION (ARCO)
Address: 12805 POWAY RD

EXOIL CORPORATION (Continued) **S100355759**

City,State,Zip:	POWAY, CA 92064
Permit Number:	203392
Business Type:	6HK28
EPA Id Number:	CAL000267713
APN:	317-490-51-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-679-2779
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EXOIL CORPORATION
Facility Mailing Address:	PO BOX 781
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92074
UST Owner:	GABRIEL SOJIAN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED - T007
Other Information:	UNDERGROUND TANK 120714 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T005
Other Information:	UNDERGROUND TANK 120714 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T006
Other Information:	UNDERGROUND TANK 120714 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported

EXOIL CORPORATION (Continued) **S100355759**

Hazardous Categories 2: Not reported

Permit Number: 203392
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/26/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/25/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/19/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/15/2008
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 06/08/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

EXOIL CORPORATION (Continued) **S100355759**

UST:

UST Name:	UNDERGROUND TANK 120714 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	001 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 120714 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 120714 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	EXOIL CORPORATION (ARCO)
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	203392

EXOIL CORPORATION (Continued) **S100355759**

Business Type:	6HK28
EPA Id Number:	CAL000267713
APN:	317-490-51-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-679-2779
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EXOIL CORPORATION
Facility Mailing Address:	PO BOX 781
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92074
UST Owner:	GABRIEL SOJIAN
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED - T007
Other Information:	UNDERGROUND TANK 120714 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T005
Other Information:	UNDERGROUND TANK 120714 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T006
Other Information:	UNDERGROUND TANK 120714 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

EXOIL CORPORATION (Continued) **S100355759**

Permit Number: 203392
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/26/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/25/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/19/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 04/15/2008
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 203392
Update Date: 11/02/2012
Inspection Date: 06/08/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

UST:

EXOIL CORPORATION (Continued) **S100355759**

UST Name:	UNDERGROUND TANK 120714 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	001 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 120714 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 120714 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CORTESE:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Region:	CORTESE

EXOIL CORPORATION (Continued) **S100355759**

Envirostor Id:	Not reported
Global ID:	T0607300943
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - SITE ASSESSMENT
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301865
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD

EXOIL CORPORATION (Continued) **S100355759**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3837

EXOIL CORPORATION (Continued) **S100355759**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.9790852
Reactive Organic Gases Tons/Yr:	2.9790852
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2005

EXOIL CORPORATION (Continued) **S100355759**

County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.9790852
Reactive Organic Gases Tons/Yr:	2.9790852
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.38
Reactive Organic Gases Tons/Yr:	2.38
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 93204
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.38
Reactive Organic Gases Tons/Yr:	2.38
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION

EXOIL CORPORATION (Continued) **S100355759**

Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.38
Reactive Organic Gases Tons/Yr:	2.38
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3799999999999999
Reactive Organic Gases Tons/Yr:	2.3799999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3799999999999999
Reactive Organic Gases Tons/Yr:	2.3799999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

EXOIL CORPORATION (Continued) **S100355759**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HIST CORTESE:

edr_fname:	ATLANTIC RICHFIELD CO
edr_fadd1:	12805 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2173

edr_fname:	ARCO SERVICE STATION #173
edr_fadd1:	12805 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT31

SAN DIEGO CO LOP:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1985-LSAM-H20714-001
Record Status:	Completed
Opened Date:	07/02/1985
Parcel Number:	317-490-51-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO # 1735
SWRCB Global ID:	T0607301865
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	07/02/1985
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9561263
Longitude:	-117.0535088
X MapCoord:	6315191.286
Y MapCoord:	1928632.687

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1991-LSAM-H20714-002
Record Status:	Completed
Opened Date:	12/27/1991
Parcel Number:	317-490-51-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO 1735
SWRCB Global ID:	T0607300943
Funding:	S - LOP State Fund
Lead Agency:	RWQCB

EXOIL CORPORATION (Continued) **S100355759**

Lead Agency Date:	07/01/2015
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9561263
Longitude:	-117.0535088
X MapCoord:	6315191.286
Y MapCoord:	1928632.687

CERS:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Site ID:	215218
CERS ID:	T0607301865
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213002

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Site ID:	215218
CERS ID:	T0607300943
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

EXOIL CORPORATION (Continued) **S100355759**

Affiliation Phone:	6195213002
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Q120 **317-151-42, AND -43** **US BROWNFIELDS** **1016346564**
WSW **12369 AND 12373 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.258 mi.
1363 ft. **Site 4 of 4 in cluster Q**

Relative: **Lower**

Actual: **451 ft.**

US BROWNFIELDS:

Name:	317-151-42, AND -43
Address:	12369 AND 12373 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-42, and -43
Parcel size:	1.61
Latitude:	32.952048
Longitude:	-117.061009
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39761
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Poway Investment Co.

317-151-42, AND -43 (Continued) **1016346564**

Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-

317-151-42, AND -43 (Continued) **1016346564**

Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Part of Poway Promenade - Facility observed to consist of retail business and vacant suite within shopping center. Monitoring wells observed .
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038709877

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R121 **WILLIAM P RACICOT DDS** **SAN DIEGO CO. SAM** **S106066218**
West **13029 POMERADO RD** **CPS-SLIC** **N/A**
1/4-1/2 **POWAY, CA 92064** **San Diego Co. HMMD**
0.267 mi. **CERS**
1411 ft. **Site 7 of 13 in cluster R**

Relative:
Higher

Actual:
476 ft.

SAN DIEGO CO. SAM:

Name:	WILLIAM P RACICOT DDS
Address:	13029 POMERADO RD
City,State,Zip:	POWAY, CA 920644208
Case Number:	H50251-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	9/19/2003
Date Began:	5/1/1999

CPS-SLIC:

Name:	WILLIAM P RACICOT DDS
Address:	13029 POMERADO RD
City,State,Zip:	POWAY, CA 920644208
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/19/2003
Global Id:	T0608126275
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H50251-001
Latitude:	32.952668
Longitude:	-117.062109
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	WILLIAM P RACICOT DDS
Address:	13029 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	150251
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	317-540-59-00
Last HMMD Inspection:	09/26/2011
Facility Telephone:	858-748-6300
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Date Last Updated:	11/02/2012
Facility Owner:	WILLIAM P RACICOT DDS
Facility Mailing Address:	13029 POMERADO RD #B
Facility Mailing City:	POWAY
Facility Mailing State:	CA

WILLIAM P RACICOT DDS (Continued) **S106066218**

Facility Mailing Zip: 92064-4208
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inventory Active Permits (SQG Medical):
Permit Number: 150251
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 150251
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CERS:
Name: WILLIAM P RACICOT DDS
Address: 13029 POMERADO RD
City,State,Zip: POWAY, CA 920644208
Site ID: 254119
CERS ID: T0608126275
CERS Description: Cleanup Program Site

122
NNE
1/4-1/2
0.269 mi.
1418 ft.

317-490-54
12800 BLOCK OF POWAY ROAD
POWAY, CA 92064

US BROWNFIELDS FINDS **1016347238 N/A**

Relative: Higher

Actual: 501 ft.

US BROWNFIELDS:
Name: 317-490-54
Address: 12800 BLOCK OF POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-54
Parcel size: .55
Latitude: 32.956334
Longitude: -117.05325
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -

317-490-54 (Continued) **1016347238**

Acres Property ID:	39804
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Antoinette Corpation
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N

317-490-54 (Continued) **1016347238**

PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Shopping center - Facility observed to consist of four buildings, and parking areas. Facility observed to be shopping center.

317-490-54 (Continued) **1016347238**

Below Poverty Number:	231
Below Poverty Percent:	4.19
Meidan Income:	8060
Meidan Income Number:	960
Meidan Income Percent:	17.39
Vacant Housing Number:	125
Vacant Housing Percent:	6.38
Unemployed Number:	253
Unemployed Percent:	4.58

FINDS:
Registry ID: 110038719330

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R123 **317-151-47, -50, AND -51** **US BROWNFIELDS** **1016346566**
West **12300 BLOCK OF POWAY ROAD (ODDS)** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.273 mi.
1440 ft. **Site 8 of 13 in cluster R**

Relative: **Lower**
Actual: **453 ft.**

US BROWNFIELDS:

Name:	317-151-47, -50, AND -51
Address:	12300 BLOCK OF POWAY ROAD (ODDS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-47, -50, and -51
Parcel size:	2.43
Latitude:	32.951649
Longitude:	-117.062745
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39763
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement

317-151-47, -50, AND -51 (Continued) **1016346566**

Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Poway Investment Co.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-

317-151-47, -50, AND -51 (Continued) **1016346566**

Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Part of Poway Promenade - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center. Monitoring wells observed.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175
Unemployed Percent:	5.26

FINDS:
Registry ID: 110038709895

317-151-47, -50, AND -51 (Continued) **1016346566**

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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T124 **COUNTY OF SD/POWAY RD STN** **LUST** **S101337847**
WSW **12341 OAK KNOLL RD** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **POWAY, CA 92064** **CPS-SLIC**
0.274 mi. **San Diego Co. HMMD**
1449 ft. **Site 1 of 2 in cluster T** **SWEEPS UST**
Cortese
Relative: **HAZNET**
Lower **HIST CORTESE**
Actual: **SAN DIEGO CO LOP**
445 ft. **CERS**

LUST:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 920645319
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301557
Global Id:	T0607301557
Latitude:	32.9499028
Longitude:	-117.0636431
Status:	Completed - Case Closed
Status Date:	07/15/2004
Case Worker:	JS
RB Case Number:	9UT2799
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H20708-002
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607301557
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607301557
Action Type:	ENFORCEMENT
Date:	07/15/2004
Action:	Closure/No Further Action Letter

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Began

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Discovery

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Stopped

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Reported

LUST:
Global Id: T0607301557
Status: Open - Case Begin Date
Status Date: 06/01/1994

Global Id: T0607301557
Status: Completed - Case Closed
Status Date: 07/15/2004

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2799
Local Case: H20708-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 06/01/1994
Date Stopped: 06/01/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 07/19/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/01/1994
Enforce Date: Not reported

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: >15
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Case Number: H20708-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 11/27/1989
Date Began: 5/18/1989

Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Case Number: H20708-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/15/2004
Date Began: 6/1/1994

CPS-SLIC:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/27/1989
Global Id: T0608118612
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20708-001
Latitude: 32.949531
Longitude: -117.063278
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	120708
Business Type:	Not reported
EPA Id Number:	CAL000022813
APN:	317-152-14-00
Last HMMD Inspection:	06/23/2000
Facility Telephone:	858-694-3190
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	COUNTY OF SAN DIEGO
Facility Mailing Address:	5555 OVERLAND AV
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92123-
UST Owner:	COUNTY OF SAN DIEGO/PUBLIC WKS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120708 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	PW051
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120708 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	PW052
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 120708 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	00003
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City:	POWAY
Status:	Active
Comp Number:	20708
Number:	9
Board Of Equalization:	44-022036
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020708-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City:	POWAY
Status:	Active
Comp Number:	20708
Number:	9
Board Of Equalization:	44-022036
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

SWRCB Tank Id: 37-000-020708-000002
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

CORTESE:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607301557
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:
Name: VILLA DE VIDA POWAY L.P.
Address: 12341 OAK KNOLL ROAD
Address 2: Not reported
City,State,Zip: POWAY, CA 90015
Contact: MARTEEN GARAY
Telephone: 2138630252
Mailing Name: Not reported
Mailing Address: 1500 SOUTH GRAND AVENUE

Year: 2019
Gepaid: CAC003013897
TSD EPA ID: AZR000002428
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 70.93280

HIST CORTESE:
edr_fname: COUNTY OF SD/POWAY RD STN

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

edr_fadd1: 12341 OAK KNOLL
City,State,Zip: POWAY, CA
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2799

SAN DIEGO CO LOP:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1994-LSAM-H20708-002
Record Status: Completed
Opened Date: 06/01/1994
Parcel Number: 317-152-14-00
Case Type: LOP - Local Oversight Program
Historical Name: COUNTY OF SD-POWAY R0AD STA
SWRCB Global ID: T0607301557
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 06/01/1994
Census Tract: 170.42
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9494637
Longitude: -117.0632774
X MapCoord: 6312178.687
Y MapCoord: 1926236.974

Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1989-LSAM-H20708-001
Record Status: Completed
Opened Date: 10/09/1989
Parcel Number: 317-152-14-00
Case Type: FIT - Failed Integrity Test
Historical Name: COUNTY OF SD-POWAY ROAD STA
SWRCB Global ID: T0608118612
Funding: N - Non-Billable
Lead Agency: DEH/SAM
Lead Agency Date: 10/09/1989
Census Tract: 170.42
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9494637
Longitude: -117.0632774
X MapCoord: 6312178.687
Y MapCoord: 1926236.974

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

CERS:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Site ID: 211576
CERS ID: T0608118612
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Site ID: 211576
CERS ID: T0607301557
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

T125 **POWAY ROAD STATION** **CPS-SLIC** **U001572096**
WSW **12341 OAK KNOLL RD** **HIST UST** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS**
0.274 mi.
1449 ft. **Site 2 of 2 in cluster T**

Relative:
Lower

Actual:
445 ft.

CPS-SLIC:
Name: 12341 OAK KNOLL
Address: 12341 OAK KNOLL ROAD
City,State,Zip: POWAY, CA 92064
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/09/2020
Global Id: T10000007778
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: DEH2015-LSAM-000334
Latitude: 32.94946
Longitude: -117.06327
Case Type: Cleanup Program Site

POWAY ROAD STATION (Continued) **U001572096**

Case Worker: EM
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: This Voluntary Assistance Program (VAP) case was opened to evaluate a former gas station property for the construction of slab-on-grade, two-story affordable housing for adults comprising 54 apartments units with at-grade parking. This Site is a 3.18-acre parcel of land and was most recently developed with an office building and sheds on the western portion of the property. In addition, the eastern portion of the Site was an asphalt-paved parking lot with two concrete building foundations. The southwestern portion of the Site is transected by Poway Creek. From 1942 to 1998, the San Diego County Department of Public Works Road Station occupied the Site. In 1994, three underground storage tanks (USTs) were removed, resulting in the opening of Local Oversight Program (LOP) Case H20708-002, which was closed in July 2004. Due to the potential of vapor intrusion from the former LOP Case the consultant, SCS Engineers (SCS), conducted a soil vapor survey on October 29, 2015. Results for Volatile Organic Compounds (VOCs) were non detect (ND), with the exception of benzene with soil gas concentrations of up to 0.14 ug/l. Based on this, benzene was calculated to have an excess carcinogenic risk of 1.55 x 10-8, which is less than the acceptable 1.0 x 10-6 excess carcinogenic risk. Therefore, SCS indicated that there was no risk from vapor intrusion On March 15, 2019, SCS submitted a Soil Management Plan (SMP) and a Community Health and Safety Plan (CHSP) for the excavation and export of soil with elevated concentrations of lead and petroleum hydrocarbons encountered during grading activities. The SMP and CHSP were approved on March 28, 2019. Excavating and grading occurred from May 13 through May 17, 2019, with approximately 305 tons of petroleum-impacted soil and 88.5 tons of lead-impacted soil exported offsite and disposed at an appropriate facility. Trace amounts of organochlorine pesticides (i.e. DDD, Chlordane, etc.) were also removed. SCS States that the removal of petroleum hydrocarbon and lead-bearing soil with residual concentrations below Mitigation Criteria is judged to be protective of water resources at the Site, and protective of human health and the environment, considering the proposed use of the Site as a multi-family residential development. DEH concurs.

Click here to access the California GeoTracker records for this facility:

HIST UST:
Name: POWAY ROAD STATION
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 92064
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000044197
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DON UBBEN
Telephone: 6195655251
Owner Name: COUNTY OF SAN DIEGO - DEPARTME

POWAY ROAD STATION (Continued) **U001572096**

Owner Address: 5555 OVERLAND AVE. BLDG 6 RM 1
Owner City,St,Zip: SAN DIEGO, CA 92123
Total Tanks: 0002

Tank Num: 001
Container Num: PW051
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: PW052
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CERS:
Name: 12341 OAK KNOLL
Address: 12341 OAK KNOLL ROAD
City,State,Zip: POWAY, CA 92064
Site ID: 359230
CERS ID: T10000007778
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

U126 **SHELL SVC STATION** **RCRA-SQG** **1000161069**
West **12365 POWAY RD SAP NO 135793** **SAN DIEGO CO. SAM** **CAD982336828**
1/4-1/2 **POWAY, CA 92064** **UST**
0.278 mi. **San Diego Co. HMMD**
1470 ft. **Site 1 of 5 in cluster U** **SWEEPS UST**
HIST UST
Relative: **Cortese**
Lower **SAN DIEGO CO LOP**
CERS
Actual: **HWTS**
451 ft.

RCRA-SQG:
Date Form Received by Agency: 2001-09-28 00:00:00.0
Handler Name: SHELL SVC STATION
Handler Address: 12365 POWAY RD SAP NO 135793
Handler City,State,Zip: POWAY, CA 92064

SHELL SVC STATION (Continued) **1000161069**

EPA ID:	CAD982336828
Contact Name:	SONDRA BIENVENU
Contact Address:	P O BOX 2648
Contact City,State,Zip:	HOUSTON, TX 77252-2648
Contact Telephone:	713-241-5036
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 2648
Mailing City,State,Zip:	HOUSTON, TX 77252-2648
Owner Name:	EQUILON ENTERPRISES L L C
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

SHELL SVC STATION (Continued) **1000161069**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-07 16:38:18.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES L L C
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHELL OIL CO
Legal Status:	Private
Date Became Current:	Not reported

SHELL SVC STATION (Continued) **1000161069**

Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2001-09-28 00:00:00.0
Handler Name: SHELL SVC STATION	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

SAN DIEGO CO. SAM:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Case Number:	H03181-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	8/17/1991
Date Began:	6/29/1989

UST:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Facility ID:	H03181
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.952796
Longitude:	-117.061586

Name: CALLAWAY OIL, INC.

SHELL SVC STATION (Continued) **1000161069**

Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Facility ID: 37-000-203426
Permitting Agency: San Diego County Department of Environmental Health
Latitude: 32.95145
Longitude: -117.06293

HMMD SAN DIEGO:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 103181
Business Type: 6HK29
EPA Id Number: CAL000159655
APN: 317-151-40-00
Last HMMD Inspection: 05/03/2004
Facility Telephone: 858-748-1554
Permit Status: CHNG
Permit Expiration: 02/28/2005
Date Last Updated: 11/02/2012
Facility Owner: EQUILON ENTERPRISES LLC
Facility Mailing Address: 1926 E PACIFIC COAST HY
Facility Mailing City: WILMINGTON
Facility Mailing State: CA
Facility Mailing Zip: 90744
UST Owner: EQUILON ENTERPRISES LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103181 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103181
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 103181 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103181
Tank Type: SINGLE WALL
Additional Id: RT0825 REGULAR UNLEADED/AT5065
Capacity Gallons: 10000

SHELL SVC STATION (Continued) **1000161069**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-06-04 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103181 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	SINGLE WALL
Additional Id:	RT0825 PLUS UNLEADED/AT5065
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-06-04 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103181 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	SINGLE WALL
Additional Id:	RT0825 PREMIUM UNLEADED/ AT5065
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-06-04 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103181 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	DOUBLE WALL
Additional Id:	RT1186 WASTE OIL/AT5065
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2004-07-06 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	Not reported

SHELL SVC STATION (Continued) **1000161069**

Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SWEEPS UST:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88

SHELL SVC STATION (Continued) **1000161069**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 3181
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

HIST UST:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
File Number: 0002B59C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B59C.pdf
Region: STATE

SHELL SVC STATION (Continued) **1000161069**

Facility ID:	00000054247
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JOE SILVA
Telephone:	6197481554
Owner Name:	JOSEPH SILVA
Owner Address:	12365 POWAY RD.
Owner City,St,Zip:	POWAY, CA 92064
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	10
Tank Num:	002
Container Num:	2
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	10
Tank Num:	003
Container Num:	3
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	10
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CORTESE:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300295
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED

SHELL SVC STATION (Continued) **1000161069**

Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1989-LSAM-H03181-001
Record Status:	Completed
Opened Date:	06/29/1989
Parcel Number:	317-151-40-00
Case Type:	LOP - Local Oversight Program
Historical Name:	SHELL 204-6240-02
SWRCB Global ID:	T0607300295
Funding:	S - LOP State Fund
Lead Agency:	RWQCB
Lead Agency Date:	07/01/2013
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.20
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9514472
Longitude:	-117.0629352
X MapCoord:	6312289.81922624
Y MapCoord:	1926943.99893105

CERS:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Site ID:	228283
CERS ID:	T0607300295
CERS Description:	Leaking Underground Storage Tank Cleanup Site

HWTS:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAL000074309

SHELL SVC STATION (Continued) **1000161069**

Inactive Date:	01/01/1900
Create Date:	03/24/1992
Last Act Date:	10/11/1995
Mailing Name:	Not reported
Mailing Address:	12365 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920640000
Owner Name:	SILVA JOE
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	DEACT 10/12/95 CO. SOLD NEW #
Contact Address:	@ SITE:CAL000159655-P.H.
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

U127 **317-151-40** **US BROWNFIELDS** **1014673593**
West **12365 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.278 mi.
1470 ft. **Site 2 of 5 in cluster U**

Relative: **Lower**
Actual: **451 ft.**

US BROWNFIELDS:

Name:	317-151-40
Address:	12365 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-40
Parcel size:	.51
Latitude:	32.952978
Longitude:	-117.060708
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39760
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006

317-151-40 (Continued) **1014673593**

Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Callaway Properties LLC
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

317-151-40 (Continued) **1014673593**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Ultra Fuel gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands, and propane AST. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 3 dispenser islands, hydraulic lifts, 1 propane AST, several 55-gallon drums, and at least 6 to 7 groundwater monitoring wells.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175
Unemployed Percent:	5.26

FINDS:
Registry ID: 110038709868

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

317-151-40 (Continued) **1014673593**

is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Registry ID: 110043355507

Click Here:

Environmental Interest/Information System:
LEAKING UNDERGROUND STORAGE TANK - ARRA

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

U128 **SHELL OIL STATION** **LUST** **S101301855**
West **12365 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS HAZ WASTE**
0.278 mi. **CERS TANKS**
1470 ft. **Site 3 of 5 in cluster U** **EMI**
HIST CORTESE
Relative: Lower **CERS**

Actual: 451 ft.

LUST:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300295
Global Id:	T0607300295
Latitude:	32.9514426131741
Longitude:	-117.062898234918
Status:	Completed - Case Closed
Status Date:	09/02/2014
Case Worker:	Not reported
RB Case Number:	9UT1473
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	During the fall of 1988, the City of Poway was excavating a trench for a sewer line extension along the western side of Pomerado Road when they discovered gasoline saturated soil next to the Shell station. Based on the City's observations, case H03181-001 was opened on July 19, 1989. The groundwater has been monitored and sampled since March 1992. In August 1992, free product was discovered in MW-8. To date (4 Qtr 2009) free product still exists in MW-8. Free product has also been detected in MW-16 (located adjacent to upgradient Chevron) between April 1996 and December 2000, at a thickness ranging from 0.02 to 0.06 feet; trace free product detected in MW-6 in August 1992; 0.01 foot free product detected in MW-10 in December 2000. In November 2004, MW-16 and MW-17 were destroyed because they were located upgradient next to the Chevron and 76 stations, respectively. MW-16 and MW-17 were essentially duplicating data from the upgradient cases. In June 2004, three USTs, product piping, and dispensers were removed and replaced with two 20k-gallon (gasoline) and one 8k-gallon (diesel) USTs. Approximately 366 cubic yards of impacted soil was excavated and treated offsite. In November 2004, a soil vapor survey was conducted to evaluate potential health risks for soil vapor intrusion. The consultant concluded that the

SHELL OIL STATION (Continued) **S101301855**

calculated risk is acceptable (less than 1E-6). For site specific data, refer to ESI Tab.

LUST:

Global Id:	T0607300295
Action Type:	RESPONSE
Date:	07/26/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300295
Action Type:	ENFORCEMENT
Date:	10/09/2009
Action:	File review
Global Id:	T0607300295
Action Type:	ENFORCEMENT
Date:	07/14/2009
Action:	Letter - Notice
Global Id:	T0607300295
Action Type:	ENFORCEMENT
Date:	02/28/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300295
Action Type:	ENFORCEMENT
Date:	09/02/2014
Action:	Closure/No Further Action Letter
Global Id:	T0607300295
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300295
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300295
Action Type:	RESPONSE
Date:	09/01/2010
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0607300295
Action Type:	RESPONSE
Date:	01/31/2012
Action:	Other Workplan - Regulator Responded
Global Id:	T0607300295
Action Type:	RESPONSE
Date:	01/29/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300295
Action Type:	ENFORCEMENT
Date:	11/08/2011
Action:	Letter - Notice

SHELL OIL STATION (Continued) **S101301855**

Global Id: T0607300295
Action Type: RESPONSE
Date: 10/30/2013
Action: Monitoring Report - Other

Global Id: T0607300295
Action Type: RESPONSE
Date: 12/16/2013
Action: Other Report / Document

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/01/2011
Action: Letter - Notice

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 11/05/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 03/22/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/01/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Began

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Discovery

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Stopped

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Reported

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/21/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE

SHELL OIL STATION (Continued) **S101301855**

Date: 08/06/2014
Action: Correspondence

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: Referral to Regional Board

Global Id: T0607300295
Action Type: RESPONSE
Date: 04/24/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300295
Action Type: RESPONSE
Date: 11/21/2014
Action: Other Report / Document

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 09/13/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 09/13/2013
Action: Notification - Public Notice of Case Closure

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/29/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 05/10/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/28/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 07/19/1989
Action: Notice of Responsibility

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/09/2010
Action: File review

SHELL OIL STATION (Continued) **S101301855**

LUST:

Global Id:	T0607300295
Status:	Open - Case Begin Date
Status Date:	06/29/1989
Global Id:	T0607300295
Status:	Open - Remediation
Status Date:	08/17/1991
Global Id:	T0607300295
Status:	Open - Site Assessment
Status Date:	07/07/2009
Global Id:	T0607300295
Status:	Open - Eligible for Closure
Status Date:	08/15/2013
Global Id:	T0607300295
Status:	Completed - Case Closed
Status Date:	09/02/2014

LUST REG 9:

Region:	9
Status:	Pollution Characterization
Case Number:	9UT1473
Local Case:	H03181-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Nuisance Conditions
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	10/01/1988
Date Stopped:	06/29/1989
Confirm Date:	07/19/1989
Submit Workplan:	Not reported
Prelim Assess:	02/07/1990
Desc Pollution:	12/1/91
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/29/1989
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	10’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	1B

SHELL OIL STATION (Continued) **S101301855**

File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	203426
Business Type:	6HK28
EPA Id Number:	CAL000159655
APN:	317-151-40-00
Last HMMD Inspection:	03/27/2012
Facility Telephone:	858-748-1554
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CALLAWAY OIL, INC
Facility Mailing Address:	12365 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	HENRY LATIFZADEH
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203426
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	UNDERGROUND TANK 203426 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	203426
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 203426 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	203426
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE

SHELL OIL STATION (Continued) **S101301855**

Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 203426 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/11/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637

SHELL OIL STATION (Continued) **S101301855**

Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3151
Violation: ALL RELEASES NOT REPORTED/RECORDED
Violation Citation: All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

SHELL OIL STATION (Continued) **S101301855**

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/03/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 203426 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T002

SHELL OIL STATION (Continued) **S101301855**

Last Update:	2012-11-02 14:17:38
Permit Number:	203426
Tank Type:	DOUBLE WALL
Additional Id:	NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-22 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 203426 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	203426
Tank Type:	DOUBLE WALL
Additional Id:	NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-22 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	203426
Business Type:	6HK28
EPA Id Number:	CAL000159655
APN:	317-151-40-00
Last HMMD Inspection:	03/27/2012
Facility Telephone:	858-748-1554
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CALLAWAY OIL, INC
Facility Mailing Address:	12365 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	HENRY LATIFZADEH
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

SHELL OIL STATION (Continued) **S101301855**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: UNDERGROUND TANK 203426 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 203426 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 203426 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

SHELL OIL STATION (Continued) **S101301855**

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/11/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

SHELL OIL STATION (Continued) **S101301855**

Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012

SHELL OIL STATION (Continued) **S101301855**

Inspection Date: 08/03/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 203426 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 12000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A

SHELL OIL STATION (Continued) **S101301855**

UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:
Name: CALLAWAY OIL, INC.
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 389051
CERS ID: 10374487
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CALLAWAY OIL, INC.
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 389051
CERS ID: 10374487
CERS Description: Underground Storage Tank

EMI:
Name: CALLAWAY OIL INC
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 1250
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.21
Reactive Organic Gases Tons/Yr: 1.21
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CALLAWAY OIL INC
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 93389
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 1250
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.21
Reactive Organic Gases Tons/Yr: 1.21
Carbon Monoxide Emissions Tons/Yr: 0

SHELL OIL STATION (Continued) **S101301855**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

SHELL OIL STATION (Continued) **S101301855**

Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	SHELL OIL STATION
edr_fadd1:	12365 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1473

CERS:

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	389051
CERS ID:	10374487
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	389051
Site Name:	CALLAWAY OIL, INC.
Violation Date:	03-26-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 03/26/2019. Inspection Sequence ID:6111693;Tank ID:33701;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS

SHELL OIL STATION (Continued) **S101301855**

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-25-2014
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 04/21/2014. Inspection Sequence ID:4811794;Tank ID:91,03;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/16/2015. Inspection Sequence ID:5239288;Tank ID:0;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 03/19/2015. Inspection Sequence ID:5239288;Tank ID:33700;Violation Description:Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes

SHELL OIL STATION (Continued) **S101301855**

before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 04/08/2015. Inspection Sequence ID:5239288;Tank ID:33700,33701,33702;Violation Description:Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-15-2016
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 04/01/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-26-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30

SHELL OIL STATION (Continued) **S101301855**

	days.
Violation Notes:	Returned to compliance on 05/01/2019. Inspection Sequence ID:6111693;Tank ID:33700,33701,33702;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	389051
Site Name:	CALLAWAY OIL, INC.
Violation Date:	03-14-2018
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33701;Violation Description:(RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	389051
Site Name:	CALLAWAY OIL, INC.
Violation Date:	03-14-2018
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33702;Violation Description:(RD) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST

SHELL OIL STATION (Continued) **S101301855**

Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 03/14/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2018
Citation: 23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description: "Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC)."
Violation Notes: Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33700,33701,33702;Violation Description:Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). 23 CCR 2636(f)(5)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-25-2014
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

SHELL OIL STATION (Continued) **S101301855**

Violation Notes: Returned to compliance on 04/21/2014. Inspection Sequence ID:4811794;Tank ID:87,91,03;Violation Description:Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5608923
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5608923
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5608923
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5850354
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018

SHELL OIL STATION (Continued) **S101301855**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5850354
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5850354
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5239290
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5239290
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5239290
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5239288
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5239288

SHELL OIL STATION (Continued) **S101301855**

Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5239288
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4811794
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4811794
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4811794
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6111693
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6111693
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

SHELL OIL STATION (Continued) **S101301855**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6111693
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6392349
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	389051
Facility Name:	CALLAWAY OIL, INC.
Env Int Type Code:	HMBP
Program ID:	10374487
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.951450
Longitude:	-117.062930

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Henry Latifazadeh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Paul Vidakovich
Entity Title:	Not reported
Affiliation Address:	3720 Oceanic Way #205
Affiliation City:	Oceanside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92056
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	CALLAWAY OIL, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SHELL OIL STATION (Continued) **S101301855**

Affiliation Zip:	Not reported
Affiliation Phone:	(858) 663-5247
Affiliation Type Desc:	Property Owner
Entity Name:	CALLAWAY PROPERTIES LLC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	ATTN: HENRY LATIFAZADEH
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-1554
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	CALLAWAY PROPERTIES LLC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CALLAWAY OIL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261

SHELL OIL STATION (Continued) **S101301855**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Identification Signer
Entity Name:	Henry Latifazadeh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	CALLAWAY PROPERTIES LLC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 663-5247
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Henry Latifzadeh
Entity Title:	Not reported
Affiliation Address:	12365 Poway Rd
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CALLAWAY OIL, INC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554

R129 **317-153-08** **US BROWNFIELDS** **1006823877**
West **13012 POMERADO ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064** **ECHO**
0.290 mi. **EMI**
1530 ft. **Site 9 of 13 in cluster R**

Relative: US BROWNFIELDS:
Lower

Name:	317-153-08
Address:	13012 POMERADO ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency

Actual:
453 ft.

317-153-08 (Continued) **1006823877**

Grant Type:	Assessment
Property Number:	317-153-08
Parcel size:	.32
Latitude:	32.952123
Longitude:	-117.06284
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39766
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Gold Star, Inc.
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-

317-153-08 (Continued) **1006823877**

Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-

317-153-08 (Continued) **1006823877**

Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Unocal 76 - Facility observed to consist of one building, parking and landscaped areas, and dispenser islands. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 2 dispenser islands, possible hydraulic lifts, and at least 2 groundwater monitoring wells.
Below Poverty Number:	143
Below Poverty Percent:	4.44
Meidan Income:	2455
Meidan Income Number:	775
Meidan Income Percent:	24.05
Vacant Housing Number:	84
Vacant Housing Percent:	6.91
Unemployed Number:	168
Unemployed Percent:	5.21

FINDS:
Registry ID: 110013824512

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR
Registry ID: 110038709920

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1006823877
Registry ID:	110013824512
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013824512
Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064

EMI:
Name: UNOCAL / POWAY

317-153-08 (Continued) **1006823877**

Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

317-153-08 (Continued) **1006823877**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1948388
Reactive Organic Gases Tons/Yr:	2.1948388
Carbon Monoxide Emissions Tons/Yr:	0

317-153-08 (Continued) **1006823877**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1948388
Reactive Organic Gases Tons/Yr:	2.1948388
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

R130 **APC OIL INC** **LUST** **S105708730**
West **13012 POMERADO RD** **SWEEPS UST** **N/A**
1/4-1/2 **POWAY, CA 92064** **HIST UST**
0.290 mi. **EMI**
1530 ft. **Site 10 of 13 in cluster R** **CERS**

Relative: **Lower**

Actual: **453 ft.**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT3685
Local Case:	H12921-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	02/19/1998
Date Stopped:	02/19/1998
Confirm Date:	05/27/1998
Submit Workplan:	7/29/98
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/27/1998
Enforce Date:	Not reported
Closed Date:	Not reported

APC OIL INC (Continued) **S105708730**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 3B
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000002
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active

APC OIL INC (Continued) **S105708730**

Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: STATION 4887
Address: 13012 POMERADO ROAD
City,State,Zip: POWAY, CA 92064
File Number: 0002F4C3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F4C3.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported

APC OIL INC (Continued) **S105708730**

Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

EMI:

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.41
Reactive Organic Gases Tons/Yr: 1.41
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.41
Reactive Organic Gases Tons/Yr: 1.41
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541

APC OIL INC (Continued) **S105708730**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.41
Reactive Organic Gases Tons/Yr:	1.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4099999999999999
Reactive Organic Gases Tons/Yr:	1.4099999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4099999999999999
Reactive Organic Gases Tons/Yr:	1.4099999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Site ID:	451626
CERS ID:	110013824512

APC OIL INC (Continued) **S105708730**

CERS Description: US EPA Air Emission Inventory System (EIS)

R131 **UNOCAL** **LUST** **S103992010**
West **13012 POMERADO** **CPS-SLIC** **N/A**
1/4-1/2 **POWAY, CA 92064** **HIST CORTESE**
0.290 mi. **SAN DIEGO CO LOP**
1530 ft. **Site 11 of 13 in cluster R**

Relative:
Lower

Actual:
453 ft.

LUST:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302452
Global Id: T0607302452
Latitude: 32.9522537
Longitude: -117.0625511
Status: Completed - Case Closed
Status Date: 04/06/2007
Case Worker: EM
RB Case Number: 9UT3685
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H12921-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607302452
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607302452
Action Type: ENFORCEMENT
Date: 04/06/2007
Action: Closure/No Further Action Letter

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Began

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Discovery

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998

UNOCAL (Continued) **S103992010**

Action: Leak Stopped

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Reported

Global Id: T0607302452
Action Type: ENFORCEMENT
Date: 07/29/1998
Action: Notice of Responsibility

LUST:
Global Id: T0607302452
Status: Open - Case Begin Date
Status Date: 02/19/1998

Global Id: T0607302452
Status: Completed - Case Closed
Status Date: 04/06/2007

CPS-SLIC:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/13/1987
Global Id: T0608159026
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12921-001
Latitude: 32.952143
Longitude: -117.062837
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: UNOCAL
edr_fadd1: 13012 POMERADO
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3685

SAN DIEGO CO LOP:

UNOCAL (Continued) **S103992010**

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1998-LSAM-H12921-002
Record Status:	Completed
Opened Date:	02/19/1998
Parcel Number:	317-153-08-00
Case Type:	LOP - Local Oversight Program
Historical Name:	TOSCO 76 #4887
SWRCB Global ID:	T0607302452
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/27/1998
Census Tract:	170.50
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521222
Longitude:	-117.0628406
X MapCoord:	6312320.084
Y MapCoord:	1927178.609

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1986-LSAM-H12921-001
Record Status:	Completed
Opened Date:	12/12/1986
Parcel Number:	317-153-08-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	POMERADO UNION SERVICE
SWRCB Global ID:	T0608159026
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	12/12/1986
Census Tract:	170.50
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521222
Longitude:	-117.0628406
X MapCoord:	6312320.084
Y MapCoord:	1927178.609

R132
West
1/4-1/2
0.290 mi.
1530 ft.

Relative:
Lower

Actual:
453 ft.

POWAY 76
13012 POMERADO RD
POWAY, CA 92064

Site 12 of 13 in cluster R

CERS HAZ WASTE
CERS TANKS
Cortese
HAZNET
CERS
HWTS

S112979753
N/A

CERS HAZ WASTE:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Underground Storage Tank

CORTESE:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302452
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	POWAY 76
Address:	13012 POMERADO RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
Contact:	CHRIS ATTISHA
Telephone:	8587480398
Mailing Name:	Not reported
Mailing Address:	13012 POMERADO RD

POWAY 76 (Continued) **S112979753**

Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.033
Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.6255
Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAD981696420
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.008

Additional Info:

Year:	2009
Gen EPA ID:	CAC002645244
Shipment Date:	20091106
Creation Date:	2/3/2010 18:30:08
Receipt Date:	20091113
Manifest ID:	002128078FLE
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090820

POWAY 76 (Continued) **S112979753**

Manifest ID:	006022050JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS - WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/23/2009 18:30:08
Receipt Date:	20090819
Manifest ID:	006019061JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/23/2009 18:30:08
Receipt Date:	20090819
Manifest ID:	006019061JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES

POWAY 76 (Continued) **S112979753**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-04-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-19-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 01/22/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following

POWAY 76 (Continued) **S112979753**

requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-05-2018
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method

POWAY 76 (Continued) **S112979753**

	approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-02-2020
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-02-2020
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-04-2013

POWAY 76 (Continued) **S112979753**

Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-13-2016
Citation:	23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description:	Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes:	Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description:	"Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes:	Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary

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containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426

POWAY 76 (Continued) **S112979753**

Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

POWAY 76 (Continued) **S112979753**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	No

POWAY 76 (Continued) **S112979753**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	58305
Facility Name:	POWAY 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.952120
Longitude:	-117.062840

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Sam Stevenson
Entity Title:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	7-Eleven #39094 Poway
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603
Affiliation Type Desc:	UST Tank Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Type Desc:	Legal Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400

Affiliation Type Desc:	Property Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400

Affiliation Type Desc:	UST Tank Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880

Affiliation Type Desc:	Environmental Contact
Entity Name:	Raad ATTISHA
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 679-4400

Affiliation Type Desc: UST Permit Applicant
Entity Name: RAAD ATTISHA
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 748-7603

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Site ID: 58305
CERS ID: T0607302452
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-04-2013
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 12/04/2013.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-19-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 01/22/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

POWAY 76 (Continued) **S112979753**

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-05-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following

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requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-02-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-02-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

POWAY 76 (Continued) **S112979753**

Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-04-2013
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-13-2016
Citation:	23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description:	Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes:	Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description:	"Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes:	Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of

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installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HW

POWAY 76 (Continued) **S112979753**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

POWAY 76 (Continued) **S112979753**

Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency

POWAY 76 (Continued) **S112979753**

Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	58305
Facility Name:	POWAY 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.

POWAY 76 (Continued) **S112979753**

Latitude: 32.952120
Longitude: -117.062840

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Sam Stevenson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: 7-Eleven #39094 Poway
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-7603

Affiliation Type Desc: UST Tank Operator
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-7603

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400
Affiliation Type Desc:	Property Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400
Affiliation Type Desc:	UST Tank Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Environmental Contact
Entity Name:	Raad ATTISHA
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 679-4400

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	RAAD ATTISHA
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-7603

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	T0608159026
CERS Description:	Cleanup Program Site

Violations:

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-04-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-19-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

POWAY 76 (Continued) **S112979753**

Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 01/22/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	58305
Site Name:	POWAY 76
Violation Date:	12-05-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months

POWAY 76 (Continued) **S112979753**

thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-02-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-02-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at

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installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-04-2013
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 12/04/2013.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-13-2016
Citation: 23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description: Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes: Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Site ID: 58305
Site Name: POWAY 76
Violation Date: 12-17-2019
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by

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a certified service technician. Maintain records of secondary containment testing for 36 months."

Violation Notes: Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

POWAY 76 (Continued) **S112979753**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No

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Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5550980
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5550980
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5550980
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5186449
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5186449
Eval Division: San Diego County Department of Env Health

POWAY 76 (Continued) **S112979753**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5186449
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6388992
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6388992
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Tank HT202 Inspection ID:4976638
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Tank HT202 Inspection ID:4976638
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Tank HT202 Inspection ID:4976638
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

POWAY 76 (Continued) **S112979753**

Coordinates:

Site ID:	58305
Facility Name:	POWAY 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.952120
Longitude:	-117.062840

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Sam Stevenson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	7-Eleven #39094 Poway
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603

Affiliation Type Desc:	UST Tank Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway

POWAY 76 (Continued) **S112979753**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400
Affiliation Type Desc:	Property Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400
Affiliation Type Desc:	UST Tank Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Environmental Contact
Entity Name:	Raad ATTISHA

POWAY 76 (Continued) **S112979753**

Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 679-4400
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	RAAD ATTISHA
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-7603

HWTS:

Name:	POWAY 76
Address:	13012 POMERADO RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAC002645244
Inactive Date:	02/07/2010
Create Date:	08/10/2009
Last Act Date:	03/02/2010
Mailing Name:	Not reported
Mailing Address:	13012 POMERADO RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	POWAY 76 / CHRIS ATTISHA
Owner Address:	13012 POMERADO RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 92064
Contact Name:	CHRIS ATTISHA

POWAY 76 (Continued) **S112979753**

Contact Address: 13012 POMERADO RD
Contact Address 2: Not reported
City,State,Zip: POWAY, CA 92064

R133 **POWAY 76** **SAN DIEGO CO. SAM** **U003789395**
West **13012 POMERADO RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.290 mi.
1530 ft. **Site 13 of 13 in cluster R**

Relative:
Lower

Actual:
453 ft.

SAN DIEGO CO. SAM:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Case Number: H12921-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 1/13/1987
Date Began: 12/12/1986

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Case Number: H12921-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 4/6/2007
Date Began: 2/19/1998

HMMD SAN DIEGO:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 206048
Business Type: 6HK28
EPA Id Number: CAL000490488
APN: 317-153-08-00
Last HMMD Inspection: 12/27/2011
Facility Telephone: 858-679-4400
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: POWAY 76
Facility Mailing Address: P.O BOX 21435
Facility Mailing City: EL CAJON
Facility Mailing State: CA
Facility Mailing Zip: 92021
UST Owner: GOLD STAR
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

POWAY 76 (Continued) **U003789395**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 206048
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112921 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 206048
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112921 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 206048
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112921 T004
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 206048
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SUMP LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 206048
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX - GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 12/27/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	12/27/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/27/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005

POWAY 76 (Continued) **U003789395**

Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006

POWAY 76 (Continued) **U003789395**

Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3410
Violation:	ALARM NOT FUNCTIONAL/NO DISP FLOW STOP
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Continuous audible and visual alarm not functioning or does not stop flow at dispenser. 2636(f)(1)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 112921 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891; RT 4591,RT4774
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891; RT 4591,RT4774
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891 RT4591,RT4774
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL

POWAY 76 (Continued) **U003789395**

Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	DOUBLE WALL
Additional Id:	NT2022/AT5436
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2009-11-06 00:00:00
Year Installed:	2005-02-01 00:00:00
Pipe Type:	OTHER
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	112921
Business Type:	6HK29
EPA Id Number:	CAL000190288
APN:	317-153-08-00
Last HMMD Inspection:	06/11/2003
Facility Telephone:	858-748-7603
Permit Status:	CHNG
Permit Expiration:	04/30/2003
Date Last Updated:	11/02/2012
Facility Owner:	TOSCO CORP #30752-254887
Facility Mailing Address:	PO BOX 52085
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85072-2085
UST Owner:	TOSCO CORP #30752
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112921 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	SINGLE WALL
Additional Id:	RT0891 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE

POWAY 76 (Continued) **U003789395**

Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112921 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	4887-44
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-02-19 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY
UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	SINGLE WALL
Additional Id:	RT0891 UNLEADED
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	SINGLE WALL
Additional Id:	RT0891 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY

POWAY 76 (Continued) **U003789395**

MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	DOUBLE WALL
Additional Id:	NT2022
Capacity Gallons:	600
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	2005-02-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	201977
Business Type:	6HK29
EPA Id Number:	CAL000008931
APN:	317-153-08-00
Last HMMD Inspection:	11/29/2004
Facility Telephone:	858-748-7603
Permit Status:	CHNG
Permit Expiration:	10/31/2006
Date Last Updated:	11/02/2012
Facility Owner:	CALIFORNIA'S FINEST OIL
Facility Mailing Address:	13012 POMERADO RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	GOLDSTAR INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112921 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL

POWAY 76 (Continued) **U003789395**

Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	DOUBLE WALL
Additional Id:	NT2022
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	2005-02-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

POWAY 76 (Continued) **U003789395**

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000371859
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(858) 679-4400
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	07/15/2020
Facility Owner:	Not reported
Facility Mailing Address:	13012 Pomerado Rd., Poway, CA 92064
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6388992
Return To Compliance Date:	2020-03-24T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2019-12-17T00:00:00.000
Violation Code:	2030048 (TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank

POWAY 76 (Continued) **U003789395**

Inspection Type:	Routine
Inspection Number:	4787426
Return To Compliance Date:	2013-12-04T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2013-12-04T08:22:00.000
Violation Code:	2030019 Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected. 23 CCR 16 2636(f)(1).

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5550980
Return To Compliance Date:	2017-01-12T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2016-12-13T12:52:00.000
Violation Code:	2030006 (RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4787426
Return To Compliance Date:	2013-12-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2013-12-04T08:22:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048

POWAY 76 (Continued) **U003789395**

Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6388992
Return To Compliance Date:	2020-02-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2019-12-17T00:00:00.000
Violation Code:	2030013 (TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days. 23CCR 2716 (a-e)

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	YEARLY:UST WITH BELOW GRADE
Inspection Number:	4091961
Return To Compliance Date:	Not reported
Nov:	N
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2020-07-15T02:11:04.000
Inspection Date:	2012-12-06T17:21:00.000
Violation Code:	2060020 Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion.

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4976638
Return To Compliance Date:	2015-01-22T00:00:00.000
Nov:	No
Violation Classification:	Minor

POWAY 76 (Continued) **U003789395**

Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2020-07-15T02:11:04.000
Inspection Date: 2014-12-19T09:21:00.000
Violation Code: 1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-206048
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 6038177
Return To Compliance Date: 2019-01-25T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 22206
Container/Tank Id: Not reported
Last Update: 2020-07-15T02:11:04.000
Inspection Date: 2018-12-05T14:27:00.000
Violation Code: 2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

UST DTL:
Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-206048
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: APC Oil Inc.
Tankid: 22206
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: Motor Vehicle Fueling
Piping System Type: Pressure
Last Updated: 2020-07-15T02:11:13.000
Tank Capacityin Gallons: 10000
Tank Contents: Regular Unleaded
Type Of Tank: Single Wall

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y

POWAY 76 (Continued) **U003789395**

Facility Id Number:	37-000-206048
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APC Oil Inc.
Tankid:	22208
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-07-15T02:11:13.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Single Wall

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APC Oil Inc.
Tankid:	22209
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2020-07-15T02:11:13.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Single Wall

Waste and Materials:

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0200525
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-26T04:16:32.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	GASOLINE FILTERS AND USED ABSORBENT
Case Number:	Not reported

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0200526
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-26T04:16:32.000
Chemical Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name:	SUMP LIQUID
Case Number:	Not reported

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0230454
Trade Secret:	N

POWAY 76 (Continued) **U003789395**

Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0230455
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0230456
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149106
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149107
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149108
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000

POWAY 76 (Continued) **U003789395**

Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112921 T001
Case Number:	8006-61-9
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0127481
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-17T15:44:33.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	VORTEX - GASOLINE FILTERS
Case Number:	Not reported
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0127482
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-17T15:44:33.000
Chemical Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name:	SUMP LIQUID
Case Number:	Not reported
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0201741
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-04-20T17:21:07.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112921 T001
Case Number:	8006-61-9
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0201739
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-04-20T17:21:07.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 112921 T003
Case Number:	8006-61-9
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0201740
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-04-20T17:21:07.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112921 T004

POWAY 76 (Continued) **U003789395**

Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173848
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173849
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269457
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-15T02:11:12.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269458
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-15T02:11:12.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269459
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-15T02:11:12.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

POWAY 76 (Continued) **U003789395**

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239617
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-07-15T02:11:13.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	GASOLINE FILTERS AND USED ABSORBENT
Case Number:	Not reported

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239618
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-07-15T02:11:13.000
Chemical Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name:	SUMP LIQUID
Case Number:	Not reported

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0081567
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-01-20T00:00:00.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 112921 T003
Case Number:	8006-61-9

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0081568
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-01-20T00:00:00.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112921 T004
Case Number:	8006-61-9

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0081569
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-01-20T00:00:00.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112921 T001
Case Number:	8006-61-9

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed

POWAY 76 (Continued) **U003789395**

Active Permit: Y
Child Record Id: DEH2015-HWAST-0065036
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: VORTEX - GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0065037
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192103
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192104
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192105
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166228

POWAY 76 (Continued) **U003789395**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166229
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 206048
Business Type: 6HK28
EPA Id Number: CAL000490488
APN: 317-153-08-00
Last HMMD Inspection: 12/27/2011
Facility Telephone: 858-679-4400
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: POWAY 76
Facility Mailing Address: P.O BOX 21435
Facility Mailing City: EL CAJON
Facility Mailing State: CA
Facility Mailing Zip: 92021
UST Owner: GOLD STAR
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 206048
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112921 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 206048
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED

POWAY 76 (Continued) **U003789395**

Other Information:	UNDERGROUND TANK 112921 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112921 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	SUMP LIQUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX - GASOLINE FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	12/27/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	12/27/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/27/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012

POWAY 76 (Continued) **U003789395**

Inspection Date:	11/17/2005
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION

POWAY 76 (Continued) **U003789395**

Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3152

POWAY 76 (Continued) **U003789395**

Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3251
Violation: MONITOR IN ALARM AT START OF INSPECTION
Violation Citation: Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3251
Violation: MONITOR IN ALARM AT START OF INSPECTION
Violation Citation: Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3410
Violation: ALARM NOT FUNCTIONAL/NO DISP FLOW STOP
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Continuous audible and visual alarm not functioning or does not stop flow at dispenser. 2636(f)(1)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 112921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 206048
Tank Type: SINGLE WALL
Additional Id: RT0891; RT 4591,RT4774

POWAY 76 (Continued) **U003789395**

Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891; RT 4591,RT4774
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891 RT4591,RT4774
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	DOUBLE WALL
Additional Id:	NT2022/AT5436
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2009-11-06 00:00:00
Year Installed:	2005-02-01 00:00:00

POWAY 76 (Continued) **U003789395**

Pipe Type: OTHER
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 201977
Business Type: 6HK29
EPA Id Number: CAL000008931
APN: 317-153-08-00
Last HMMD Inspection: 11/29/2004
Facility Telephone: 858-748-7603
Permit Status: CHNG
Permit Expiration: 10/31/2006
Date Last Updated: 11/02/2012
Facility Owner: CALIFORNIA'S FINEST OIL
Facility Mailing Address: 13012 POMERADO RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: GOLDSTAR INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 201977
Tank Type: SINGLE WALL
Additional Id: RT0891
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-07-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 112921 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 201977
Tank Type: SINGLE WALL
Additional Id: RT0891
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED

POWAY 76 (Continued) **U003789395**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	DOUBLE WALL
Additional Id:	NT2022
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	2005-02-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

V134 **317-490-55** **US BROWNFIELDS 1016347239**
NE **12845 POWAY ROAD** **FINDS N/A**
1/4-1/2 **POWAY, CA 92064**
0.313 mi.
1651 ft. **Site 1 of 2 in cluster V**

Relative: US BROWNFIELDS:
Higher

Name:	317-490-55
Address:	12845 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-55
Parcel size:	4.47

Actual:
516 ft.

317-490-55 (Continued) **1016347239**

Latitude:	32.956559
Longitude:	-117.051858
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39805
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Suzanne G. Gildred
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported

317-490-55 (Continued) **1016347239**

Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-

317-490-55 (Continued) **1016347239**

Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Carriage Center - Facility observed to consist of four buildings and parking areas. Facility observed to be shopping center.
Below Poverty Number:	236
Below Poverty Percent:	4.42
Meidan Income:	7726
Meidan Income Number:	947
Meidan Income Percent:	17.73
Vacant Housing Number:	116
Vacant Housing Percent:	6.1
Unemployed Number:	251
Unemployed Percent:	4.7

FINDS:
Registry ID: 110038719349

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

U135 **317-153-22** **US BROWNFIELDS** **1016346569**
West **12380 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.315 mi.
1661 ft. **Site 4 of 5 in cluster U**

Relative: **Lower**
Actual: **447 ft.**

US BROWNFIELDS:

Name:	317-153-22
Address:	12380 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-153-22
Parcel size:	.52
Latitude:	32.951951
Longitude:	-117.063719
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39768
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-

317-153-22 (Continued) **1016346569**

Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Home Savings of America
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-

317-153-22 (Continued) **1016346569**

Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Washington Mutual - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175

317-153-22 (Continued) **1016346569**

Unemployed Percent: 5.26

FINDS:
Registry ID: 110038709948

Click Here:

Environmental Interest/Information System:
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U136 **317-151-44** **US BROWNFIELDS** **1016346565**
West **12339 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.323 mi.
1703 ft. **Site 5 of 5 in cluster U**

Relative: **Lower**
Actual: **446 ft.**

US BROWNFIELDS:

Name:	317-151-44
Address:	12339 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-44
Parcel size:	1.92
Latitude:	32.950998
Longitude:	-117.063689
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39762
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006

317-151-44 (Continued) **1016346565**

Current Owner:	12339 Corporation
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

317-151-44 (Continued) **1016346565**

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Part of Poway Promenade - Facility observed to consist of one building, and parking areas. Facility observed to consist of retail business within shopping center. Monitoring wells observed.
Below Poverty Number:	144
Below Poverty Percent:	4.21
Meidan Income:	2735
Meidan Income Number:	786
Meidan Income Percent:	22.99
Vacant Housing Number:	82
Vacant Housing Percent:	6.42
Unemployed Number:	175
Unemployed Percent:	5.12

FINDS:
Registry ID: 110038709886

Click Here:

Environmental Interest/Information System:
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V137 **317-090-46, -48, -49** **US BROWNFIELDS** **1014933035**
NE **12800 BLOCK OF CARRIAGE HEIGHTS WAY** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.351 mi.
1851 ft. **Site 2 of 2 in cluster V**

Relative:
Higher

Actual:
594 ft.

US BROWNFIELDS:

Name:	317-090-46, -48, -49
Address:	12800 BLOCK OF CARRIAGE HEIGHTS WAY
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-090-46, -48, -49
Parcel size:	6.25
Latitude:	32.957153
Longitude:	-117.05217
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39738
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Joseph and Janice Hory et al.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-090-46, -48, -49 (Continued) **1014933035**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-090-46, -48, -49 (Continued) **1014933035**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Carriage Road Townhomes - Facility observed to consist of nine buildings, and parking and landscaped areas. Facility observed to be multi-unit residences.
Below Poverty Number:	189
Below Poverty Percent:	4.49
Meidan Income:	6756
Meidan Income Number:	749
Meidan Income Percent:	17.78
Vacant Housing Number:	62
Vacant Housing Percent:	4.14
Unemployed Number:	212
Unemployed Percent:	5.03

W138 **317-490-69** **US BROWNFIELDS 1016347286**
NE **12941 POWAY ROAD** **FINDS N/A**
1/4-1/2 **POWAY, CA 92064**
0.352 mi.
1857 ft. **Site 1 of 3 in cluster W**

Relative:
Higher

Actual:
498 ft.

US BROWNFIELDS:

Name:	317-490-69
Address:	12941 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-69
Parcel size:	2.21
Latitude:	32.956538
Longitude:	-117.050979
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39812
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-

317-490-69 (Continued) **1016347286**

Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Poway Entertainment Co., LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-

317-490-69 (Continued) **1016347286**

Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Poway Fun Bowl, and Jimmy Z s - Facility observed to consist of one building, and parking areas. Facility observed to be bowling alley and lounge.
Below Poverty Number:	313
Below Poverty Percent:	4.52
Meidan Income:	7893
Meidan Income Number:	1337
Meidan Income Percent:	19.32
Vacant Housing Number:	131

317-490-69 (Continued) **1016347286**

Vacant Housing Percent: 5.49
Unemployed Number: 279
Unemployed Percent: 4.03

FINDS:
Registry ID: 110038719991

Click Here:

Environmental Interest/Information System:
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W139 **317-490-68** **US BROWNFIELDS** **1016347285**
NE **12947 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.383 mi.
2022 ft. **Site 2 of 3 in cluster W**

Relative: **Higher**
Actual: **502 ft.**

US BROWNFIELDS:

Name:	317-490-68
Address:	12947 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-68
Parcel size:	.69
Latitude:	32.956495
Longitude:	-117.050399
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39811
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006

317-490-68 (Continued) **1016347285**

Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	L.G. Enterprises Poway
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

317-490-68 (Continued) **1016347285**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Big-O-Tires - Facility observed to consist of one building with services bays, and parking areas. Facility observed to be tire shop. Inground hydraulic lifts observed.
Below Poverty Number:	313
Below Poverty Percent:	4.52
Meidan Income:	7893
Meidan Income Number:	1337
Meidan Income Percent:	19.32
Vacant Housing Number:	131
Vacant Housing Percent:	5.49
Unemployed Number:	279
Unemployed Percent:	4.03

FINDS:
Registry ID: 110038719982

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

317-490-68 (Continued) **1016347285**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

X140 **317-153-18, -19, -20, AND -21** **US BROWNFIELDS** **1016346568**
West **12300 BLOCK OF POWAY ROAD (EVENS)** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.392 mi.
2072 ft. **Site 1 of 4 in cluster X**

Relative: **Lower**

Actual: **446 ft.**

US BROWNFIELDS:

Name:	317-153-18, -19, -20, AND -21
Address:	12300 BLOCK OF POWAY ROAD (EVENS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-153-18, -19, -20, and -21
Parcel size:	8.63
Latitude:	32.95174
Longitude:	-117.064915
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39767
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Business Properties Partnership No. 16
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-

317-153-18, -19, -20, AND -21 (Continued) **1016346568**

IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-

317-153-18, -19, -20, AND -21 (Continued) **1016346568**

SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Shopping center - Facility observed to consist of four buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	142
Below Poverty Percent:	4.22
Meidan Income:	2735
Meidan Income Number:	771
Meidan Income Percent:	22.94
Vacant Housing Number:	77
Vacant Housing Percent:	6.12
Unemployed Number:	173
Unemployed Percent:	5.15

FINDS:
Registry ID: 110038709939

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

W141 **317-490-57** **US BROWNFIELDS** **1016347240**
NE **12957 AND 12963 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.404 mi.
2135 ft. **Site 3 of 3 in cluster W**

Relative: **Higher**

Actual: **503 ft.**

US BROWNFIELDS:

Name:	317-490-57
Address:	12957 AND 12963 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-57

317-490-57 (Continued) **1016347240**

Parcel size:	1.24
Latitude:	32.956462
Longitude:	-117.049906
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39806
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Richard M. Darr Trust
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-

317-490-57 (Continued) **1016347240**

No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-

317-490-57 (Continued) **1016347240**

Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Enterprise Rent-A-Car and RV Storage - Facility observed to consist of one building, parking areas, and RV storage yard.
Below Poverty Number:	242
Below Poverty Percent:	4.25
Meidan Income:	8060
Meidan Income Number:	963
Meidan Income Percent:	16.92
Vacant Housing Number:	105
Vacant Housing Percent:	5.56
Unemployed Number:	199
Unemployed Percent:	3.5

FINDS:
Registry ID: 110038719358

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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X142 **ACE TIRE CENTERS OF POWAY** **LUST** **S100232616**
West **12255 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS HAZ WASTE**
0.415 mi. **SWEEPS UST**
2189 ft. **Site 2 of 4 in cluster X** **HIST CORTESE**
CERS

Relative:
Lower

Actual:
440 ft.

LUST:

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302759
Global Id:	T0607302759
Latitude:	32.9506908
Longitude:	-117.0674082
Status:	Completed - Case Closed
Status Date:	01/19/2012
Case Worker:	TVS
RB Case Number:	9UT457
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H14146-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case is Closed. Please refer to "Site Maps/Documents" tab for Closure Letter/Summary.

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

LUST:
Global Id: T0607302759
Contact Type: Local Agency Caseworker
Contact Name: TONY SAWYER
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: tony.sawyer@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 05/21/2010
Action: Notification - Public Notice of Case Closure

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 07/01/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 05/13/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 08/21/1992
Action: Notice of Responsibility

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 11/29/2011
Action: Staff Letter

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 01/19/2012
Action: Closure/No Further Action Letter

Global Id: T0607302759
Action Type: Other
Date: 07/17/1986
Action: Leak Began

Global Id: T0607302759
Action Type: Other
Date: 07/17/1986
Action: Leak Discovery

Global Id: T0607302759
Action Type: Other
Date: 09/29/1986
Action: Leak Stopped

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Global Id: T0607302759
Action Type: Other
Date: 09/29/1986
Action: Leak Reported

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

LUST:
Global Id: T0607302759
Status: Open - Case Begin Date
Status Date: 07/17/1986

Global Id: T0607302759
Status: Open - Remediation
Status Date: 12/31/1986

Global Id: T0607302759
Status: Open - Verification Monitoring
Status Date: 05/19/2010

Global Id: T0607302759
Status: Completed - Case Closed
Status Date: 01/19/2012

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT457
Local Case: H14146-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Piping
Cause: Overfill
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 07/16/1986
Date Stopped: 09/29/1986
Confirm Date: 09/29/1986
Submit Workplan: Not reported
Prelim Assess: 02/18/1987
Desc Pollution: Not reported
Remed Plan: 09/18/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/17/1986
Enforce Date: 8/21/92
Closed Date: Not reported
Enforce Type: SEL

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Pilot Program: LOP
Basin Number: 906.20
GW Depth: 13ft
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: WRENCH ON WHEELS DBA WOW AUTO CARE
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000407212
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 8587483500
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/19/2020
Facility Owner: Not reported
Facility Mailing Address: 12255 POWAY RD, POWAY, CA 92064
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-216397
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5947447
Return To Compliance Date: 2018-05-07T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2020-05-19T00:00:00.000
Inspection Date: 2018-04-12T16:37:00.000
Violation Code: HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Active Permit:	Y
Facility Id Number:	37-000-216397
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5947447
Return To Compliance Date:	2018-05-07T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-05-19T00:00:00.000
Inspection Date:	2018-04-12T16:37:00.000
Violation Code:	HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.905

Record ID:	DEH2012-HUPFP-216397
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216397
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5947447
Return To Compliance Date:	2018-06-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2020-05-19T00:00:00.000
Inspection Date:	2018-04-12T16:37:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Waste and Materials:

Record ID:	DEH2012-HUPFP-216397
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0083583
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-06-09T00:59:11.000
Chemical Name:	Waste Antifreeze
Common Name:	Waste Antifreeze
Case Number:	107-21-1

Record ID:	DEH2012-HUPFP-216397
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HCHEM-0083584
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-06-09T00:59:11.000
Chemical Name:	New Transmission Fluid
Common Name:	New Transmission Fluid
Case Number:	107-21-1

Record ID:	DEH2012-HUPFP-216397
Permit Status:	Permit Renewed

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Active Permit: Y
Child Record Id: DEH2015-HCHEM-0083585
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-06-09T00:59:11.000
Chemical Name: New Coolant
Common Name: New Coolant
Case Number: 107-21-1

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0066830
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-06-09T00:59:12.000
Chemical Name: Used Motor Oil
Common Name: Used Motor Oil
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0257830
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: New Motor Oil
Common Name: New Motor Oil
Case Number: -

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0257831
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: New Antifreeze
Common Name: New Antifreeze
Case Number: 107-21-1

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0257832
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: New Transmission Fluid
Common Name: New Transmission Fluid
Case Number: 107-21-1

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228685

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: Used Motor Oil
Common Name: Used Motor Oil
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228686
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: PARTS WASHER WASTE SOLUTION
Common Name: PARTS WASHER WASTE SOLUTION
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228687
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: PAPER FILTERS WASTE
Common Name: PAPER FILTERS WASTE
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0228688
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-05-19T02:34:12.000
Chemical Name: WASTE ANTIFREEZE
Common Name: WASTE ANTIFREEZE
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0083582
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-06-09T00:59:11.000
Chemical Name: New Motor Oil
Common Name: New Motor Oil
Case Number: -

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187051
Trade Secret: N
Hazardous Material Type: Mixture

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Last Updated: 2019-05-01T02:34:58.000
Chemical Name: New Motor Oil
Common Name: New Motor Oil
Case Number: -

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187052
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-05-01T02:34:58.000
Chemical Name: New Antifreeze
Common Name: New Antifreeze
Case Number: 107-21-1

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187053
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-05-01T02:34:58.000
Chemical Name: New Transmission Fluid
Common Name: New Transmission Fluid
Case Number: 107-21-1

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161981
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-05-01T02:34:58.000
Chemical Name: Used Motor Oil
Common Name: Used Motor Oil
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161982
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-05-01T02:34:58.000
Chemical Name: PARTS WASHER WASTE SOLUTION
Common Name: PARTS WASHER WASTE SOLUTION
Case Number: Not reported

Record ID: DEH2012-HUPFP-216397
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161983
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-05-01T02:34:58.000
Chemical Name: PAPER FILTERS WASTE

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Common Name:	PAPER FILTERS WASTE
Case Number:	Not reported
Record ID:	DEH2012-HUPFP-216397
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0161984
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-05-01T02:34:58.000
Chemical Name:	WASTE ANTIFREEZE
Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported
Name:	ACE TIRE CENTERS OF POWAY
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	216397
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	317-151-60-00
Last HMMD Inspection:	06/13/2012
Facility Telephone:	858-391-0288
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	ACE TIRE CENTERS OF POWAY
Facility Mailing Address:	12255 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	216397
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	216397
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Permit Number:	216397
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ANITFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	216397
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CERS HAZ WASTE:

Name:	WRENCH ON WHEELS DBA WOW AUTO CARE
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	277175
CERS ID:	10374976
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	POWAY VOLKSWAGEN
Address:	12255 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	14146
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Name:	POWAY VOLKSWAGEN
Address:	12255 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	14146
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014146-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

HIST CORTESE:

edr_fname:	SAN DIEGO VOLVO
edr_fadd1:	12255 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT457

CERS:

Name:	WRENCH ON WHEELS DBA WOW AUTO CARE
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	277175
CERS ID:	10374976
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	277175
Site Name:	Wrench On Wheels DBA Wow Auto Care
Violation Date:	04-12-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/07/2018. Inspection Sequence ID:5947447;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	277175
Site Name:	Wrench On Wheels DBA Wow Auto Care
Violation Date:	04-12-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/07/2018. Inspection Sequence ID:5947447;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Site ID: 277175
Site Name: Wrench On Wheels DBA Wow Auto Care
Violation Date: 04-12-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 06/08/2018. Inspection Sequence ID:5947447
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5947447
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5947447
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5368379
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5368379
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 277175
Facility Name: Wrench On Wheels DBA Wow Auto Care
Env Int Type Code: HWG
Program ID: 10374976
Coord Name: Not reported

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Ref Point Type Desc:	Center of a facility or station.
Latitude:	32.951220
Longitude:	-117.065510

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	DAVID PIKE
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12255 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	DAVID PIKE
Entity Title:	Not reported
Affiliation Address:	12255 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-3500

Affiliation Type Desc:	Operator
Entity Name:	Wrench On Wheels DBA Wow Auto Care
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-3500

Affiliation Type Desc:	Parent Corporation
Entity Name:	WRENCH ON WHEELS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health

ACE TIRE CENTERS OF POWAY (Continued) **S100232616**

Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880
Affiliation Type Desc:	Document Preparer
Entity Name:	DAVID PIKE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	LIV PIKE
Entity Title:	Not reported
Affiliation Address:	12255 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	Not reported

X143 **317-151-60** **RCRA-SQG** **1000686496**
West **12255 POWAY ROAD** **US BROWNFIELDS** **CAD983638164**
1/4-1/2 **POWAY, CA 92064** **FINDS**
0.415 mi. **ECHO**
2189 ft. **Site 3 of 4 in cluster X**

Relative: RCRA-SQG:
Lower

Date Form Received by Agency:		1992-02-27 00:00:00.0
Actual: Handler Name:	RICHARDSON PONTIAC	
440 ft. Handler Address:		12255 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD983638164
Contact Name:		CRAIG VADEN
Contact Address:		12255 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-679-6900
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12255 POWAY RD

317-151-60 (Continued) **1000686496**

Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	RICHARDSON PONITAC
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:36:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No

317-151-60 (Continued) **1000686496**

Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: RICHARDSON PONITAC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 15209 CRESTVIEW CT
Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 619-748-3480
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1992-02-27 00:00:00.0
Handler Name: RICHARDSON PONTIAC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US BROWNFIELDS:
Name: 317-151-60
Address: 12255 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-151-60
Parcel size: .79
Latitude: 32.951658
Longitude: -117.062704
HCM Label: -

317-151-60 (Continued) **1000686496**

Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39764
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/30/2006
Ownership Entity:	-
Completion Date:	06/30/2006
Current Owner:	Paul McGregor 10-21-92 & Angela
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N

317-151-60 (Continued) **1000686496**

Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

317-151-60 (Continued) **1000686496**

Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Automotive Outlet -Facility observed to consist of one building and parking areas. Facility observed to be automotive sales and service facility.
Below Poverty Number:	134
Below Poverty Percent:	4.29
Meidan Income:	3217
Meidan Income Number:	736
Meidan Income Percent:	23.54
Vacant Housing Number:	70
Vacant Housing Percent:	5.93
Unemployed Number:	162
Unemployed Percent:	5.18

FINDS:
Registry ID: 110002877511

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038709902

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000686496
Registry ID:	110002877511
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002877511
Name:	RICHARDSON PONTIAC
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 92064

X144 **WRENCH ON WHEELS** **SAN DIEGO CO. SAM** **S103240604**
West **12255 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **Cortese**
0.415 mi. **HAZNET**
2189 ft. **Site 4 of 4 in cluster X** **SAN DIEGO CO LOP**
CERS
Relative: **HWTS**
Lower

Actual: SAN DIEGO CO. SAM:
440 ft.

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217

WRENCH ON WHEELS (Continued) **S103240604**

Case Number: H14146-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 4/11/2006
Date Began: 7/17/1986

HMMD SAN DIEGO:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 114146
Business Type: 6HK26
EPA Id Number: CAD131180853
APN: 317-151-60-00
Last HMMD Inspection: 05/17/2002
Facility Telephone: 858-486-4380
Permit Status: INAC
Permit Expiration: 06/30/2004
Date Last Updated: 11/02/2012
Facility Owner: CORJEN INC
Facility Mailing Address: 12255 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4217
UST Owner: S D COUNTY IMPORTS
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 114146 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 114146
Tank Type: SINGLE WALL
Additional Id: AT0188-1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 114146

WRENCH ON WHEELS (Continued) **S103240604**

Business Type:	6HK26
EPA Id Number:	CAD131180853
APN:	317-151-60-00
Last HMMD Inspection:	05/17/2002
Facility Telephone:	858-486-4380
Permit Status:	INAC
Permit Expiration:	06/30/2004
Date Last Updated:	11/02/2012
Facility Owner:	CORJEN INC
Facility Mailing Address:	12255 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4217
UST Owner:	S D COUNTY IMPORTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114146 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114146
Tank Type:	SINGLE WALL
Additional Id:	AT0188-1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CORTESE:

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302759
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active

WRENCH ON WHEELS (Continued) **S103240604**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	WRENCH ON WHEELS
Address:	12255 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
Contact:	DAVID PIKE
Telephone:	8587483500
Mailing Name:	Not reported
Mailing Address:	12255 POWAY RD
Year:	2018
Gepaid:	CAL000407212
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05000
Year:	2017
Gepaid:	CAL000407212
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125

Additional Info:

Year:	2017
Gen EPA ID:	CAL000407212
Shipment Date:	20170302
Creation Date:	5/25/2017 18:30:38
Receipt Date:	20170314
Manifest ID:	016853932JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

WRENCH ON WHEELS (Continued) **S103240604**

Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

SAN DIEGO CO LOP:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1986-LSAM-H14146-001
Record Status: Completed
Opened Date: 09/29/1986
Parcel Number: 317-151-60-00
Case Type: LOP - Local Oversight Program
Historical Name: POWAY VOLKSWAGEN
SWRCB Global ID: T0607302759
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 07/17/1986
Census Tract: 170.42
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9512197
Longitude: -117.0655043
X MapCoord: 6311478.275
Y MapCoord: 1926867.617

CERS:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 920644217
Site ID: 258455
CERS ID: T0607302759
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TONY SAWYER - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: WRENCH ON WHEELS

WRENCH ON WHEELS (Continued) **S103240604**

Address:	12255 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000407212
Inactive Date:	Not reported
Create Date:	05/27/2015
Last Act Date:	07/08/2020
Mailing Name:	LIV PIKE
Mailing Address:	12255 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920640000
Owner Name:	DAVID PIKE
Owner Address:	12255 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	DAVID PIKE
Contact Address:	12255 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAL000407212
Create Date:	2015-05-27 08:51:11.527
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2015-05-27 08:51:11.52000
Inactive Date:	Not reported
Facility Name:	WRENCH ON WHEELS
Facility Address:	12255 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Y145 **317-472-02** **US BROWNFIELDS** **1016347215**
ENE **13027 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.463 mi.
2445 ft. **Site 1 of 6 in cluster Y**

Relative:
Higher

Actual:
494 ft.

US BROWNFIELDS:

Name:	317-472-02
Address:	13027 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-02
Parcel size:	.51
Latitude:	32.956384
Longitude:	-117.047616
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39776

317-472-02 (Continued) **1016347215**

IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Hugh N. and Patricia A. Weech
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-

317-472-02 (Continued) **1016347215**

PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Town & Country Veterinary - Facility observed to consist of one building and parking areas. Facility observed to be veterinary office.
Below Poverty Number:	186

317-472-02 (Continued) **1016347215**

Below Poverty Percent:	4.21
Meidan Income:	5816
Meidan Income Number:	784
Meidan Income Percent:	17.73
Vacant Housing Number:	55
Vacant Housing Percent:	3.8
Unemployed Number:	163
Unemployed Percent:	3.69

FINDS:
Registry ID: 110038719054

Click Here:

Environmental Interest/Information System:
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146 **317-101-01** **US BROWNFIELDS** **1016346585**
NE **13010 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.469 mi.
2475 ft.

Relative:
Higher

Actual:
515 ft.

US BROWNFIELDS:

Name:	317-101-01
Address:	13010 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-101-01
Parcel size:	1.12
Latitude:	32.956544
Longitude:	-117.047904
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39739
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-

317-101-01 (Continued) **1016346585**

Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Urode Family Trust, and Joyce Urode 11-05-01
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-

317-101-01 (Continued) **1016346585**

Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Vacant- Observed to consist of building pad and parking areas, and area fenced.
Below Poverty Number:	199
Below Poverty Percent:	4.18
Meidan Income:	6691
Meidan Income Number:	783
Meidan Income Percent:	16.45
Vacant Housing Number:	61
Vacant Housing Percent:	3.93
Unemployed Number:	174
Unemployed Percent:	3.66

FINDS:
Registry ID: 110038710160

Click Here:

Environmental Interest/Information System:

317-101-01 (Continued) **1016346585**

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Y147 **317-472-06** **US BROWNFIELDS** **1016347217**
ENE **13031 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.473 mi.
2500 ft. **Site 2 of 6 in cluster Y**

Relative: **Higher**

Actual: **495 ft.**

US BROWNFIELDS:

Name:	317-472-06
Address:	13031 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-06
Parcel size:	.3
Latitude:	32.95593
Longitude:	-117.048121
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39778
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Christian A. and Verna L. Young
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-

317-472-06 (Continued) **1016347217**

IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-

317-472-06 (Continued) **1016347217**

No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	D.G. Behrens Pool Construction - Facility observed to consist of one building and parking areas. Facility observed to be construction office.
Below Poverty Number:	186
Below Poverty Percent:	4.21
Meidan Income:	5816
Meidan Income Number:	784
Meidan Income Percent:	17.73
Vacant Housing Number:	55
Vacant Housing Percent:	3.8
Unemployed Number:	163
Unemployed Percent:	3.69

FINDS:
Registry ID: 110038719072

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Environmental Interest/Information System:
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Y148 **317-472-24** **US BROWNFIELDS** **1016347221**
ENE **13053 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.474 mi.
2505 ft. **Site 3 of 6 in cluster Y**

Relative:
Higher

Actual:
488 ft.

US BROWNFIELDS:

Name:	317-472-24
Address:	13053 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-24
Parcel size:	.3
Latitude:	32.956001
Longitude:	-117.047796
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39782
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	R. J. Lanthier Co., Inc.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

317-472-24 (Continued) **1016347221**

Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

317-472-24 (Continued) **1016347221**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Lanthier Building - Facility observed to consist of one building and parking areas. Facility observed to be office space and hospice.
Below Poverty Number:	203
Below Poverty Percent:	4.22
Meidan Income:	6375
Meidan Income Number:	902
Meidan Income Percent:	18.76
Vacant Housing Number:	55
Vacant Housing Percent:	3.53
Unemployed Number:	166
Unemployed Percent:	3.45

FINDS:
Registry ID: 110038719116

Click Here:

Environmental Interest/Information System:
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Y149 **317-101-02** **US BROWNFIELDS** **1016346586**
NE **13020 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.477 mi.
2516 ft. **Site 4 of 6 in cluster Y**

Relative:
Higher

Actual:
501 ft.

US BROWNFIELDS:

Name:	317-101-02
Address:	13020 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-101-02
Parcel size:	.88
Latitude:	32.956544
Longitude:	-117.047712
HCM Label:	-

317-101-02 (Continued) **1016346586**

Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39740
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Robert Shapiro
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N

317-101-02 (Continued) **1016346586**

Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

317-101-02 (Continued) **1016346586**

Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Salvation Army Thrift Store - Facility observed to consist of one building and parking areas.
Below Poverty Number:	183
Below Poverty Percent:	4.23
Meidan Income:	5276
Meidan Income Number:	765
Meidan Income Percent:	17.68
Vacant Housing Number:	49
Vacant Housing Percent:	3.47
Unemployed Number:	161
Unemployed Percent:	3.72

FINDS:
Registry ID: 110038710179

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Y150 **317-472-20** **US BROWNFIELDS** **1016347220**
ENE **13029 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.487 mi.
2569 ft. **Site 5 of 6 in cluster Y**

Relative: **Higher**
Actual: **491 ft.**

US BROWNFIELDS:

Name:	317-472-20
Address:	13029 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-20
Parcel size:	.23
Latitude:	32.956352
Longitude:	-117.047552
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39781
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-

317-472-20 (Continued) **1016347220**

Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	David E. and Lori L. Rauterkus
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N

317-472-20 (Continued) **1016347220**

VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Dentistry for All Ages - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be dental office.
Below Poverty Number:	206
Below Poverty Percent:	4.21
Meidan Income:	6866
Meidan Income Number:	919
Meidan Income Percent:	18.77
Vacant Housing Number:	60
Vacant Housing Percent:	3.77
Unemployed Number:	168
Unemployed Percent:	3.43

317-472-20 (Continued) **1016347220**

FINDS:
Registry ID: 110038719107

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Y151 **317-472-25** **US BROWNFIELDS** **1017488514**
ENE **13029+ POWAY ROAD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.487 mi.
2569 ft. **Site 6 of 6 in cluster Y**

Relative:
Higher

Actual:
491 ft.

US BROWNFIELDS:

Name:	317-472-25
Address:	13029+ POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-25
Parcel size:	.28
Latitude:	32.956368
Longitude:	-117.047529
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39783
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Avram and Dina Sacher 06-18-96
Did Owner Change:	-

317-472-25 (Continued) **1017488514**

Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-

317-472-25 (Continued) **1017488514**

Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Poway TV - Facility observed to consist of one building and parking areas. Facility observed to be television sales and repair business.
Below Poverty Number:	207
Below Poverty Percent:	4.2
Meidan Income:	7645
Meidan Income Number:	940
Meidan Income Percent:	19.07
Vacant Housing Number:	67
Vacant Housing Percent:	4.16
Unemployed Number:	167
Unemployed Percent:	3.39

---

152 **317-472-19** **US BROWNFIELDS** **1016347219**
ENE **13126 QUATE COURT** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.490 mi.
2586 ft.

Relative: US BROWNFIELDS:
Higher

Actual:
485 ft.

Name:	317-472-19
Address:	13126 QUATE COURT
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-472-19
Parcel size:	.73
Latitude:	32.955046
Longitude:	-117.047503

317-472-19 (Continued) **1016347219**

HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	39780
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	06/20/2006
Ownership Entity:	-
Completion Date:	06/20/2006
Current Owner:	Pudgil Family Trust
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-

317-472-19 (Continued) **1016347219**

Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-

317-472-19 (Continued) **1016347219**

Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Parking lot.
Below Poverty Number:	219
Below Poverty Percent:	4.17
Meidan Income:	11532
Meidan Income Number:	976
Meidan Income Percent:	18.59
Vacant Housing Number:	119
Vacant Housing Percent:	6.75
Unemployed Number:	180
Unemployed Percent:	3.43

FINDS:
Registry ID: 110038719090

Click Here:

Environmental Interest/Information System:
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153
ENE
1/2-1
0.575 mi.
3036 ft.

Relative: Higher

Actual: 483 ft.

QUIK CHEK
13123 POWAY RD
POWAY, CA 92064

LUST **U000030217**
SAN DIEGO CO. SAM **N/A**
CPS-SLIC
San Diego Co. HMMD
SWEEPS UST
Cortese
HIST CORTESE
Notify 65
SAN DIEGO CO LOP
CERS

LUST:

Name:	QUIK LUBE, INC
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 920644611
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300941
Global Id:	T0607300941
Latitude:	32.9563727
Longitude:	-117.0454258
Status:	Completed - Case Closed
Status Date:	01/31/2011
Case Worker:	NS
RB Case Number:	9UT2171
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H03459-002
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	On January 1, 1991, diesel fuel was reported to be seeping into the Rattlesnake Creek near the site. US-EPA was notified of the release

QUIK CHEK (Continued) **U000030217**

on April 15, 1993. The Federal On-Scene Coordinator for the EPA started an assessment investigation in the Rattlesnake Creek and in the soil and groundwater at the site and at three adjacent properties. Six USTs were removed and several soil borings and monitoring wells were installed. Cleanup activities included excavation/disposal of impacted soil, soil vapor extraction and groundwater pump and treat systems. On June 5, 1995 the US-EPA reported the case status as closed. In 2001 the City of Poway Redevelopment Services conducted due diligence during acquisition of the site and performed a Phase I and Phase II subsurface soil investigations. Assessment of soil and groundwater contamination initially included advancing seven borings in June 2001, followed by the installation of five soil borings and nine monitoring wells. Soil contamination has been defined and groundwater plume is delineated. Other investigation activities at the site included evaluation of the vertical hydraulic gradient between groundwater and surface water in the Rattlesnake Creek, design and building of a culvert for a section of the Rattlesnake Creek, conduct a soil gas survey targeted at the soil beneath the office building, prepare human health risk calculation (highest risk of 4.32E-08 for MTBE), evaluate migration potential of the contaminants, prepare a degradation rate model for the contaminants of concern, and prepare a Corrective Action Plan. Total residual impacted soil was calculated to be 8,167 cubic yards with maximum gasoline concentration of 622 mg/kg and diesel of 347 mg/kg. The consultants conclude in their final report dated April 2, 2010, that dissolved TPH gasoline and diesel are non detect in all the monitoring wells. Dissolved benzene is detected only in one monitoring well at low concentration, dissolved MTBE ranges from non detect to low concentration, and overall migration of the dissolved plume is stable. They further conclude that the groundwater quality objectives will be met for MTBE within three to eleven years and for benzene within 44 years. The consultants propose natural attenuation as the cost effective option for corrective action at the site and recommend closure of the case. DEH concurs with this recommendation.

LUST:

Global Id:	T0607300941
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607300941
Action Type:	ENFORCEMENT
Date:	11/04/2009
Action:	Letter - Notice
Global Id:	T0607300941
Action Type:	ENFORCEMENT
Date:	10/26/2009
Action:	Letter - Notice
Global Id:	T0607300941

QUIK CHEK (Continued) **U000030217**

Action Type: ENFORCEMENT
Date: 10/26/2010
Action: Staff Letter

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 05/28/2010
Action: File review

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 01/28/2011
Action: Closure/No Further Action Letter

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 09/22/2010
Action: Letter - Notice

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 08/03/2010
Action: Letter - Notice

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 10/26/2010
Action: Closure/No Further Action Letter

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/20/1992
Action: * Historical Enforcement

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Began

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Discovery

Global Id: T0607300941
Action Type: Other
Date: 09/15/1992
Action: Leak Stopped

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Reported

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/11/2002

QUIK CHEK (Continued) **U000030217**

Action: Notice of Responsibility

Global Id: T0607300941
Action Type: RESPONSE
Date: 05/15/2009
Action: Correspondence

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 11/20/2008
Action: Referral to Other State Agency

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 06/03/2009
Action: Technical Correspondence / Assistance / Other - #06/03/2009

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

LUST:
Global Id: T0607300941
Status: Open - Case Begin Date
Status Date: 12/20/1991

Global Id: T0607300941
Status: Open - Verification Monitoring
Status Date: 07/11/2003

Global Id: T0607300941
Status: Completed - Case Closed
Status Date: 01/31/2011

SAN DIEGO CO. SAM:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Case Number: H03459-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 1/29/1992
Date Began: 1/3/1991

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Case Number: H03459-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Post Remedial Monitoring

QUIK CHEK (Continued) **U000030217**

Date: 7/11/2003
Date Began: 12/20/1991

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064-4611
Case Number: H03459-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 3/9/2007
Date Began: Not reported

CPS-SLIC:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/29/1992
Global Id: T0608119550
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03459-001
Latitude: 32.956135
Longitude: -117.046636
Case Type: Cleanup Program Site
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064-461
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/04/2012
Global Id: SLT19703885
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03459-003
Latitude: 32.956135
Longitude: -117.046636
Case Type: Cleanup Program Site
Case Worker: NS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Alcohols, Diesel, Gasoline
Site History: Please refer to "Site Maps/Documents" tab for closure letter

QUIK CHEK (Continued) **U000030217**

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	QUIK LUBE, INC
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103459
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	317-472-12-00
Last HMMD Inspection:	01/03/1995
Facility Telephone:	858-486-3550
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	EUGENE CHANDLER
Facility Mailing Address:	13123 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4611
UST Owner:	EUGENE W CHANDLER
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103459 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	75R
Capacity Gallons:	7500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	75P
Capacity Gallons:	7500
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00

QUIK CHEK (Continued) **U000030217**

Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	10D
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	8NL
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	10R
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

QUIK CHEK (Continued) **U000030217**

UST Name:	UNDERGROUND TANK 103459 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	3NL
Capacity Gallons:	3000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:

Name:	QUIK CHEK
Address:	13123 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3459
Number:	9
Board Of Equalization:	44-021867
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003459-000001
Tank Status:	A
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	6

Name:	QUIK CHEK
Address:	13123 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3459
Number:	9
Board Of Equalization:	44-021867
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003459-000002
Tank Status:	A
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED

QUIK CHEK (Continued) **U000030217**

Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000004
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported

QUIK CHEK (Continued) **U000030217**

Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000006
Tank Status: A
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CORTESE:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300941
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: QUIK CHEK GAS
edr_fadd1: 13123 POWAY
City,State,Zip: POWAY, CA 92064
Region: CORTESE

QUIK CHEK (Continued) **U000030217**

Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2171

NOTIFY 65:
Name: QUIK CHEK GAS
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

SAN DIEGO CO LOP:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1991-LSAM-H03459-002
Record Status: Completed
Opened Date: 12/20/1991
Parcel Number: 317-472-12-00
Case Type: LOP - Local Oversight Program
Historical Name: QUIK CHEK GAS STATION
SWRCB Global ID: T0607300941
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 12/20/1991
Census Tract: 170.48
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9561971
Longitude: -117.0466262
X MapCoord: 6317301.770
Y MapCoord: 1928600.562

CERS:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Site ID: 208281
CERS ID: T0608119550
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261

QUIK CHEK (Continued) **U000030217**

Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Site ID: 208281
CERS ID: T0607300941
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064-461
Site ID: 221365
CERS ID: SLT19703885
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261

QUIK CHEK (Continued) **U000030217**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
POWAY	S105155594	POWAY LANDFILL	14900 BLK. POWAY ROAD @ ESPOLA		SWF/LF
POWAY	S112872869	HIGHWAY OAK	9900 HIGHWAY OAK DR	92064	HAZNET, HWTS
POWAY	S121660045	OAK KNOLL TRUNK SEWER REPLACEMENT	OAK KNOLL DR POMERADO RD SEILE	92064	CIWQS
POWAY	S124730716	OAK CREEK APTS.	12455 OAK KNOLL RD.	92064	HWTS
POWAY	S117708195	POWAY RD & OAK KNOLL RD	POWAY RD & OAK KNOLL ROAD	92064	NPDES, CIWQS
SAN DIEGO	S114628815	GREEN OAK RANCH	1237 GREEN OAK RD		RGA LUST
SAN DIEGO COUNTY	S117706504	OAK CREEK RD	OAK CREEK ROAD		CIWQS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/22/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/09/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/16/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/05/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/10/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/09/2021
Number of Days to Update: 82

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/09/2021
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/07/2021
Number of Days to Update: 79

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/17/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 80

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 03/11/2021
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/21/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/08/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 77
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 12/03/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/06/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 71

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/28/2020
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/22/2021
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/24/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OAK KNOLL
12624 OAK KNOLL ROAD
POWAY, CA 92064

TARGET PROPERTY COORDINATES

Latitude (North):	32.952051 - 32° 57' 7.38''
Longitude (West):	117.056474 - 117° 3' 23.31''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	494721.5
UTM Y (Meters):	3645781.8
Elevation:	467 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5622836 POWAY, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

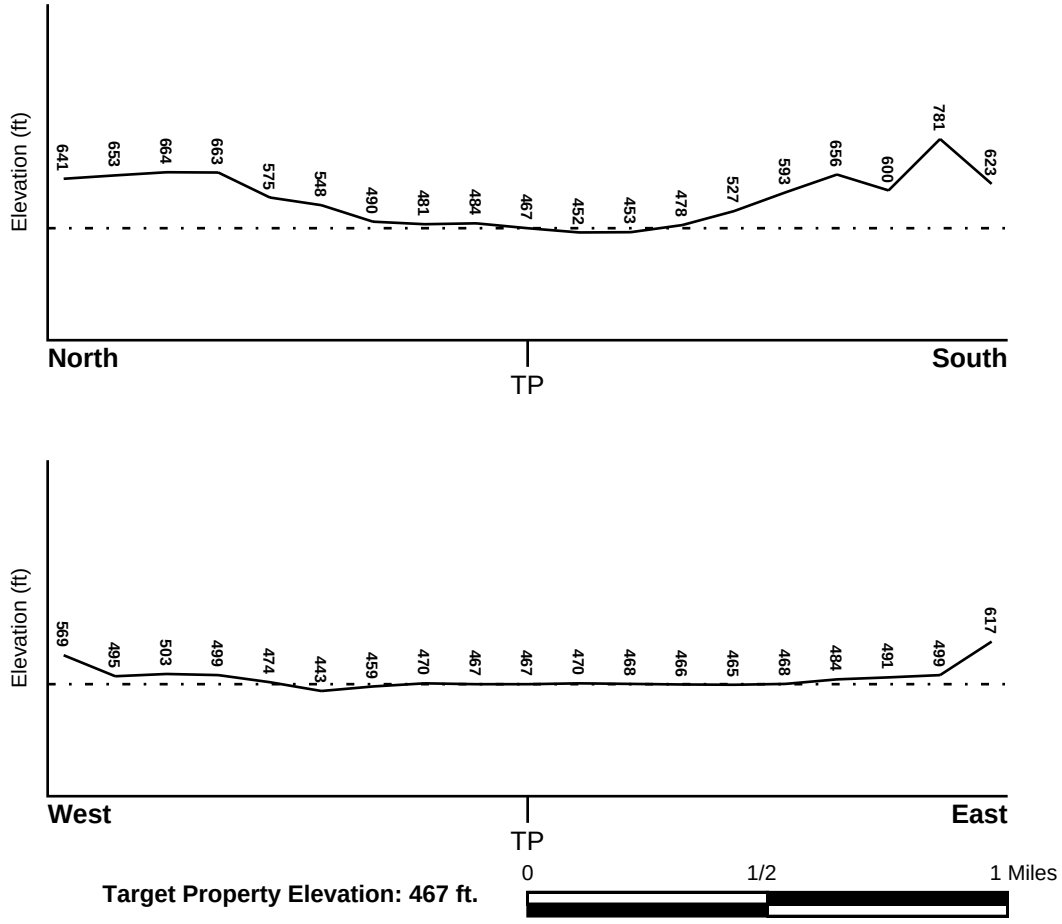
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1358G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1354G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POWAY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
I99	1/2 - 1 Mile ENE	S
1G	1/2 - 1 Mile ENE	S

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

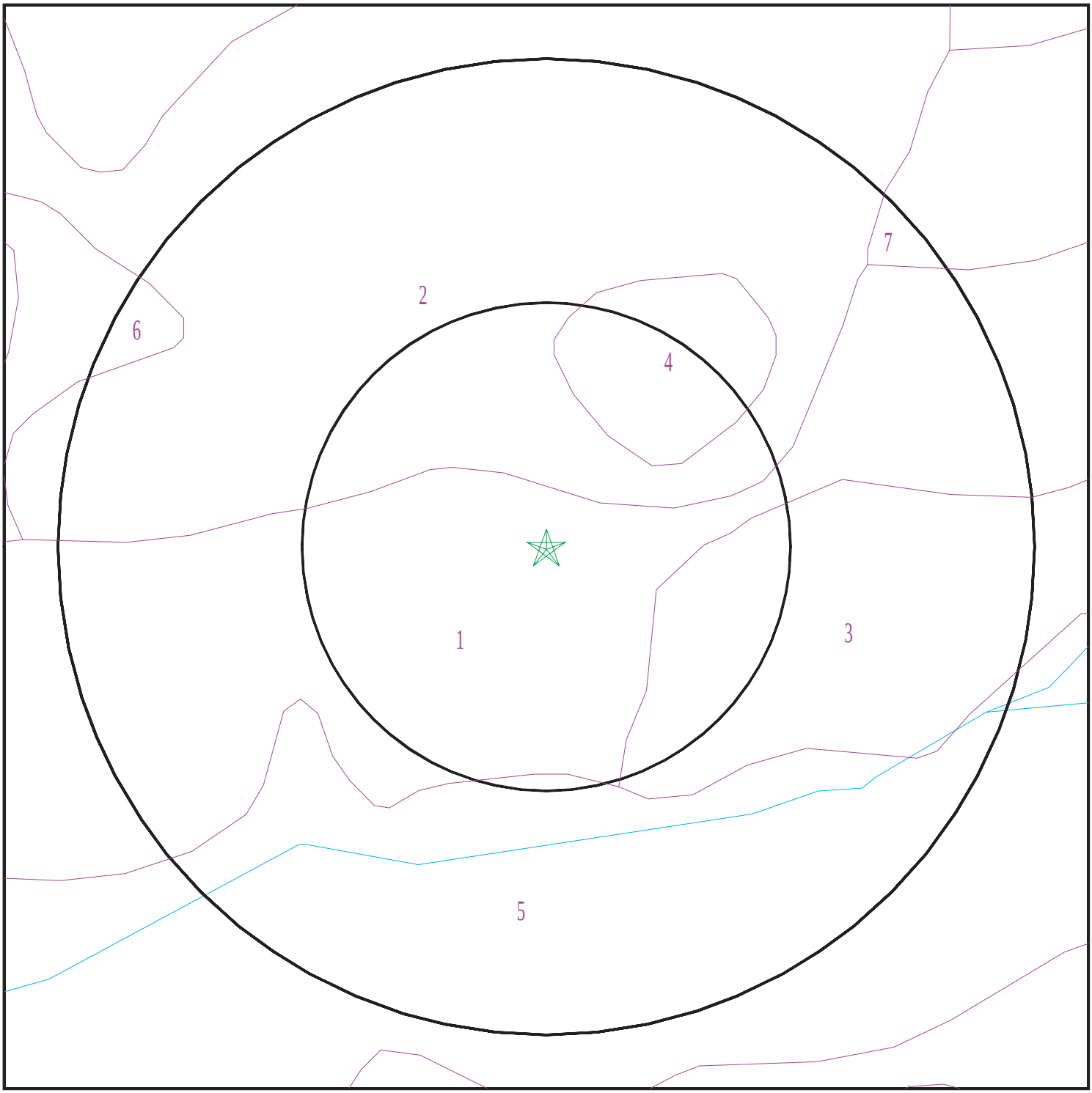
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Tec *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6505044.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Oak Knoll	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12624 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
LAT/LONG:	32.952051 / 117.056474	INQUIRY #:	6505044.2s
		DATE:	May 21, 2021 3:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	12 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: OLIVENHAIN

Soil Surface Texture: cobbly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
2	9 inches	42 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
3	42 inches	59 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 3

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: CIENEBA

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 5 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:
2	7 inches	11 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	40 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
3	40 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: FALLBROOK

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	11 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
4	27 inches	46 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
5	46 inches	51 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 7

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
2	16 inches	59 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	59 inches	74 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B17	USGS40000130054	1/4 - 1/2 Mile WSW
G85	USGS40000130073	1/4 - 1/2 Mile WNW
H86	USGS40000130086	1/4 - 1/2 Mile NW
I111	USGS40000130085	1/2 - 1 Mile ENE
K124	USGS40000130074	1/2 - 1 Mile ENE
N128	USGS40000130051	1/2 - 1 Mile WSW
P139	USGS40000130055	1/2 - 1 Mile West
143	USGS40000130060	1/2 - 1 Mile East
Q150	USGS40000130083	1/2 - 1 Mile ENE
S152	USGS40000130045	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000035832	1/8 - 1/4 Mile West
A2	CAEDF0000014419	1/8 - 1/4 Mile West
A3	CAEDF0000085764	1/8 - 1/4 Mile West
B4	CAEDF0000048478	1/8 - 1/4 Mile SW
B5	CAEDF0000124108	1/8 - 1/4 Mile SW
B6	CAEDF0000034997	1/8 - 1/4 Mile SW
B7	CAEDF0000131312	1/8 - 1/4 Mile SW
B8	CAEDF0000018870	1/8 - 1/4 Mile SW
A9	CAEDF0000005730	1/4 - 1/2 Mile West
C10	CAEDF0000019764	1/4 - 1/2 Mile NE
C11	CAEDF0000118979	1/4 - 1/2 Mile NE
A12	CAEDF0000130578	1/4 - 1/2 Mile West
C13	CAEDF0000066401	1/4 - 1/2 Mile NNE
A14	CAEDF0000057839	1/4 - 1/2 Mile West
C15	CAEDF0000081066	1/4 - 1/2 Mile NNE
C16	CAEDF0000129916	1/4 - 1/2 Mile NNE
C18	CAEDF0000119816	1/4 - 1/2 Mile NNE
C19	CAEDF0000138923	1/4 - 1/2 Mile NNE
C20	CAEDF0000070075	1/4 - 1/2 Mile NNE
C21	CAEDF0000132043	1/4 - 1/2 Mile NNE
C22	CAEDF0000075839	1/4 - 1/2 Mile NE
D23	CAEDF0000117475	1/4 - 1/2 Mile West
C24	CAEDF0000067298	1/4 - 1/2 Mile NNE
C25	CAEDF0000020967	1/4 - 1/2 Mile NNE
C26	CAEDF0000057845	1/4 - 1/2 Mile NNE
C27	CAEDF0000093965	1/4 - 1/2 Mile NNE
C28	CAEDF0000072073	1/4 - 1/2 Mile NNE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C29	CAEDF0000097301	1/4 - 1/2 Mile NNE
C30	CAEDF0000061681	1/4 - 1/2 Mile NNE
C31	CAEDF0000003483	1/4 - 1/2 Mile NNE
C32	CAEDF0000089951	1/4 - 1/2 Mile NNE
D33	CAEDF0000079051	1/4 - 1/2 Mile West
C34	CAEDF0000112491	1/4 - 1/2 Mile NNE
C35	CAEDF0000052284	1/4 - 1/2 Mile NNE
D36	CAEDF0000086628	1/4 - 1/2 Mile West
C37	CAEDF0000111246	1/4 - 1/2 Mile NE
C38	CAEDF0000056721	1/4 - 1/2 Mile NNE
C39	CAEDF0000033230	1/4 - 1/2 Mile NNE
C40	CAEDF0000104456	1/4 - 1/2 Mile NE
C41	CAEDF0000076214	1/4 - 1/2 Mile NNE
D42	CAEDF0000091270	1/4 - 1/2 Mile West
D43	CAEDF0000047257	1/4 - 1/2 Mile West
C44	CAEDF0000112540	1/4 - 1/2 Mile NNE
D45	CAEDF0000037291	1/4 - 1/2 Mile West
D46	CAEDF0000075338	1/4 - 1/2 Mile West
D47	CAEDF0000034552	1/4 - 1/2 Mile West
D48	CAEDF0000133997	1/4 - 1/2 Mile West
49	CAEDF0000037738	1/4 - 1/2 Mile NNE
E50	CADWR8000000724	1/4 - 1/2 Mile WSW
D51	CAEDF0000137248	1/4 - 1/2 Mile West
D52	CAEDF0000141527	1/4 - 1/2 Mile West
D53	CAEDF0000128262	1/4 - 1/2 Mile West
D54	CAEDF0000033905	1/4 - 1/2 Mile West
D55	CAEDF0000074343	1/4 - 1/2 Mile West
D56	CAEDF0000137344	1/4 - 1/2 Mile West
D57	CAEDF0000065891	1/4 - 1/2 Mile West
E58	CAEDF0000113300	1/4 - 1/2 Mile WSW
D59	CAEDF0000037287	1/4 - 1/2 Mile West
D60	CAEDF0000071433	1/4 - 1/2 Mile West
E61	CAEDF0000082225	1/4 - 1/2 Mile WSW
E62	CAEDF0000110676	1/4 - 1/2 Mile WSW
D63	CAEDF0000040961	1/4 - 1/2 Mile West
D64	CAEDF0000042095	1/4 - 1/2 Mile West
F65	CAEDF0000042257	1/4 - 1/2 Mile West
F66	CAEDF0000131247	1/4 - 1/2 Mile West
F67	CAEDF0000015569	1/4 - 1/2 Mile West
E68	CAEDF0000008250	1/4 - 1/2 Mile WSW
E69	CAEDF0000072813	1/4 - 1/2 Mile WSW
F70	CAEDF0000129935	1/4 - 1/2 Mile West
F71	CAEDF0000070425	1/4 - 1/2 Mile West
F72	CAEDF0000067507	1/4 - 1/2 Mile West
E73	CAEDF0000105518	1/4 - 1/2 Mile WSW
F74	CAEDF0000126056	1/4 - 1/2 Mile West
E75	CAEDF0000036325	1/4 - 1/2 Mile WSW
F76	CAEDF0000121684	1/4 - 1/2 Mile West
F77	CAEDF0000120816	1/4 - 1/2 Mile West
E78	CAEDF0000122925	1/4 - 1/2 Mile WSW
E79	CAEDF0000032511	1/4 - 1/2 Mile WSW
E80	CAEDF0000127839	1/4 - 1/2 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

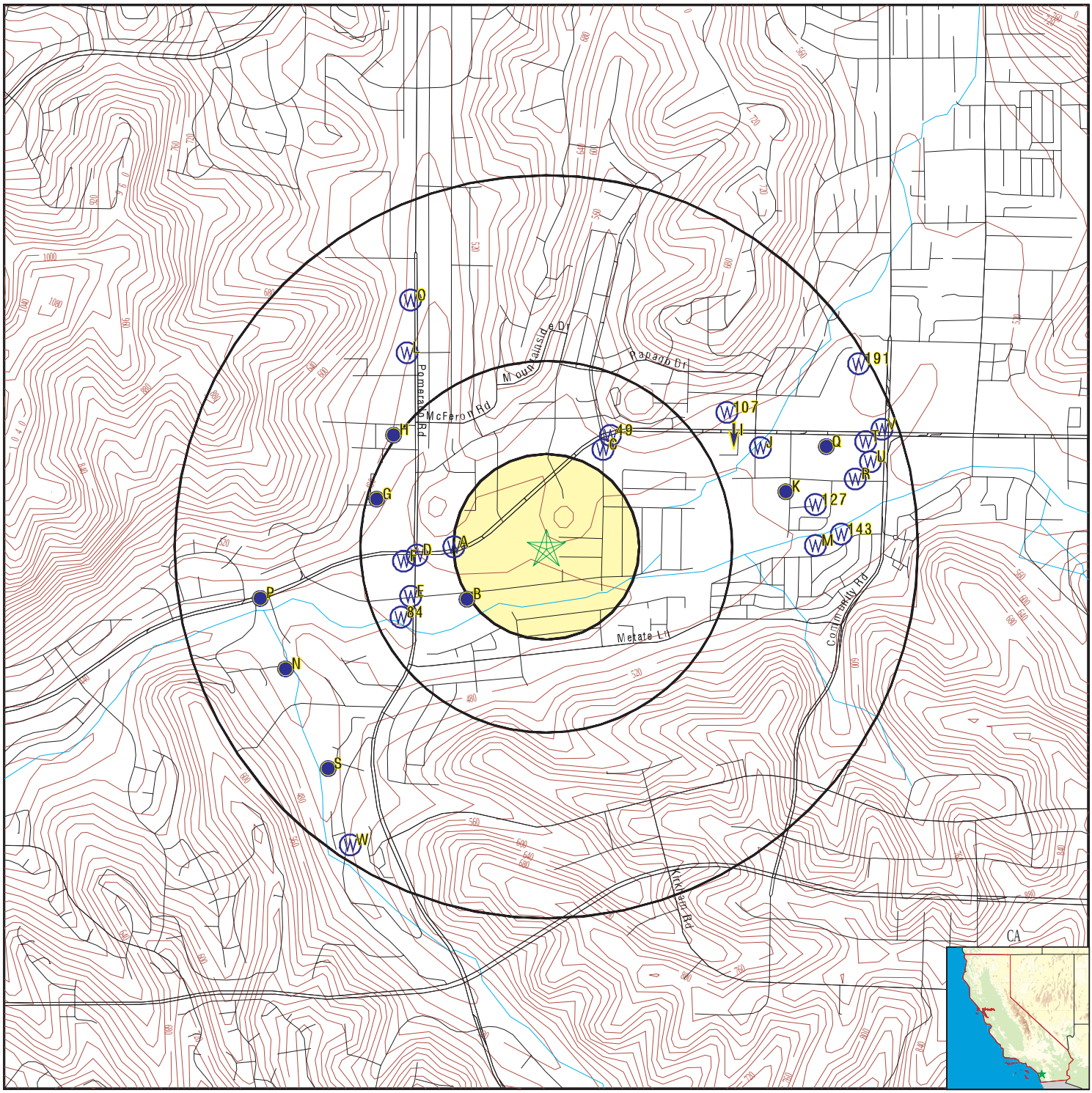
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E81	CAEDF0000075041	1/4 - 1/2 Mile WSW
E82	CAEDF0000087159	1/4 - 1/2 Mile WSW
E83	CAEDF0000099589	1/4 - 1/2 Mile WSW
84	CAEDF0000113033	1/4 - 1/2 Mile WSW
G87	CADWR8000000736	1/2 - 1 Mile WNW
H88	CADWR8000000746	1/2 - 1 Mile NW
I89	CAEDF0000095108	1/2 - 1 Mile ENE
I90	CAEDF0000022418	1/2 - 1 Mile ENE
I91	CAEDF0000086197	1/2 - 1 Mile ENE
I92	CAEDF0000033784	1/2 - 1 Mile NE
I93	CADWR8000000745	1/2 - 1 Mile ENE
I94	CAEDF0000137264	1/2 - 1 Mile ENE
I95	CAEDF0000103267	1/2 - 1 Mile ENE
I96	CAEDF0000128979	1/2 - 1 Mile ENE
I97	CAEDF0000141404	1/2 - 1 Mile ENE
I98	CAEDF0000126488	1/2 - 1 Mile NE
I100	CAEDF0000108439	1/2 - 1 Mile ENE
I101	CAEDF0000094549	1/2 - 1 Mile ENE
I102	CAEDF0000084612	1/2 - 1 Mile ENE
I103	CAEDF0000070163	1/2 - 1 Mile ENE
I104	CAEDF0000074676	1/2 - 1 Mile NE
I105	CAEDF0000037092	1/2 - 1 Mile ENE
J106	CAEDF0000118933	1/2 - 1 Mile ENE
107	CAEDF0000135778	1/2 - 1 Mile NE
I108	CAEDF0000131016	1/2 - 1 Mile ENE
I109	CAEDF0000084826	1/2 - 1 Mile ENE
I110	CAEDF0000057196	1/2 - 1 Mile ENE
I112	CAEDF0000114173	1/2 - 1 Mile ENE
K113	CADWR8000000737	1/2 - 1 Mile ENE
L114	CAEDF0000058321	1/2 - 1 Mile NW
L115	CAEDF0000048328	1/2 - 1 Mile NW
J116	CAEDF0000000045	1/2 - 1 Mile ENE
L117	CAEDF0000112781	1/2 - 1 Mile NW
L118	CAEDF0000001595	1/2 - 1 Mile NW
L119	CAEDF0000082537	1/2 - 1 Mile NW
L120	CAEDF0000134540	1/2 - 1 Mile NW
J121	CAEDF0000034512	1/2 - 1 Mile ENE
L122	CAEDF0000037477	1/2 - 1 Mile NW
J123	CAEDF0000102045	1/2 - 1 Mile ENE
M125	CADWR0000015997	1/2 - 1 Mile East
M126	CADWR8000000727	1/2 - 1 Mile East
127	CAEDF0000107738	1/2 - 1 Mile East
O129	CAEDF0000125139	1/2 - 1 Mile NNW
O130	CAEDF0000117802	1/2 - 1 Mile NNW
O131	CAEDF0000052186	1/2 - 1 Mile NNW
O132	CAEDF0000122536	1/2 - 1 Mile NNW
O133	CAEDF0000054058	1/2 - 1 Mile NNW
O134	CAEDF0000078909	1/2 - 1 Mile NNW
O135	CAEDF0000137587	1/2 - 1 Mile NNW
O136	CAEDF0000024187	1/2 - 1 Mile NNW
P137	CAUSGSN00014926	1/2 - 1 Mile West
O138	CAEDF0000018210	1/2 - 1 Mile NNW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q140	CAEDF0000014867	1/2 - 1 Mile ENE
Q141	CADWR8000000744	1/2 - 1 Mile ENE
Q142	CAEDF0000085193	1/2 - 1 Mile ENE
P144	CADWR8000000725	1/2 - 1 Mile West
N145	CADWR8000000722	1/2 - 1 Mile WSW
P146	CADWR0000028624	1/2 - 1 Mile West
Q147	CAEDF0000136489	1/2 - 1 Mile ENE
Q148	CAEDF0000046973	1/2 - 1 Mile ENE
R149	CAEDF0000103292	1/2 - 1 Mile ENE
Q151	CAEDF0000065619	1/2 - 1 Mile ENE
Q153	CAEDF0000058627	1/2 - 1 Mile ENE
R154	CAEDF0000116772	1/2 - 1 Mile East
S155	CADWR8000000718	1/2 - 1 Mile SW
R156	CAEDF0000073008	1/2 - 1 Mile ENE
T157	CAEDF0000141018	1/2 - 1 Mile ENE
R158	CAEDF0000064241	1/2 - 1 Mile ENE
R159	CAEDF0000065067	1/2 - 1 Mile ENE
T160	CAEDF0000142038	1/2 - 1 Mile ENE
T161	CAEDF0000033381	1/2 - 1 Mile ENE
U162	CAEDF0000081109	1/2 - 1 Mile ENE
U163	CAEDF0000072696	1/2 - 1 Mile ENE
T164	CAEDF0000102756	1/2 - 1 Mile ENE
T165	CAEDF0000089258	1/2 - 1 Mile ENE
T166	CAEDF0000069748	1/2 - 1 Mile ENE
T167	CAEDF0000020056	1/2 - 1 Mile ENE
T168	CAEDF0000001816	1/2 - 1 Mile ENE
T169	CAEDF0000127626	1/2 - 1 Mile ENE
T170	CAEDF0000067265	1/2 - 1 Mile ENE
T171	CAEDF0000050651	1/2 - 1 Mile ENE
T172	CAEDF0000022895	1/2 - 1 Mile ENE
U173	CAEDF0000044607	1/2 - 1 Mile ENE
T174	CAEDF0000083029	1/2 - 1 Mile ENE
T175	CAEDF0000066005	1/2 - 1 Mile ENE
T176	CAEDF0000143432	1/2 - 1 Mile ENE
U177	CAEDF0000095030	1/2 - 1 Mile ENE
T178	CAEDF0000054867	1/2 - 1 Mile ENE
T179	CAEDF0000135520	1/2 - 1 Mile ENE
T180	CAEDF0000023437	1/2 - 1 Mile ENE
T181	CAEDF0000046641	1/2 - 1 Mile ENE
V182	CAEDF0000037436	1/2 - 1 Mile ENE
V183	CAEDF0000074446	1/2 - 1 Mile ENE
W184	CAEDF0000051620	1/2 - 1 Mile SSW
W185	CAEDF0000007825	1/2 - 1 Mile SSW
V186	CAEDF0000088054	1/2 - 1 Mile ENE
W187	CAEDF0000018403	1/2 - 1 Mile SSW
W188	CAEDF0000015747	1/2 - 1 Mile SSW
V189	CAEDF0000009924	1/2 - 1 Mile ENE
V190	CAEDF0000081715	1/2 - 1 Mile ENE
191	CADWR8000000754	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 6505044.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Oak Knoll	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12624 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
LAT/LONG:	32.952051 / 117.056474	INQUIRY #:	6505044.2s
		DATE:	May 21, 2021 3:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000035832**

Well ID:	T0607302601-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-4		

A2
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000014419**

Well ID:	T0607302601-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-12		

A3
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000085764**

Well ID:	T0607302601-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-7		

B4
SW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000048478**

Well ID:	T0607302601-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B5
SW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000124108**

Well ID:	T0607302601-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-1		

B6
SW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000034997**

Well ID:	T0607302601-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-3		

B7
SW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000131312**

Well ID:	T0607302601-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-6		

B8
SW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000018870**

Well ID:	T0607302601-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A9
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000005730**

Well ID:	T0607302601-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-9		

C10
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000019764**

Well ID:	T0607300943-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-24		

C11
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000118979**

Well ID:	T0607300943-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-22		

A12
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000130578**

Well ID:	T0607302601-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C13
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000066401**

Well ID:	T0607300943-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-23		

A14
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000057839**

Well ID:	T0607302601-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-10		

C15
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000081066**

Well ID:	T0607300943-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-21		

C16
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000129916**

Well ID:	T0607300943-MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-25		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B17
WSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000130054**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14P001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	59	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	15.00	Feet to sea level:	Not Reported
Note:	Not Reported		

C18
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000119816**

Well ID:	T0607300943-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-19		

C19
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000138923**

Well ID:	T0607300943-CR-5	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-5		

C20
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000070075**

Well ID:	T0607300943-CR-4	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-4
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-4

C21
NNE **CA WELLS** **CAEDF0000132043**
1/4 - 1/2 Mile
Higher

Well ID:	T0607300943-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-20

C22
NE **CA WELLS** **CAEDF0000075839**
1/4 - 1/2 Mile
Higher

Well ID:	T0607300943-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-18&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-18

D23
West **CA WELLS** **CAEDF0000117475**
1/4 - 1/2 Mile
Lower

Well ID:	T0607302601-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-11

C24
NNE **CA WELLS** **CAEDF0000067298**
1/4 - 1/2 Mile
Higher

Well ID:	T0607300943-MW-14B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14B
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-14B&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-14B

C25
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000020967**

Well ID:	T0607300943-MW-14A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-14A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-14A		

C26
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000057845**

Well ID:	T0607300943-CR-3	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-3		

C27
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000093965**

Well ID:	T0607300943-MW-13A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-13A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-13A		

C28
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072073**

Well ID:	T0607300943-MW-13B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-13B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-13B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C29
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000097301**

Well ID:	T0607300943-CR-2	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-2		

C30
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000061681**

Well ID:	T0607300943-MW-12A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-12A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-12A		

C31
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000003483**

Well ID:	T0607300943-MW-12B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-12B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-12B		

C32
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000089951**

Well ID:	T0607300943-CR-6	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D33
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000079051**

Well ID:	T0607301492-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-1		

C34
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112491**

Well ID:	T0607300943-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-15		

C35
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000052284**

Well ID:	T0607300943-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-5		

D36
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000086628**

Well ID:	T0607301492-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C37
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000111246**

Well ID:	T0607300943-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-16		

C38
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000056721**

Well ID:	T0607300943-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-3		

C39
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000033230**

Well ID:	T0607300943-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-1		

C40
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104456**

Well ID:	T0607300943-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-17		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C41
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000076214**

Well ID:	T0607300943-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-2		

D42
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000091270**

Well ID:	T0607301492-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-2		

D43
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000047257**

Well ID:	T0607301492-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-3		

C44
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112540**

Well ID:	T0607300943-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D45
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000037291**

Well ID:	T0607300295-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-16		

D46
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000075338**

Well ID:	T0607300295-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-15		

D47
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000034552**

Well ID:	T0607301492-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-5		

D48
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000133997**

Well ID:	T0607301492-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

49
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000037738**

Well ID:	T0607300943-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-6		

E50
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000000724**

State Well #:	14S02W14P001S	Station ID:	15568
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

D51
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000137248**

Well ID:	T0607300295-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-7		

D52
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000141527**

Well ID:	T0607300295-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D53
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000128262**

Well ID:	T0607300295-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-5		

D54
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000033905**

Well ID:	T0607302452-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-3		

D55
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000074343**

Well ID:	T0607302452-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-5		

D56
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000137344**

Well ID:	T0607300295-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D57
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000065891**

Well ID:	T0607300295-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-2		

E58
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000113300**

Well ID:	T0607399211-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-6		

D59
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000037287**

Well ID:	T0607300295-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-17		

D60
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000071433**

Well ID:	T0607300295-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-10		

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E61
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000082225**

Well ID:	T0607399211-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-5		

E62
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000110676**

Well ID:	T0607300295-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-14		

D63
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000040961**

Well ID:	T0607300295-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-4		

D64
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000042095**

Well ID:	T0607300295-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F65
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000042257**

Well ID:	T0607302452-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-2		

F66
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000131247**

Well ID:	T0607300295-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-18		

F67
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000015569**

Well ID:	T0607300295-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-6		

E68
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000008250**

Well ID:	T0607399211-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E69
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000072813**

Well ID:	T0607399211-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-3		

F70
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000129935**

Well ID:	T0607300295-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-13		

F71
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000070425**

Well ID:	T0607302452-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-4		

F72
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000067507**

Well ID:	T0607300295-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E73
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000105518**

Well ID:	T0607399211-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-1		

F74
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000126056**

Well ID:	T0607300295-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-11		

E75
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000036325**

Well ID:	T0607399211-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-4		

F76
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000121684**

Well ID:	T0607300295-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F77
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000120816**

Well ID:	T0607302452-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-6		

E78
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000122925**

Well ID:	T0607399211-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-2		

E79
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000032511**

Well ID:	T0607301557-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-5		

E80
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000127839**

Well ID:	T0607301557-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E81
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000075041**

Well ID:	T0607301557-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-4		

E82
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000087159**

Well ID:	T0607301557-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-3		

E83
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000099589**

Well ID:	T0607301557-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-2		

84
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000113033**

Well ID:	T0607301557-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-6		

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G85
WNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000130073**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14M002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	6.00	Feet to sea level:	Not Reported
Note:	Not Reported		

H86
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000130086**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14M001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	19.00	Feet to sea level:	Not Reported
Note:	Not Reported		

G87
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000736**

State Well #:	14S02W14M002S	Station ID:	32300
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Not Reported	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H88
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000746**

State Well #:	14S02W14M001S	Station ID:	15567
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Not Reported	Well Completion Rpt #:	Not Reported

I89
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095108**

Well ID:	T0607300884-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-8		

I90
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000022418**

Well ID:	T0607300884-HP-5	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-5		

I91
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086197**

Well ID:	T0607300941-MW17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW17		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I92
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033784**

Well ID:	T0607300884-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-5		

I93
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000745**

State Well #:	14S02W13M001S	Station ID:	15566
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

I94
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000137264**

Well ID:	T0607300941-MW16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW16		

I95
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103267**

Well ID:	T0607300884-HP-6	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I96
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128979**

Well ID:	T0607300884-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-3		

I97
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141404**

Well ID:	T0607300884-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-5		

I98
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126488**

Well ID:	T0607300884-HP-8	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-8		

I99
ENE
1/2 - 1 Mile
Higher

AQUIFLOW **34198**

Site ID:	Not Reported
Groundwater Flow:	S
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	16
Date:	06/07/1993

I100
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108439**

Well ID:	T0607300884-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-2

I101
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000094549**

Well ID: T0607300884-W-4 Well Type: MONITORING
Source: EDF Other Name: W-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-4

I102
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084612**

Well ID: T0607300884-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-7

I103
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000070163**

Well ID: T0607300884-HP-3 Well Type: MONITORING
Source: EDF Other Name: HP-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-3

I104
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074676**

Well ID: T0607300884-W-1 Well Type: MONITORING
Source: EDF Other Name: W-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-1&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-1

I105
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037092**

Well ID: T0607300941-MW14
Well Type: MONITORING
Source: EDF
Other Name: MW14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW14

J106
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000118933**

Well ID: T0607300941-MW15
Well Type: MONITORING
Source: EDF
Other Name: MW15
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW15

107
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135778**

Well ID: T0607300884-MW-6
Well Type: MONITORING
Source: EDF
Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-6

I108
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131016**

Well ID: T0607300884-HP-2
Well Type: MONITORING
Source: EDF
Other Name: HP-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-2

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I109
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084826**

Well ID:	T0607300884-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-4		

I110
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000057196**

Well ID:	T0607300941-MW12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW12		

I111
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000130085**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13M001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

I112
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114173**

Well ID:	T0607300941-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW13

K113
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000737**

State Well #:	14S02W13L002S	Station ID:	32298
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

L114
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058321**

Well ID:	T06019785139-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW5

L115
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000048328**

Well ID:	T06019785139-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW7

J116
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000045**

Well ID:	T0607300941-MW11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW11
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW11

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L117
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112781**

Well ID:	T06019785139-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW6		

L118
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000001595**

Well ID:	T06019785139-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW2		

L119
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082537**

Well ID:	T06019785139-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW1		

L120
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134540**

Well ID:	T06019785139-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J121
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034512**

Well ID:	T0607300941-MW10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW10		

L122
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037477**

Well ID:	T06019785139-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW4		

J123
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102045**

Well ID:	T0607300941-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW1		

K124
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000130074**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13L002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	52	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	16.00	Feet to sea level:	Not Reported
Note:	Not Reported		

M125
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000015997**

Well ID:	14S02W13L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	14S02W13L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=14S02W13L001S&store_num=		
GeoTracker Data:	Not Reported		

M126
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000727**

State Well #:	14S02W13P001S	Station ID:	32299
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

127
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107738**

Well ID:	T0607303209-MW-27	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-27
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-27&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-27		

N128
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000130051**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W22A002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	180	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	18.00	Feet to sea level:	Not Reported
Note:	Not Reported		

O129
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125139**

Well ID:	T0607302485-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-1		

O130
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117802**

Well ID:	T0607302485-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-9		

O131
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000052186**

Well ID:	T0607302485-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-6		

O132
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122536**

Well ID:	T0607302485-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O133
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000054058**

Well ID:	T0607302485-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-8		

O134
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000078909**

Well ID:	T0607302485-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-2		

O135
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000137587**

Well ID:	T0607302485-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-5		

O136
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000024187**

Well ID:	T0607302485-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P137
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00014926**

Well ID:	USGS-325700117040701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-325700117040701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-325700117040701&store_num=		
GeoTracker Data:	Not Reported		

O138
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018210**

Well ID:	T0607302485-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-4		

P139
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000130055**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W15R001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	39	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	16.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Q140
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014867**

Well ID:	T10000003618-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW4&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW4

Q141
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000744**

State Well #:	14S02W13L003S	Station ID:	15565
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

Q142
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000085193**

Well ID:	T10000003618-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW3		

143
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000130060**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13P001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

P144
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000000725**

State Well #:	14S02W15R001S	Station ID:	15569
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0

Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

N145
WSW **CA WELLS** **CADWR8000000722**
1/2 - 1 Mile
Lower

State Well #:	14S02W22A002S	Station ID:	39641
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

P146
West **CA WELLS** **CADWR0000028624**
1/2 - 1 Mile
Lower

Well ID:	14S02W15R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	14S02W15R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=14S02W15R001S&store_num=		
GeoTracker Data:	Not Reported		

Q147
ENE **CA WELLS** **CAEDF0000136489**
1/2 - 1 Mile
Higher

Well ID:	T10000003618-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW1		

Q148
ENE **CA WELLS** **CAEDF0000046973**
1/2 - 1 Mile
Higher

Well ID:	T10000003618-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R149
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103292**

Well ID:	T0607303209-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-24		

Q150
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000130083**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13L003S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Q151
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065619**

Well ID:	T0607302655-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-13		

S152
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000130045**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W23E001S	Type:	Well

Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	43.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Q153
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058627**

Well ID:	T0607302655-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-12		

R154
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116772**

Well ID:	T0607303209-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-21		

S155
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000000718**

State Well #:	14S02W23E001S	Station ID:	15573
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Not Reported	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R156
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073008**

Well ID:	T0607303209-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-19		

T157
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141018**

Well ID:	T0607302655-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-11		

R158
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064241**

Well ID:	T0607303209-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-20		

R159
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065067**

Well ID:	T0607303209-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-18		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T160
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142038**

Well ID:	T0607303209-AGW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-8		

T161
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033381**

Well ID:	T0607303209-AGW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-7		

U162
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081109**

Well ID:	T0607303209-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-17		

U163
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072696**

Well ID:	T0607303209-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-22		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T164
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102756**

Well ID:	T0607302655-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-7		

T165
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089258**

Well ID:	T0607303209-AGW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-9		

T166
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069748**

Well ID:	T0607303209-AGW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-5		

T167
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000020056**

Well ID:	T0607303209-AGW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T168
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000001816**

Well ID:	T10000004703-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000004703&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000004703&assigned_name=MW-1		

T169
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127626**

Well ID:	T0607303209-AGW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-2		

T170
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067265**

Well ID:	T0607303209-AGW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-4		

T171
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000050651**

Well ID:	T0607303209-AGW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T172
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000022895**

Well ID:	T0607302655-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-8		

U173
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000044607**

Well ID:	T0607303209-AGW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-10		

T174
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083029**

Well ID:	T10000004703-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000004703&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000004703&assigned_name=MW-2		

T175
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066005**

Well ID:	T0607303209-AGW-13S	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-13S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-13S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-13S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T176
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143432**

Well ID:	T0607302655-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-9		

U177
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095030**

Well ID:	T0607303209-AGW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-3		

T178
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000054867**

Well ID:	T0607303209-AGW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-11		

T179
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135520**

Well ID:	T0607302655-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T180
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000023437**

Well ID:	T0607302655-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-2		

T181
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046641**

Well ID:	T0607303209-AGW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-12		

V182
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037436**

Well ID:	T0607302655-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-10		

V183
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074446**

Well ID:	T0607302655-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W184
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051620**

Well ID:	T0607357625-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW4		

W185
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000007825**

Well ID:	T0607357625-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW3		

V186
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088054**

Well ID:	T0607302655-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-4		

W187
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018403**

Well ID:	T0607357625-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W188
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000015747**

Well ID:	T0607357625-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW2		

V189
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009924**

Well ID:	T0607302655-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-5		

V190
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081715**

Well ID:	T0607302655-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-6		

191
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000000754**

State Well #:	14S02W13F001S	Station ID:	15563
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Poway Valley	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1G **ENE** **1/2 - 1 Mile** **Lower**	Site ID:	Not Reported	**AQUIFLOW**	**34198**
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	16		
	Date:	06/07/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92064	55	5

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92064

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.350 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

Oak Knoll

12624 Oak Knoll Road

Poway, CA 92064

Inquiry Number: 6505044.8

May 21, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

05/21/21

Site Name:

Oak Knoll
12624 Oak Knoll Road
Poway, CA 92064
EDR Inquiry # 6505044.8

Client Name:

Geocon Env. Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121-0000
Contact: Cole Mikesell

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1996	1"=500'	Acquisition Date: September 30, 1996	USGS/DOQQ
1989	1"=500'	Flight Date: August 14, 1989	USDA
1985	1"=500'	Flight Date: August 05, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1966	1"=500'	Flight Date: November 02, 1966	USGS
1964	1"=500'	Flight Date: April 08, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1949	1"=500'	Flight Date: February 16, 1949	USDA
1939	1"=500'	Flight Date: April 16, 1939	USDA

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INQUIRY #: 6505044.8
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 2002
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1996
= 500'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 6505044.8
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1985
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1979
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1970
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1953
= 500'
N
EDR

INQUIRY #: 6505044.8
YEAR: 1949
= 500'
N
EDR

INQUIRY #: 6505044.8

YEAR: 1939

= 500'

N

EDR

APPENDIX E

Oak Knoll

12624 Oak Knoll Road

Poway, CA 92064

Inquiry Number: 6505044.4

May 21, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/21/21

Site Name:

Oak Knoll
12624 Oak Knoll Road
Poway, CA 92064
EDR Inquiry # 6505044.4

Client Name:

Geocon Env. Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121-0000
Contact: Cole Mikesell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Geocon Env. Consultants, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# G2746-62-01
Project: Oak Knoll

Coordinates:

Latitude:	32.952051 32° 57' 7" North
Longitude:	-117.056474 -117° 3' 23" West
UTM Zone:	Zone 11 North
UTM X Meters:	494721.58
UTM Y Meters:	3645972.75
Elevation:	464.83' above sea level

Maps Provided:

2012
1996
1975
1967
1952
1942
1930
1903

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Poway
2012
7.5-minute, 24000

1996 Source Sheets

Poway
1996
7.5-minute, 24000
Aerial Photo Revised 1996

1975 Source Sheets

Poway
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets

Poway
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets

Poway Valley
1952
7.5-minute, 24000

1942 Source Sheets

Poway Valley
1942
7.5-minute, 31680

1930 Source Sheets

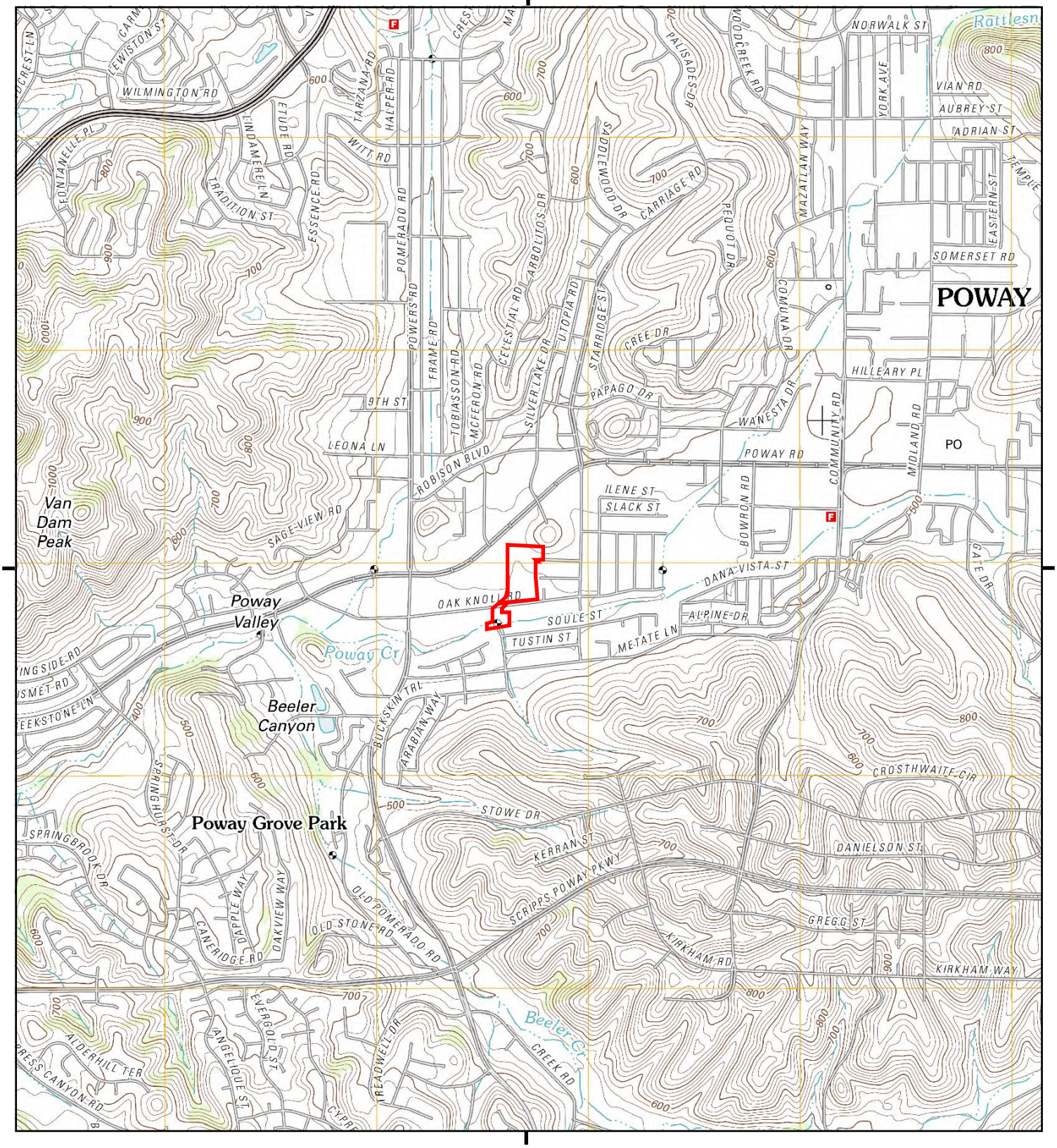
La Jolla
1930
15-minute, 62500

1903 Source Sheets

La Jolla
1903
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

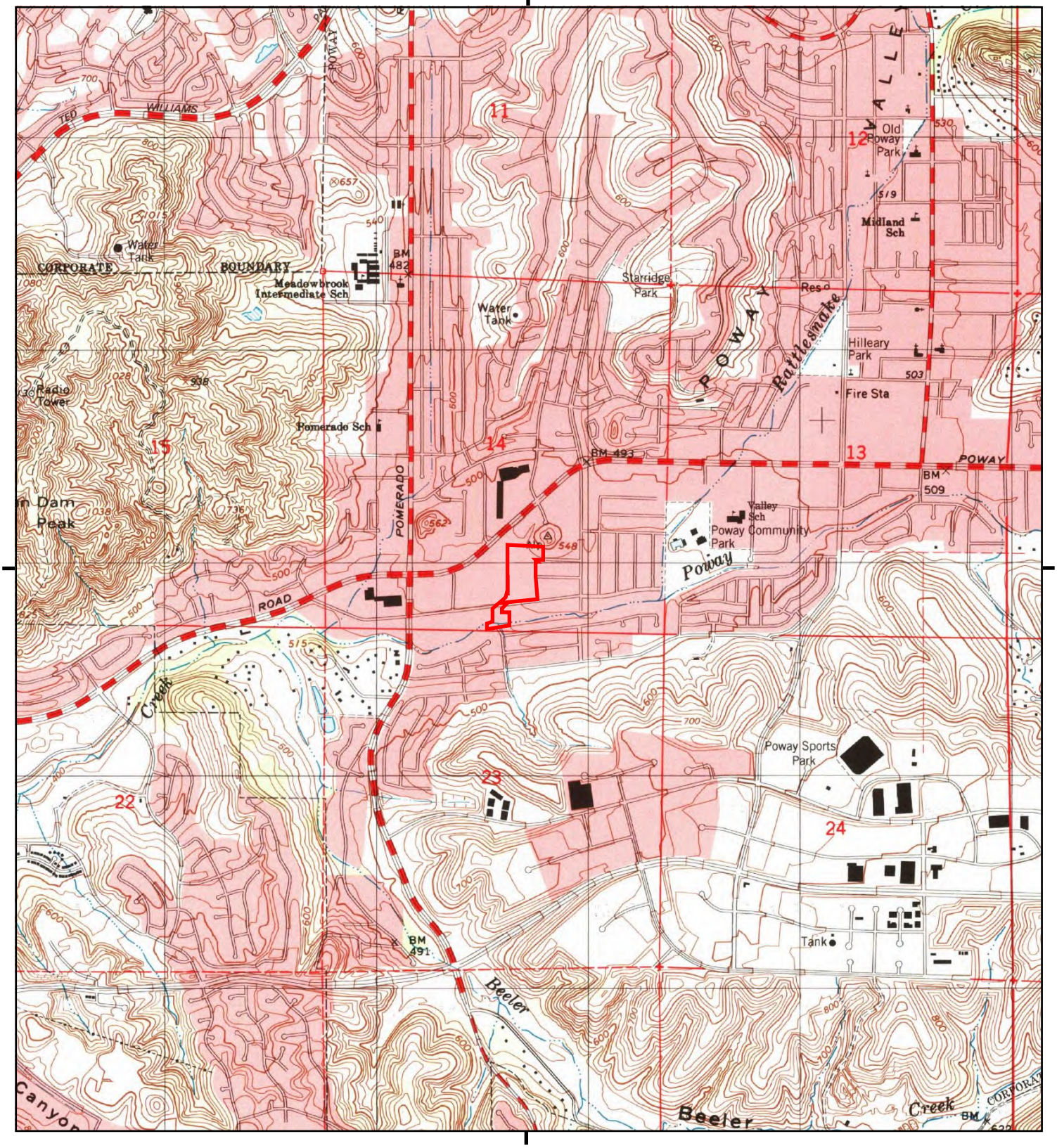
TP, Poway, 2012, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1996



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

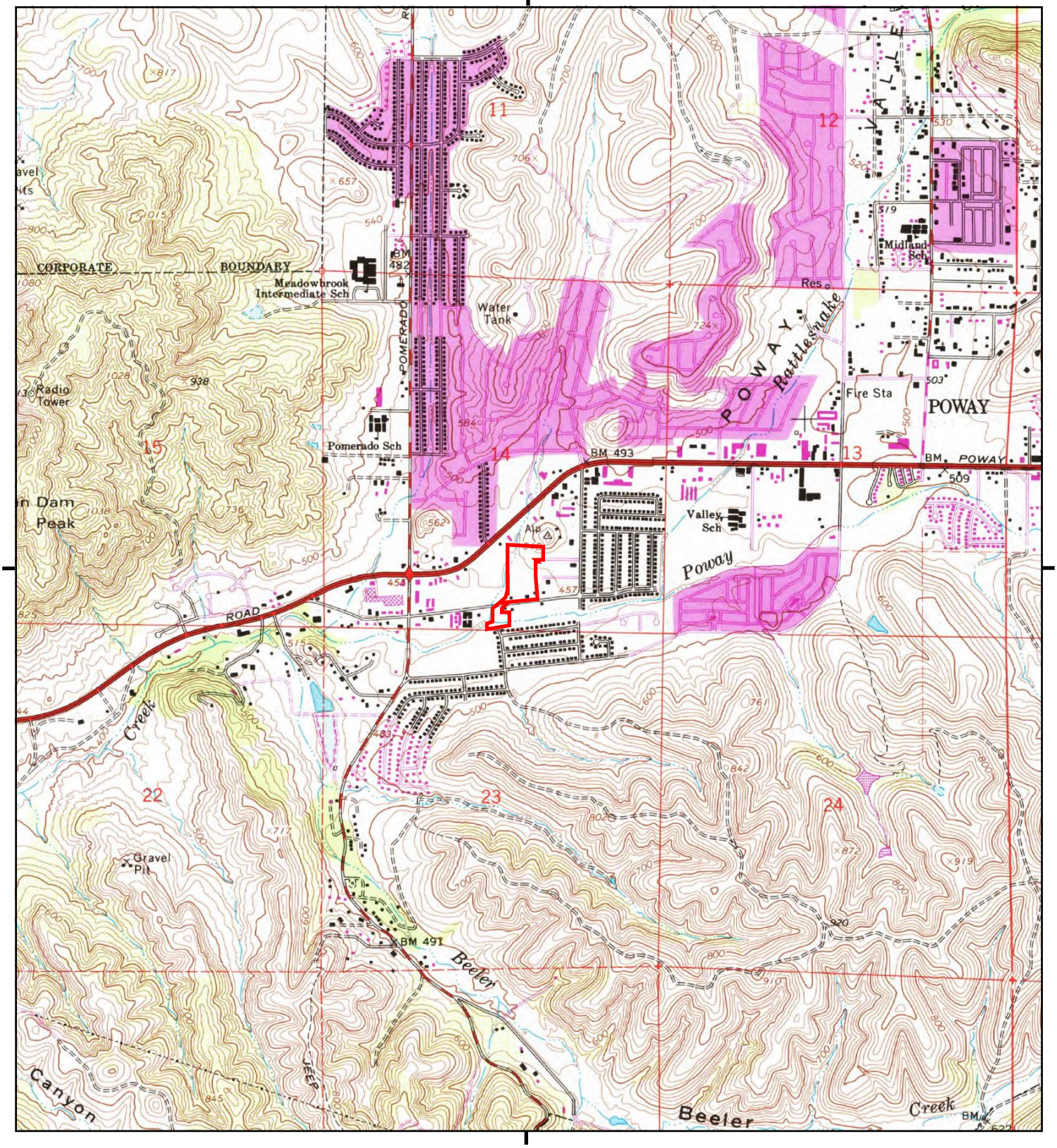
TP, Poway, 1996, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

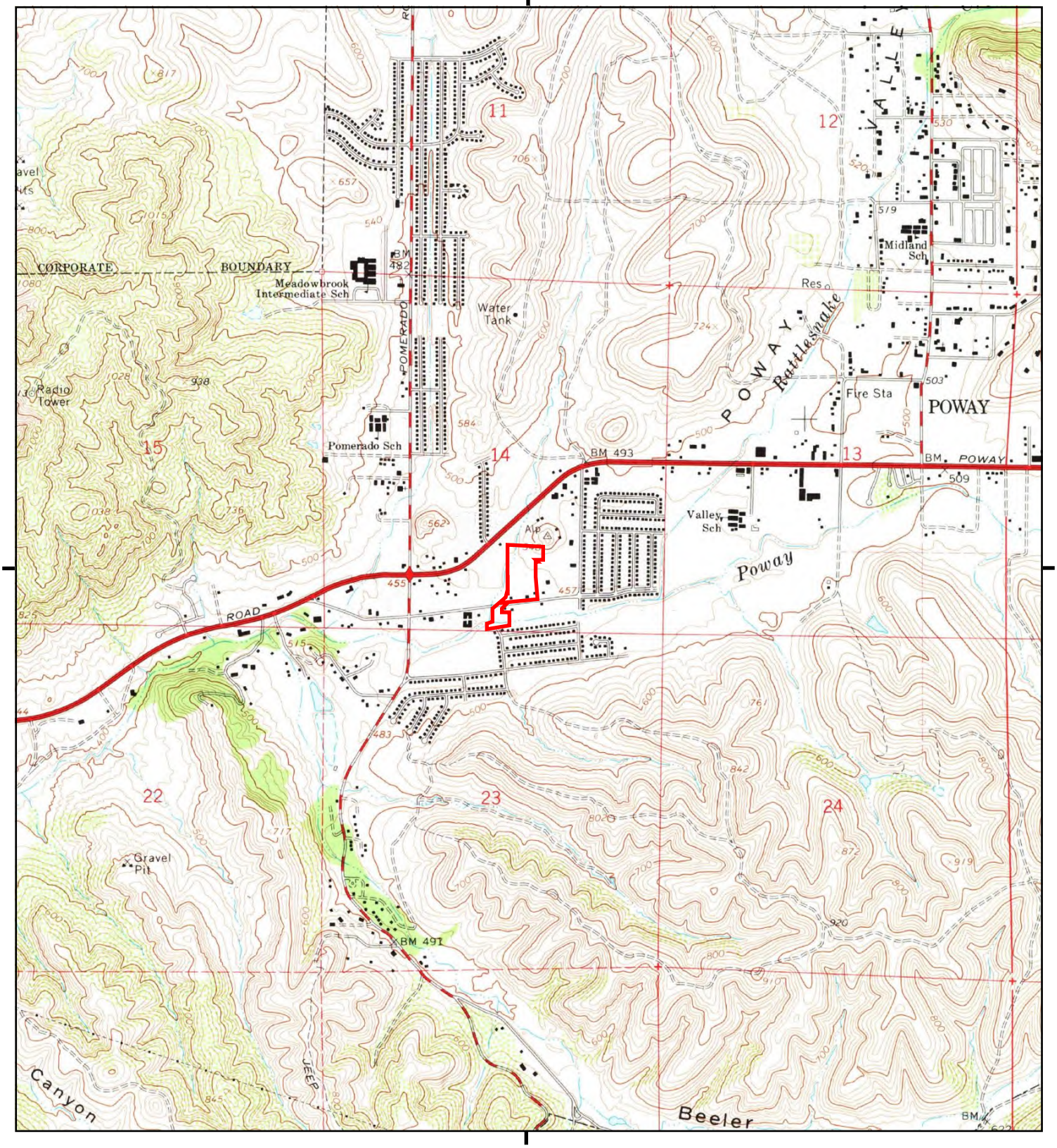
TP, Poway, 1975, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

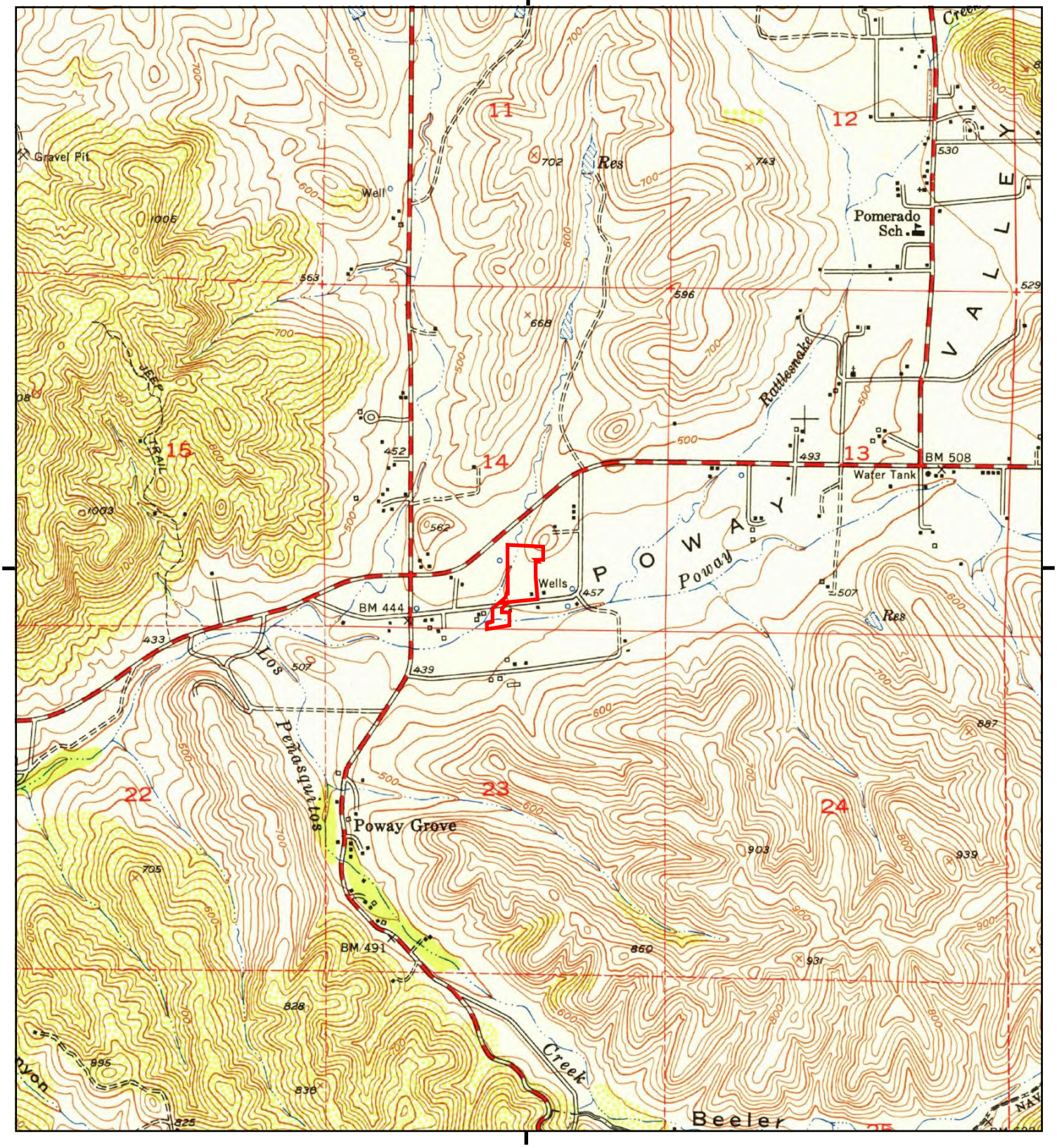
TP, Poway, 1967, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

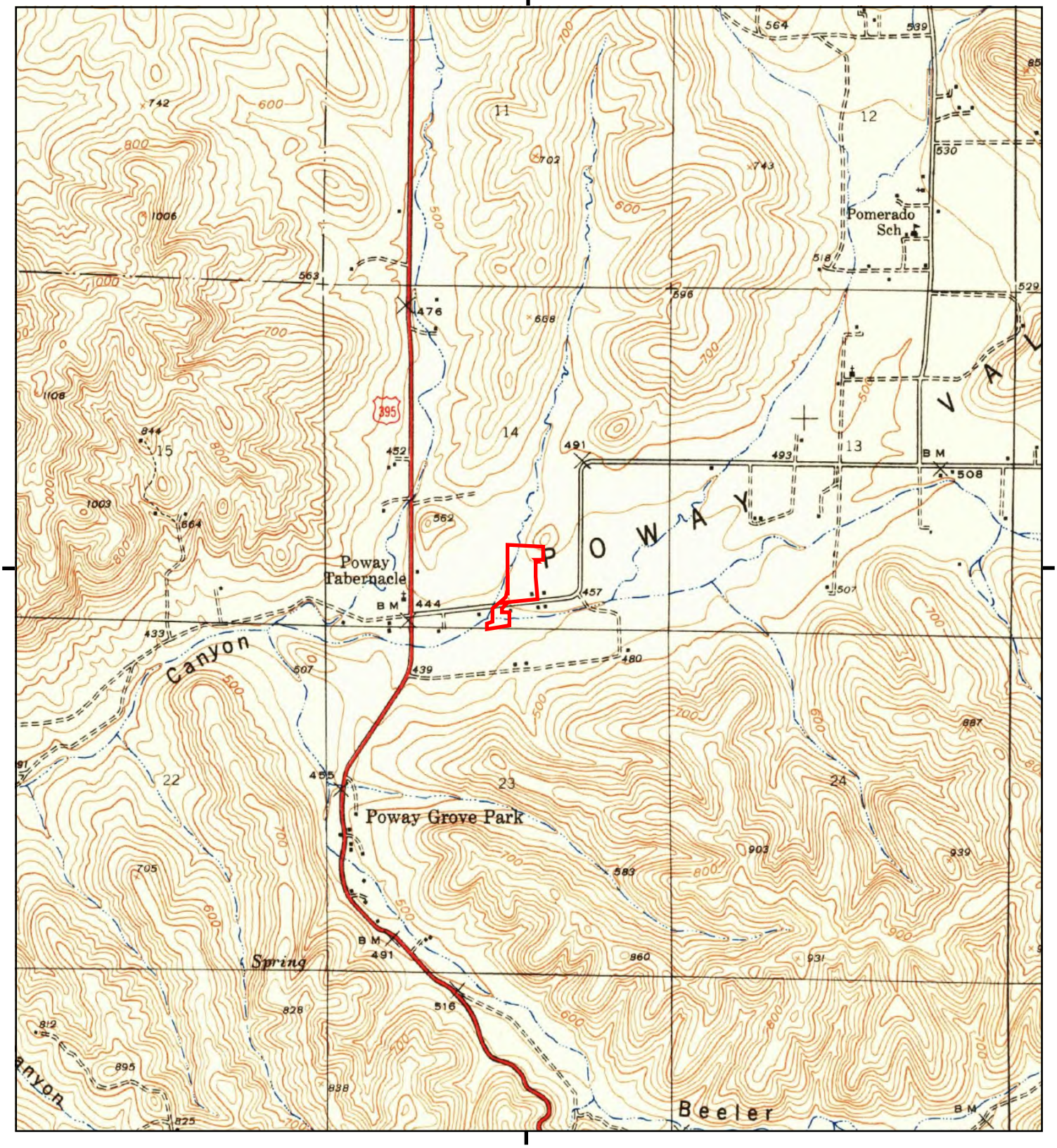
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Poway Valley, 1952, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



This report includes information from the following map sheet(s).

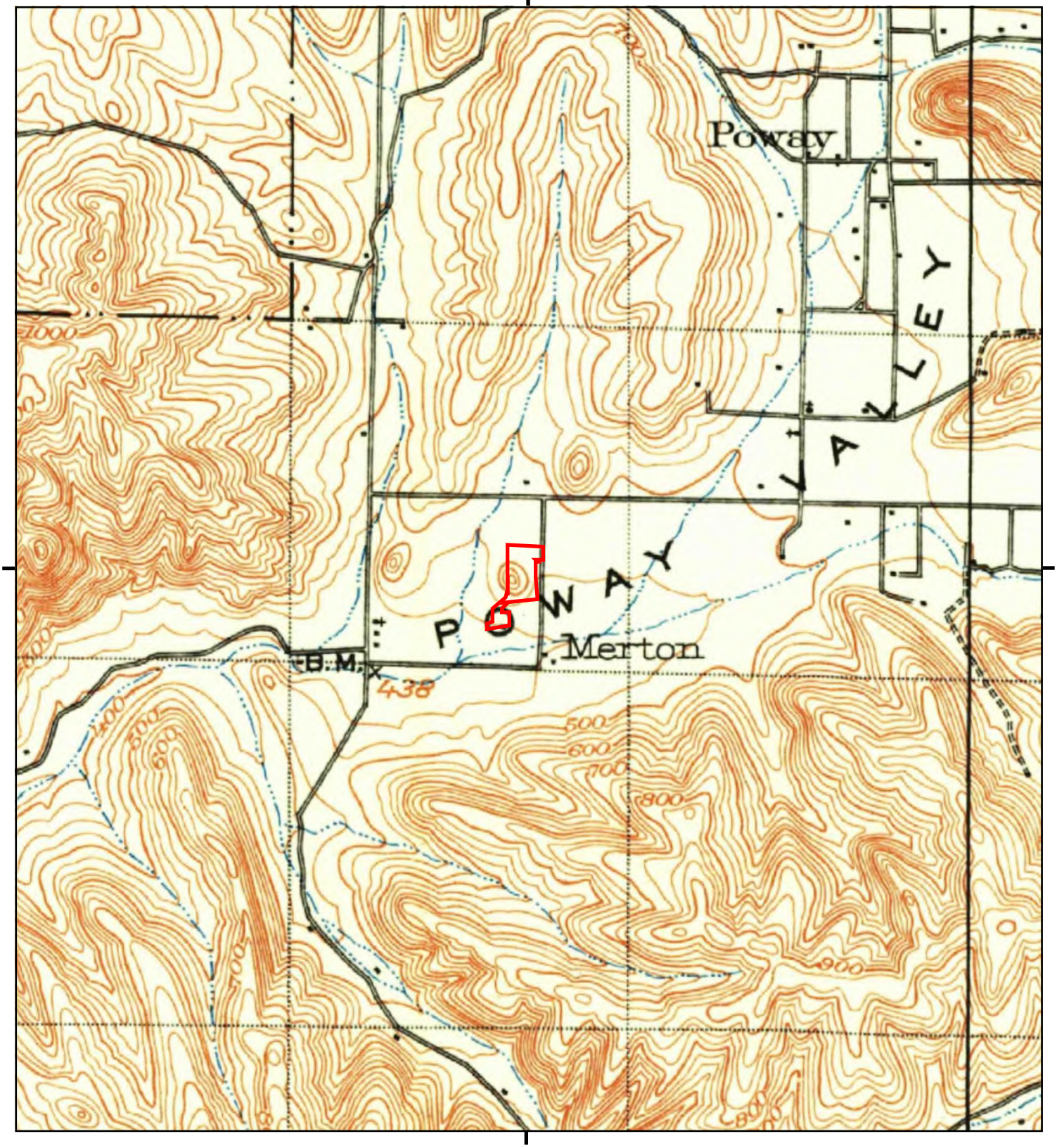
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Poway Valley, 1942, 7.5-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

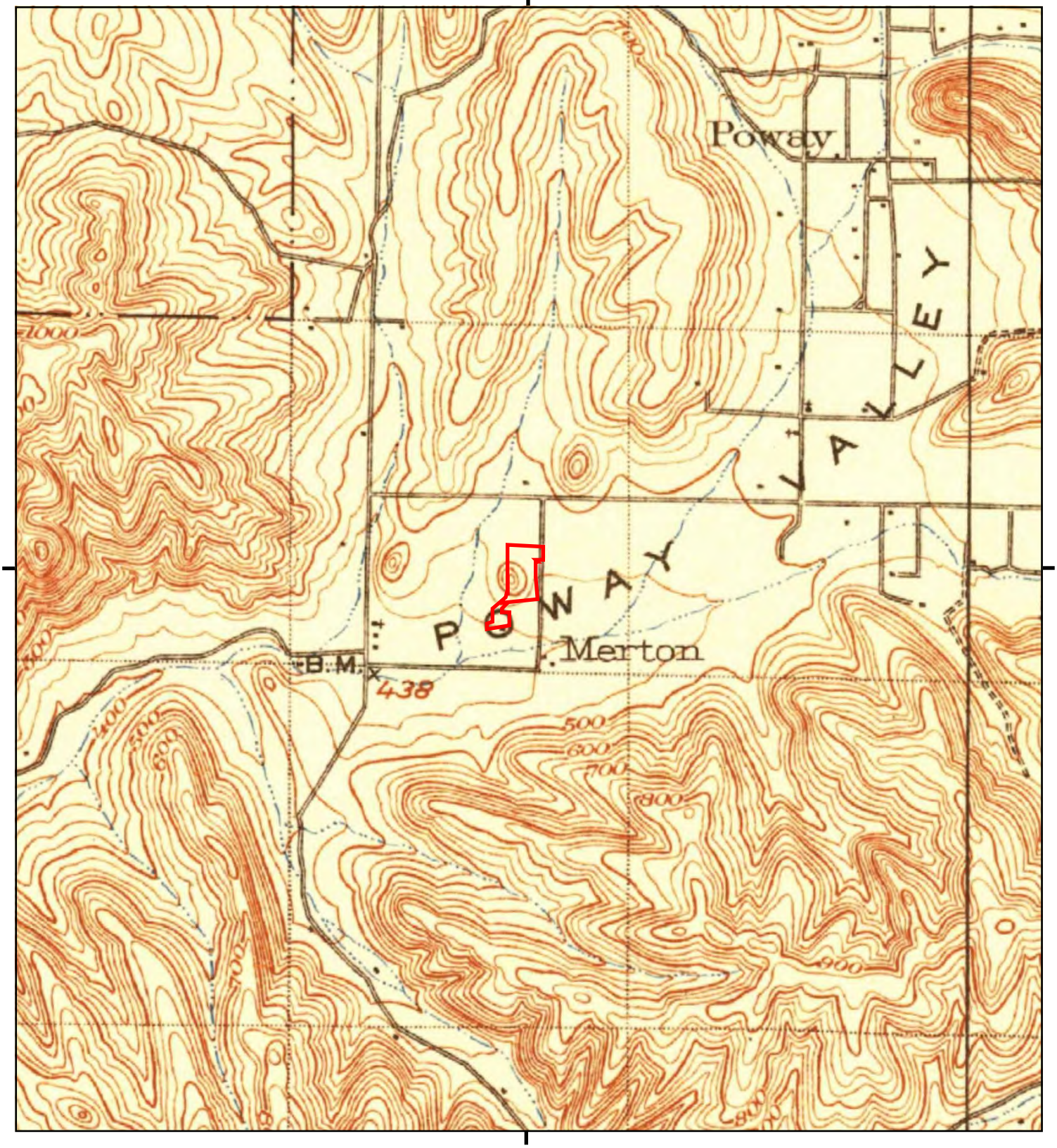
TP, La Jolla, 1930, 15-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1903



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, La Jolla, 1903, 15-minute

SITE NAME: Oak Knoll
ADDRESS: 12624 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

APPENDIX F

Oak Knoll
12624 Oak Knoll Road
Poway, CA 92064

Inquiry Number: 6505044.5
May 26, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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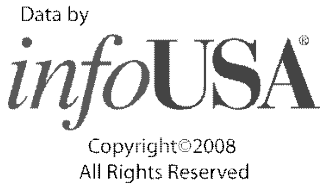

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1986	☑	☐	Haines Criss-Cross Directory
1982	☑	☐	Haines Criss-Cross Directory
1979	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

12624 Oak Knoll Road
Poway, CA 92064

Year	*CD Image*	*Source*

OAK KNOLL RD

2017	pg A2	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A6	EDR Digital Archive
2005	pg A8	EDR Digital Archive
2000	pg A10	EDR Digital Archive
1995	pg A11	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1986	pg A13	Haines Criss-Cross Directory
1982	pg A14	Haines Criss-Cross Directory
1982	pg A15	Haines Criss-Cross Directory
1979	pg A16	Haines Criss-Cross Directory
1979	pg A17	Haines Criss-Cross Directory
1975	pg A18	Haines Criss-Cross Directory
1975	pg A19	Haines Criss-Cross Directory
1971	pg A20	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017

12604	ACOSTA, MARTHA E
	AGHMAGANI, MANSOUR
	CHUNG, HONG Y
	ERLER, JOHN V
	GARRIDO, CHARLES
	GONZALES, FRED
	IBRAHIM, AMAL
	KEIL, TYLER J
	KNIGHT, VANESSA R
	LABIN, CHRISTINA A
	OORD, JOSEPH
	PARTAIN, HEATHER E
	PARTAIN, RICKY W
	PRECIADO, MARIA T
	RAMOS, LUCIANO
	RICHMOND, KATHERINE D
	SILVA, JOHN J
	SOWELL, AMANDA
	VARGAS, EMILIO M
12612	ADLAO, CHRISTIAN R
	AMAT, ROBERT R
	AREVALO, JENNIFER R
	BOTTLE, IVY
	CRYAN, JAMES A
	CURTIS, JOSE
	EDWARDS, LAUREN
	FRENIERE, LISA R
	HOVIS, LEROY
	JEWSON, CAMILLE
	LEBELLE, HAE S
	LEYBAG, RONALD
	MCERLAIN, DEBORAH D
	MINK, JOANNE
	OCAMPO, MYRNA G
	OWENS, ELENAOR
	PASCHAL, EMERI
	RAMOS, ROSANA Q
	ROUT, KAREN
	SIMMONS, LINDA
	STATEN, JOANNA
	STREEPER, JOE
	TESSLER, IVY M
	WEIS, ALLEN
	WHEELER, FRANK E
	ZALMAN, MARBETH L
12623	CLEMMONS, JULIE
12624	URENA, DON L
12625	GUERRERO, JERRY L
12643	REESE, JONATHAN M
12650	TORRE, FAUSTO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017 (Cont'd)

12653 MONTENEGRO, EDWARD R
12665 EGAN, MATTHEW J
12677 HANDY, JACOB R
12695 HENDRICKSON, TROY D
12701 CHILDERS, JON C
12702 ORTIZ, VICENTE
12709 LAU, LENNY
12715 MISNER, CAROL L
12720 KEIL, RON O
12721 ALLEN, JAMES
12724 CHIU-CHUNG, H
12727 KOENIG, MARK D
12732 HOLM, JASON C
12735 DAVIS, REED
12736 CONTRERAS, DAVID G
12742 MOREL, RICHARD A
12749 FURR, DALE A
12750 BETTINGER, WILLIAM V

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2014

12604	ANDERSON, THOMAS
	ATKINSON, SALLY E
	CARTER, ASHLEY
	ERLER, JOHN V
	FRADSHAM, JARRED W
	FULLER, ANDREW C
	GALE, JAMIE L
	KNIGHT, VANESSA
	LABIN, CHRISTINA A
	LOUIS, ANNE W
	OCAMPO, LOURDES A
	PARTAIN, RICKY W
	POSADAS, GERSAIN
	RENDON, SENENDELYN
	RICHMOND, KATHERINE D
	RIFFEE, STEPHANIE
	SILVA, LUGA
	SLASKI, RICHARD B
	THOMAS, DANIEL J
	TRAVERSE, BRANDON
12612	AMAT, ROBERT R
	AREVALO, JENNIFER R
	CRYAN, KATHY
	CURTIS, EVAN
	HERMANN, DAWN
	LAMBERT, SANDRA G
	LATHAM, SEAN R
	LEBELLE, HAE S
	LYONS, ARICA
	MARIZ, JOSE L
	MCERLAIN, DEBORAH D
	MCGLYNN, BONNIE
	OCAMPO, MYRNA G
	ROUT, KAREN
	SANCHEZ, RANA B
	WEIS, ALLEN
	WOODS, ALLEN O
	ZALMAN, MIKE C
12623	CLEMMONS, JULIE
12624	HARMON, EDWARD K
12625	GUERRERO, JERRY L
12643	REESE, JONATHAN M
12650	TORRE, FAUSTO
12653	MONTENEGRO, EDWARD R
12665	OCCUPANT UNKNOWN,
12677	HOPKINS, SUZANNE
	SAMPSON, SUZANNE L
	SEARS, CASSIE T
12695	HENDRICKSON, TROY D
12701	CHILDERS, JON C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2014 (Cont'd)

12702	CEDILLO, FRANCISCO J
12709	XUE, FUYU
12715	PRESNELL, AIMEE
12720	KEIL, RON O
12721	FAMILIA, GREGORIO V
12724	CHIU-CHUNG, H
12727	KOENIG, MARK D
12732	HOLM, JASON C
12735	AGBO, WILLIAM A
12736	GOMEZ, JOHN J
12742	MOREL, RICHARD A
12749	FURR, DALE A
12750	CRISOSTOMO, ORLIE E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2010

12604	AGHMAGANI, MANSOUR
	ATKINSON, SALLY E
	DAVIDSON, CASSANDRA
	DURAN, DEMETRIO
	KASATE, ANNA K
	MILLER, GRIESSER R
	MILLER, JEN
	OPINION, CARLOS L
	RAY, EARL J
	RENDON, SENENDELYN
	RENZ, CHRISTIANE
	RIFFEE, STEPHANIE
	SLASKI, RICHARD B
	TRAINOR, TARA
	WAKEFIELD, NANCY G
	YOUNG, GLORIA
12612	ARISTONDO, HERLINDA
	BENTON, SHANE
	BUSHEE, TAMMY S
	CURTIS, ANTHONY J
	DAY, PATRECE
	DIAMOND, ZYANYA K
	DOUGLAS, PAUL F
	FELLMAN, DAVID W
	GARCIA, RICARDO
	GARNER, OV V
	HARBRUEGER, BETTY
	LAMBERT, SANDRA G
	MANNIX, JOSEPH
	SANCHEZ, RANA
	SOTO, ALMA
	WHITE, DAWN M
	WOODS, ALLEN O
	ZALMAN, MICHAEL
12624	HARMON, EDWARD K
12625	GUERRERO, JERRY L
12643	OCCUPANT UNKNOWN,
12650	STOCKTON, WILLIAM A
12653	GREENWOOD, FRED
12665	BLOXHAM, CHRISTOPHER T
12677	SEARS, CASSIE T
12683	KILLIAN, DELL R
12695	HENDRICKSON, TROY D
12701	CHILDERS, JON C
12702	VELASQUEZ, ERNESTO
12709	XUE, FUYU
12711	FUENTES, MIREYA
12715	NEILIO, MICHAEL P
12720	EMBASSY MANOR
	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2010 (Cont'd)

12721 HYAMS, ADAM E
12724 CHIU-CHUNG, H
12727 KOENIG, SHARYN M
12732 HOLM, JASON C
12735 BLATTLER, CHRISTOPHER M
12736 MCBREARTY, PATRICIA
12742 MOREL, RICCO T
12749 OCCUPANT UNKNOWN,
12750 RIVERA, JOSE B

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2005

12604	AGHMAGANI, MANSOUR
	BENITEZ, DARIO
	CAIRNS, BRIAR C
	CAZANAVE, TINA M
	CONN, AUTUMN
	CONNOLLY, PAT
	GILLESPIE, WILLIAM
	HUNTER, H
	JAMES, DEBORAH L
	JONES, CARRIE E
	KIMBROUG, R
	KIRK, VALERIE
	MILLER, GRIESSER R
	PADILLA, ROBERT A
	RUSSELL, ALBERT T
	SASTRY, C
	SHAFAA, AHADI S
	SHANEY, DEVIN
	SITI PRINTING
	SMALL, STEVEN
	STAR GEMS
	STEWART, LINDA
	VANN, DARRELL L
12612	BARKSDALE, LYTINA E
	BINDA, LIZA
	BOGGESS, KAREN
	BROWN, ANDREW
	CRUZ, ROSARIO
	CURTIS, ANTHONY J
	DAY, LAWENDA S
	DEVLIN, CHARLES J
	FELLMAN, DAVID
	FISH, J D
	FRENCH, DAVID W
	LAPUENTE, RAFAEL E
	LARSON, DARREN
	MANNIX, ROXANNE C
	MORLOCK, AMELIA
	MYERS, DEBI M
	OROZCO, ISMAEL
	RAMOS, RICARDO Q
	REESE, HOWARD R
	SEYYEDI, MOJDEH
	STARTZ, STEPHEN R
	VENTURINO, JENNIFER
	WHITE, DAWN M
	WILSON, DAWN
	WOODS, ALLEN O
12623	OCCUPANT UNKNOWN,
12624	AMERICAN LEGION POST 479

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2005 (Cont'd)

12624 HARMON, EDWARD K
12625 GUERRERO, JERRY L
12643 MESSINA, MICHAEL
12653 GINSBERG, MARK L
12665 CHAVAN, SURENDRA J
12677 DICKERSON, A
12683 KILLIAN, DELL R
12695 DOSTAL, L
12701 CHILDERS, JON C
12702 GARCIA, KARLA
12709 OCCUPANT UNKNOWN,
12711 FUENTES, MIREYA
12715 KRAUSE, DEANNA L
12720 MCDONALD, JOAN
12721 OCCUPANT UNKNOWN,
12724 TU, JAY C
12727 KOENIG, SHARYN
12732 OCCUPANT UNKNOWN,
12735 HUDSON, THOMAS G
12736 MCBREARTY, PATRICIA
12742 RUSSO, CARMEN U
12749 HUDSON, TOM G
12750 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2000

12604	ANDERSON, TRACI K
	CALDERON, MANUEL
	CHAN, Y
	COPE, JEFF H
	CURTIS, SCOTT L
	FLEMING, DEBRA K
	HILL, LEIGH
	JOHNSON, ROBERT J
	MEEK, HOWARD S
	MOORE, SCOTT P
	REESE, HOWARD R
	REID, PAUL
	ROBERTS, ROBERT M
	SAURET, M R
	SAVAGE, TONI Y
	SMITH, TIMOTHY P
	VANBALEN, BRIAN W
	VENEGAS, RENEA A
12612	AUSTIN, FITZROY H
	BINDA, LIZA
	BINDER, JUDITH G
	BROWN, TERENCE
	DELA, P
	DESPRES, DONNA L
	GOFORTH, K
	HOLCROFT, KEVIN D
	HUDSON, RICHARD
	KRISHNARAJPET, LOKESH
	MUSSER, SANDRA
	PAGLIA, ALBERT
	RICE-FANT, LAVERNE
	WILKINS, MICHAEL
	WOODS, ALLEN
12623	OCCUPANT UNKNOWN,
12624	HARMON, EDWARD K
12625	DOHM, RODGER
12629	OCCUPANT UNKNOWN,
12643	OCCUPANT UNKNOWN,
12702	NELSON, RODNEY J
12711	FUENTES, DAVID
12718	OCCUPANT UNKNOWN,
12720	PARIKH, U B
12724	TU, CHIU C
12732	BANCROFT, HAZEL M
12736	FLEMING, CHARLES J
12742	MOREL, CARMEN
12750	SHARP, RUTH

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OAK KNOLL RD 1995

12604	AUSTIN, JOHN F
	BISHOP, CHRIS
	BLACKBURN, PAMELA
	CONN, KEVIN
	FEIL, LAURA
	FISCHER, WILLIAM
	HOWLAND, D L
	LEWIS, GEORGE
	MILLER, BRENT C
	MORRISON, MARCIA
	REBSTOCK, CAREY
	REEVES, MARY F
	SHELTON, GARY
	STILWELL, DAN
	THORN, JAMES P
	VINCENT, BECKY
12612	ARMSTRONG, B
	AUSTIN, FITZROY H
	BURNS, GERALD L
	HOGAN, KEVIN
	JORGENSEN, ROBERT
	PERRY, JOHN
	RANDLE, LINDA
	SMITH, DEBRA
	TORKI, BAHRAM
	WHITE, FRANK
	WOODS, ALLEN
12623	NORBERG, JULIA
12624	HARMON, EDWARD K
12625	OCCUPANT UNKNOWNN
12643	OCCUPANT UNKNOWNN
12650	OCCUPANT UNKNOWNN
12711	OCCUPANT UNKNOWNN
12718	OCCUPANT UNKNOWNN
12720	DESCOLLONGES, STEPHEN L
12724	TU, C
12732	BANCROFT, HAZEL M
12736	FLEMING, CHARLES J
12742	OCCUPANT UNKNOWNN
12750	OCCUPANT UNKNOWNN

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OAK KNOLL RD 1992

12604	DARAKAHSHAN, JAMSHID
	ENYEART, KIRBY
	SCHMID, JERRY D
	SMITH, MARK
12623	POLLACK, KENNETH R
12624	HARMON, EDWARD K
12718	EATON, STEVE
12724	TU, C
12732	BANCROFT, HAZEL M
12736	FLEMING, CHARLES J
12750	MEYN, DONALD H

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OAK KNOLL RD 1986

12S32	APARTMENTS		
	BEHNKE ROBT	748-2454	+B
	DOBBINS DEBBIE	748-6821	+B
	DOBBINS KELLY	748-6821	+B
	HALEY ELMER L	748-9359	+B
	HARRIS DON	748-3638	+6
	LARIVIERE RICHARD	486-3620	+6
	MCCOY DAVID	748-1687	+6
	MCCOY KATHY	748-1687	+6
	MESSNER RICK	748-5723	+6
	REYNOLDS ANN E	748-0237	+6
	REYNOLDS MARK L	748-0237	+6
	ROBINSON MICHAEL	486-0133	+6
	ROHMAN CRICKET	748-3638	+6
12532			
12S4D	APARTMENTS		
	ECTON M	748-0617	+6
	GUZMAN PHYLLIS J	748-2518	+B
	HALL TINA	748-8384	+6
	TELISKY JAN	748-5574	+6
	WISEMAN MIKE	486-0183	+6
12S40			
12547	XXXX	00	
12S48	APARTMENTS		
	GIESON KEVIN	486-2129	+6
	IMHOF V	748-2385	+6
	MALONE JACK	748-9392	+6
	RIVERA RAY	748-1307	+6
	THIGPEN EARL	748-6354	+6
	WILCOX L	748-8219	+6
12548			
12551	NAST J	486-4098	5
	SALOMONE NAOMI	486-2758	+6
12564	APARTMENTS		
	CHIPCHASE CHRIS	748-8331	+6
	HALEMAN M	748-8053	+6
	KUYKENBALL D	748-7257	+B
	LAUDON RONALD E	748-6635	+B
	WYCKOFF LANCE	486-2754	+6
12564			
12572	MYERS PERRY M	748-3029	+6
12580	SMITH JEFFREY W	486-2757	+6
12588	HOOPES LINN	748-5508	+B
	MANATA GARY	486-4669	+B
12S96	ROSIN ELMER	486-3115	+6
12612	MARSHALL BARBARA	748-3776	+6
	MARSHALL JOHN	748-3776	+6
	RHODES LINDA	748-1484	+6
	RHODES WAYNE	748-1484	+6
12623	XXXX	00	
12624	HARMON EDW K LT USN	748-4460	
12625	POSTULKA A	486-4173	3
12643	GARTSIDE C J	486-0434	3
	GARTSIDE WM J	486-0434	
12702	CHAMBERLAIN A	748-8769	2
12711	XXXX	00	
12718	DOUCET CHRISTINE	486-D155	4
12720	DOUCET JOHN	748-0057	
	DOUCET VIOLET	748-0057	
12724	GARNER J R	486-2016	0
12732	BANCROFT HAZEL M	748-1393	8
12736	FLEMING CHARLES J	748-4559	+6
12742	GINN KELLY	486-4466	3
	PAOLINI RONALD J	748-2582	0
12750	TOONE DAVID A	748-8114	

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OAK KNOLL RD 1982

12500	AHRENSBERG JAMIE D	486-3735 +2
	HAMERSKY FRANCIS	748-4264 +2
	MARSDEN ED	748-4264 +2
	PEART WILL	748-5751 1
	RILEY J L	486-1433 +2
12502	AZAD IGBAL	566-9486 +2
	EVERETT JACK	748-6102 +2
	GALLAHER A	748-8539 +2
12504	MAXWELL K	748-7373 +2
	SALOMONE MARIE	748-6350 +2
	VALLETTA ARMAND	748-9671 +2
12506	EVANS KEITH	748-0321 +2
	HIGGINSON DON JR	486-3344 +2
12508	XXXX	00
12509	OAK KNOLL VLAS	
23A	BINGER KENNETH	748-6023 1
4B	BOWYER ROBT	486-2144 0
	BRUIN RICHARD	748-9647 +2
12B	BUSBY CRAIG A	486-3522 1
17A	CERVANTES J MANUEL	748-2492 1
	COLEMAN L	748-1294 +2
	DAVENPORT J C	748-3967 +2
	DEJESUS RAFAELITO	748-8521 +2
	EAGLE RICHARD	748-7547 +2
	FLAX NEAL G	748-9441 +2
26B	FOSTER DENNIS	748-5313 0
	GRAHAM DANL P	748-4768 0
	KENNETH THOS G	748-9421 +2
19B	KINCHEN R H	748-6820 0
9A	KOENIG ROBT	748-6119 1
	LONGWELL MARK A	486-2135 +2
4A	MAGGY JIM	748-8147 0
18B	MCCORD W J	486-3187 1
	MENIUS JEFF L	748-8742 +2
	NAROONE ROSEMARY	486-1294 +2
	NIEDZIELSKI RICHARD	748-5071 +2
9A	OAK KNOLL VILLAS	566-SB61 8
2A	PELLETIER M G	748-8134 1
	PORTSCHE KYM	748-2809 +2
22B	RIZZO MARIE	486-2289 1
	SIEFERS DENNIS R	748-0076 +2
	STEARNS MICHAEL	748-2518 +2
14B	SUTTON GERALD F	748-3820 1
	WEESE TIMOTHY J	486-3259 1
	WHEELER M I	748-6712 +2
12509		
12510	ORANGE GARDENS	
5B	AXTMAN L	486-2558 1
	BALVANEDA HECTOR	748-5404 +2
5E	BARNHOUSE RONALD	748-7638 8
2H	BERTRAN ELENA	748-7133 0
	BISHOP K	748-5604 0
1A	CLARK WM B	748-1498 8
	FIELDS E	748-7627 7
	FUGLEBERG GLEN R	486-3503 1
6G	GIBSON RUSSELL	748-0061 1
4I	GIFT R O	486-2312 1
5E	GOODNESS E S	486-1354 1
	GRAHAM S	748-4480 +2
2B	HAMILTON PETER L	486-0035 1
5C	HAMILTON W W	748-1502 1
	HINMAN A M	486-2212 +2
	HOLT RON	748-7897 +2
	KAHN KARL ERIC	748-2777 +2
4C	KESNER RONALD H	748-8739 7
4F	KING B L	748-5063 1
	KLEIN DENNIS	748-1822 +2
	MCCOWAT HUGH SR	748-6017 +2
	NORRIS R	748-9622 0
6E	ORANGE GARDEN	748-9090 6
	PASSAFUME PHILLIP	748-9654 +2
	PETERSON JERRY	748-8346 1
1E	PIKE ROBT L	486-2205 0

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OAK KNOLL RD 1982

OAK KNOLL RD		92064 CONT	
4G	ROBINSON GERALD S	748-9320	1
	ROBINSON SCOTT	748-6107	+2
	SCHWEITZER C	748-2602	+2
	SEWELL STEVE	748-7407	+2
4A	SIMONDS KIM E	748-8309	1
3B	SMILLIE ROBT J SR	486-3149	0
6F	TAYLOR A	748-5383	8
3J	TURK EOW G	748-5562	8
50	UHLMAN WALTER	748-3242	1
	WILLIAMS K D	486-2223	+2
	ZIMMERMAN OAVE	748-5378	0
12510			
12529	PARK POWAY APTS		
	BROWN K STRATTON	748-4142	+2
	BROWN S K	748-2597	+2
	CARLSTROM ERICA	748-7672	+2
5	CRUSH ARCHIE B	748-3596	6
	DENSMORE E	486-4003	+2
	FOX RANDY	748-1190	+2
	GRIFFIN L J	486-0626	+2
20	GUERRA JESUS	748-6098	1
	LEE OONALD R	486-3260	+2
	LITZ AL	748-3049	+2
	PALMER ROBT	748-3976	+2
	PRUE HELEN R	748-1249	1
	THOMPSON BURTON	486-1471	+2
	WEST JON	695-3407	+2
	WEST MARTIN	486-0317	+2
12529			
12547	HARRISON NORMA	486-1849	+2
12551	CAVANAUGH JAS JR	748-2250	+2
	LAMBROU MILTON	748-8178	9
	WISE DOUG	486-0024	1
12623	XXXX	00	
12624	HARMON EOW K LTUSN	748-4460	
12625	BLOUIN SHIRLEY A	486-0929	+2
12643	VAIL GOROON W JR	486-0434	1
12702	CHAMBERLAIN A	748-8769	+2
12711	XXXX	00	
12718	LIPOUFSKI BEN	748-7325	+2
12720	DOUCET CHRISTINE	486-0155	+2
	DOUCET JOHN	748-0057	
	DOUCET VIOLET	748-0057	
12724	GARNER J R	486-2016	0
12732	BANCROFT HAZEL M	748-1393	8
12736	XXXX	00	
12742	PAOLINI RONALD J	748-2582	0
12750	TOONE DAVID A	748-8114	6

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OAK KNOLL RD 1979

12506	XXXX	DO
12508	XXXX	DO
12509	OAK KNOLL VLAS	
	ARTHUR K M	486-2737+9
12B	ASHTON THOS A	748-7538 7
	BARTHOLOMEW D	748-6961+9
	BAUM KEN	486-3589+9
	CAMPILLO W J JR	748-2309+9
	CONNORS GLORIA	748-8283+9
	CUBBAGE MICHAEL M	748-1787+9
	HEALEA RANDY G	748-8726 8
	HOPGOOD P E	748-2492+9
	HOWARD GLEN	748-4854+9
	JACKSON CECIL	748-7975+9
	JEFFRESS JOE B	486-3198+9
	MARTIN GEO	486-0757+9
	MATHEWS E	486-0659+9
	MEADOWS BEN	748-8609+9
	MINSTER S	486-0338+9
	MORSE CLIFF	748-4167+9
	NORDINE F	748-2078+9
	NORMAN JIM	748-9406+9
	NOSSAN GENE	748-0254+9
★	**OAK KNOLL VILLAS**	**566-5861** 8
	PALMER DAVID-REV	748-8837+9
	PASCO GLEN	486-2337+9
	REDDOCK JOHN S-3D	748-5934+9
	RHIZOR GARY M	748-8275+9
	RIGGS K S	748-4434+9
20A	RUFF D L	748-9355 6
	SAFAVI MOHAMMED	486-0139+9
	SAMII MAJID	748-2437+9
	SCHOECK EUGENE	486-0128+9
	SOUCY ROBERT	486-1459+9
	STEPHENS JAMES M	748-9211+9
	SUND B	486-3789+9
3B	TEHRANI ABDOLLAH J	748-6252 7
	THOME JACK A	748-3015+9
	TOCCO THOMAS R	486-2877+9
	TURK FRANK J	748-0287 8
	WINK DENNIS	486-0969+9
	WRIGHT GREG	748-2597+9
12509		
1251D	APARTMENTS	
	ADAMS STEVEN	486-0150+9
	AXTMAN ROBERT	748-3735+9
	BARNHOUSE RONALD	748-7638 8
	CARY MARTIN	486-3688+9
	CLARK WM B	748-1498 8
50★	**CLINE J C**	**748-8100** 7
	DAVIS DAVID W	748-7139 8
6A	DAVIS DOLLY V	748-1483 7
3F	FIELDS E P	748-7627 7
	FUSSELL KATHLEEN	486-0577+9
	GRUETTER K	748-2744+9
	GRUNDHAUSER A	748-3735+9
	GUTHAUSER EARL J	748-4341 8
	HAMBERG LOREL	748-6962+9
	HEID PATRICIA	486-0577+9
	HEROLD S	486-2022+9
	HOLMSTROM JANICE	748-3718 8

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OAK KNOLL RD 1979

OAK KNOLL RD		92064 CONT
	JABBARPOUR JAVAD	748-6709+9
4C	KESNER RONALD H	748-8739 7
	KORTE PAUL A	748-7010+9
	MARTIN J A	486-0959+9
	MUSIKANTOW ROBERT	748-5765+9
	NEGRE SANTIAGO J	748-0258+9
	NUGENT YVONNE	486-2609+9
*	**ORANGE GARDEN**	**748-9080** 6
	PEARCE CRAIG	748-8062+9
	RAYBOY ROBERT	486-0146+9
	RAYNOR NELL V	748-1483 7
	SALO GREGORY	748-3834+9
6B	SAMSON DANL	748-7983 7
	SMUIN WINIFRED C	486-2637+9
	SPOONEMORE TOM	748-4074+9
	STEWART DAVID	486-0959+9
	TAYLOR A	748-5383 8
	TURK EDW G	748-5562 8
	UMHOLTZ MARIE	486-0609+9
	WHITFIELD STANLEY	486-3028+9
	WILCOXSON G	486-3588+9
12510		
12529	PARK POWAY APTS	
	COOPER CARMEN R	748-9349+9
	COOPER LARRY G	748-3699+9
5	CRUSH ARCHIE B	748-3596 6
	KLINGER M F	748-9481+9
	MARTIN GARY	748-3607+9
	MCINTIRE JAS B	748-5218 8
	PONOMARENKO TONY	748-0309+9
	PUERTO ENRIQUE	748-2305+9
10	SABEAN C	748-7157 7
	STAMPFLI DOUGLAS	486-3038+9
	STIRLING BROOKE	748-4044+9
	TUCKER BRIAN	748-5215+9
12529		
12547	ROSS KENNETH S-DR	748-3459 6
12551	CHAPMAN BEVERLY	748-4835+9
	DUNN DAVID	748-9282+9
	LAMBROU MILTON	748-8178+9
	REINBOLD ROBT	748-8791 7
12623	XXXX	00
12624	HARMON EDW K LT USN	748-4460
12625	ASH FRANCES	748-9567+9
12650*	**HIGH VOLTAGE CABLE**	**748-0362** 8
*	**SIGNATURE ELECTRIC**	**565-3593** 8
12711	XXXX	00
12718	MARKWALDER JOE	748-3338
12720	DOUCET JOHN	748-0057
	DOUCET VIOLET	748-0057
12724	MOORE RONALD	748-0412 7
12732	BANCROFT HAZEL M	748-1393 8
12736	PAOLINI RONALD J	748-2582 8
12742	DYE BEN P	748-2149 0
	DYE PAT	748-2149 0
12750	TOONE DAVID A	748-8114 6

Target Street	Cross Street	Source
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OAK KNOLL RD 1975

12506	XXXX	00
12508	SMALL CHRISTINE M	748-7679+5
	WHITE ROBT NEAL	748-7679+5
12509	...APARTMENTS	
2A	ANORESEN MARY F	748-1988 4
	BOAROMAN KENNEOY	20566-3923+5
	BURIAN L J	748-9493+5
	CERCOPELY WM H	748-5576+5
	CLOUS BRENT	748-4094+5
	COLOSNOW STANLEY	748-9566+5
	OARCHE OONALO C	748-2329+5
	OAVIS S	748-9742+5
	EVES OALE	748-5217+5
	FLORES RANOY	748-8910+5
	HARGROVE S J	748-3532+5
	HARTLEY JOANN	748-0910+5
	HAUHT JOHN C	748-0922+5
1A	HOOGE RUSSELL A	748-5006 4
	KIMBLER TERRY	748-4094+5
	KOLSKY LARRY	748-7718+5
	LINOWEOEL JAS	748-1285+5
6A	LONG STEPHEN	748-3487 4
	MCOOWELL LAURIE	748-8677+5
	MEOENWALO MICHAEL	748-4285+5
	MESSALL INEZ	748-9758+5
	MIETUS ROBT	748-8942+5
19A	OAKLEY RICHARO C	748-0858 4
	OVERHOLT THEO	748-9758+5
11A	PATTERSON JAY T	748-6246 4
	SCHULTZ CARLA	748-8745+5
	SMITH BRYAN	748-8725+5
	UNOERWOOO JEFFREY	748-6873+5
	WEIOEMANN RONALO E	748-8791+5
	WOOO JOHN C	748-3921+5
	WOOO R L	565-6928+5
12509	.....	

Target Street	Cross Street	Source
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OAK KNOLL RD 1975

..OAK KNOLL RD 92064 CONT..

12529...PARK POWAY APTS

	ALTO A	748-9420+5
	CLAWSON TIMOTHY	748-6965+5
	GAMMELL JOHN W	748-2654+5
15	GAUTREAU AL	748-1776 0
15	GAUTREAU WILLA	748-1776 0
1	HARRISON LLOYO S	748-4985 3
23	JACKSON C J	748-0650 0
	KALSON CONNIE	748-9423+5
	KESTERSON LEONARO	748-7858+5
	KINCAIO ROBT	748-7162 4
	LAWSON BILL	748-7593+5
	MAROWELLI ROBT	748-9523+5
2	MITCHELL ROBT M	748-4548 2
	NATHANSON VICTOR S	748-6048+5
	PARZ RICHARO J	748-0932+5
	PASCO SALLY B	748-9423+5
	PHILLIPS PAUL V	748-9598+5
	PIERSALL ROBT	748-9651+5
26	PLETT K S	748-2483 4

12529.....

12547	XXXX	00
12551	GALLAGHER PETER	748-6729 4
	GUILLEMETTE ANORE	748-0925+5
	MCCAIN KEVIN L	748-1354+5
	TIERNEY FRANK E	748-4430+5
12623	ESH RHONOA L	748-1267+5
12624	HARMON EOW K LT USN	748-4460
12625	XXXX	00
12650	CARTER KATIE B	748-9473+5
12711	GILLESPIE GEO S JR	748-3485
12718	MARKWALOER JOE	748-3338
12720	OOUCET JOHN	748-0057
	OOUCET VIOLET	748-0057
12724	HUBANO LEONARO W	748-8732+5
12732	APPERSON HAZEL	748-1393 2
12736	MILLIKAN STEPHEN R	748-6095+5
12742	OYE BEN P	748-2149 0
	OYE PAT	748-2149 0
	OYE TONI L	748-2149 3
12750	MCGUIRT J O JR	748-7425 4

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OAK KNOLL RD 1971

12506	WEST LAVONNA MRS	748-0867+1
12508	PHOTON JUDY	748-4638 0
12529	...PARK POWAY APTS	
	AVERETT SHELBY	748-2280+1
	BEPOA JAN	748-5394+1
	BEROA ROBIN	748-5394+1
	OAILEY TED M	748-4573 0
	FREELAND MATTHEW	748-2835+1
	FRITZ E JAS	748-2407+1
	FRITZ JAS	748-2407+1
	FRITZ RUTH	748-2407+1
	GAUTREAU AL	748-1776 0
	GAUTREAU WILLA	748-1776 0
	GOOD JEANNE	748-2342 0
	GOOD ROY V JR	748-2342 0
	HENRY WM F	748-3144+1
	JACKSON C O	748-0650 0
	LORAAS JIM S	748-0313+1
	LUNSFORD B J	748-1384+1
	OSTENDORF DENNIS	748-3352+1
	PAGE BURTON J	748-5553+1
	RIVERA ALFRED S JR	748-2131+1
	SINGERS JOAN	748-0879
	SPEARS STEVEN H	748-0451+1
	TEMRLETON ANNE C	748-3231+1
	TEMPLETON ROBT H	748-3231+1
	WEST WM O JR	748-5562+1
12547	HILL B E	748-1948 0
	ROSS KENNETH S DR	748-3459
12623	CRUISE TERRY L	748-4951+1
	CRUISE VERBA	748-4951+1
12624	HARMON EOW K LT USN	748-4460
12625	KRAUSE ROBT G	748-0637
12650	FRENCH JAS H	748-4681
	FRENCH JOAN MRS	748-4681
12711	GILLESRIE GEO S JR	748-3485
12718	MARKWALDER JOE	748-3338
12720	DOUCET JOHN	748-0057
	DOUCET VIOLET	748-0057
12724	XXXX	00
12732	STEDMAN HAZEL M	748-1393+1
12742	DYE BEN P	748-2149 0
	DYE PAT	748-2149 0
12750	WILLIAMS ROBT LEE	748-2176 0
12811	GALT JOHN A	748-0440
12817	WILLIAMS O E	748-0369
12823	BAUGHAM B DEANE	748-4561
12829	XXXX	00
12835	LEHTOLA B W	748-4976
12841	BECKMAN ORAL MRS	748-4476
	MCCARTHY T MISS	748-2511
12847	GARCIA JESS	748-4566

APPENDIX G

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 454348
Report Level: II
Report Date: 12/10/2021

Analytical Report *prepared for:*

Troy Reist
Geocon Incorporated
6960 Flanders Drive
San Diego, CA 92121

Location: Oak Knoll, G2746-62-01

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Troy Reist
Geocon Incorporated
6960 Flanders Drive
San Diego, CA 92121

Lab Job #: 454348
Location: Oak Knoll, G2746-62-01
Date Received: 12/01/21

Sample ID	Lab ID	Collected	Matrix
S1	454348-001	11/30/21 09:20	Soil
S2	454348-002	11/30/21 09:25	Soil
S3	454348-003	11/30/21 09:30	Soil
S4	454348-004	11/30/21 09:35	Soil
S5	454348-005	11/30/21 09:40	Soil
S6	454348-006	11/30/21 09:45	Soil
S7	454348-007	11/30/21 09:50	Soil
S8	454348-008	11/30/21 09:55	Soil
S9	454348-009	11/30/21 10:00	Soil
COMPOSITE S1-S3	454348-010	11/30/21 09:30	Soil
COMPOSITE S4-S6	454348-011	11/30/21 09:45	Soil
COMPOSITE S7-S9	454348-012	11/30/21 10:00	Soil

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 454348

Page: of

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 4.7 / 4.1 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geocon Inc.	Name:	Oak Knoll
Report To:	Troy Reist	Number:	G2746-62-01
Email:	reist@geoconinc.com	P.O. #:	
Address:	6960 Flanders Drive	Address:	
	San Diego, CA 92127		
Phone:	858 558-6900	Global ID:	
Cell:	619-818-0267	Sampled By:	Cole Mikesell

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8081 OCPs	6010 Arsenic Only	Test Instructions / Comments
1	S1	11/30/21	9:20 AM	S	4oz	6			
2	S2	11/30/21	9:25 AM	S	4oz	6	x	x	Composite S1-S3 for OCPs and run S2 for discrete arsenic
3	S3	11/30/21	9:30 AM	S	4oz	6			
4	S4	11/30/21	9:35 AM	S	4oz	6			
5	S5	11/30/21	9:40 AM	S	4oz	6	x	x	Composite S4-S6 for OCPs and run S5 for discrete arsenic
6	S6	11/30/21	9:45 AM	S	4oz	6			
7	S7	11/30/21	9:50 AM	S	4oz	6			
8	S8	11/30/21	9:55 AM	S	4oz	6	x	x	Composite S7-S9 for OCPs and run S8 for discrete arsenic
9	S9	11/30/21	10:00 AM	S	4oz	6			
10									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Troy K. Reist	Troy Reist	Geocon Inc.	11/30/2021 / 11:00 AM
[1] Received By:		NELSON ESQUIVEL	EA	12.1.21 1200
[2] Relinquished By:		NELSON ESQUIVEL	EA	12.1.21 1707
[2] Received By:		David Tran	EA	12-1-21 1707
[3] Relinquished By:		David Tran	EA	12-1-21 1805
[3] Received By:		Elizabeth Ramm	EA	12-1-21 18:25

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geocon Inc. Project: Oak Knoll

Date Received: 12/1/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/1/21

ENTHALPY ANALYTICAL

Analysis Results for 454348

Troy Reist
Geocon Incorporated
6960 Flanders Drive
San Diego, CA 92121

Lab Job #: 454348
Location: Oak Knoll, G2746-62-01
Date Received: 12/01/21

Sample ID: S2 **Lab ID: 454348-002** **Collected: 11/30/21 09:25**
Matrix: Soil

454348-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**1.8**		mg/Kg	1.0	1	279110	12/02/21	12/02/21	KLN

Sample ID: S5 **Lab ID: 454348-005** **Collected: 11/30/21 09:40**
Matrix: Soil

454348-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**3.3**		mg/Kg	0.93	0.93	279110	12/02/21	12/02/21	KLN

Sample ID: S8 **Lab ID: 454348-008** **Collected: 11/30/21 09:55**
Matrix: Soil

454348-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**2.3**		mg/Kg	0.99	0.99	279110	12/02/21	12/02/21	KLN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 454348

Sample ID: COMPOSITE S1-S3	Lab ID: 454348-010	Collected: 11/30/21 09:30
	Matrix: Soil	

454348-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Aldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Methoxychlor	ND		ug/Kg	10	1	279167	12/03/21	12/03/21	TRN
Toxaphene	ND		ug/Kg	100	1	279167	12/03/21	12/03/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	279167	12/03/21	12/03/21	TRN
Surrogates				**Limits**					
TCMX	85%		%REC	23-120	1	279167	12/03/21	12/03/21	TRN
Decachlorobiphenyl	67%		%REC	24-120	1	279167	12/03/21	12/03/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 454348

Sample ID: COMPOSITE S4-S6	Lab ID: 454348-011	Collected: 11/30/21 09:45
	Matrix: Soil	

454348-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Aldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDE	**7.4**		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDD	**8.2**		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDT	**39**	#	ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Methoxychlor	ND		ug/Kg	10	1	279167	12/03/21	12/03/21	TRN
Toxaphene	ND		ug/Kg	100	1	279167	12/03/21	12/03/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	279167	12/03/21	12/03/21	TRN
Surrogates				**Limits**					
TCMX	87%		%REC	23-120	1	279167	12/03/21	12/03/21	TRN
Decachlorobiphenyl	67%		%REC	24-120	1	279167	12/03/21	12/03/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 454348

Sample ID: COMPOSITE S7-S9	Lab ID: 454348-012	Collected: 11/30/21 10:00
	Matrix: Soil	

454348-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Aldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	279167	12/03/21	12/03/21	TRN
Methoxychlor	ND		ug/Kg	10	1	279167	12/03/21	12/03/21	TRN
Toxaphene	ND		ug/Kg	100	1	279167	12/03/21	12/03/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	279167	12/03/21	12/03/21	TRN
Surrogates				**Limits**					
TCMX	77%		%REC	23-120	1	279167	12/03/21	12/03/21	TRN
Decachlorobiphenyl	56%		%REC	24-120	1	279167	12/03/21	12/03/21	TRN

\# CCV drift outside limits; average CCV drift within limits per method requirements
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC958690**	**Batch: 279110**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC958690 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	12/02/21	12/02/21

Type: Lab Control Sample	**Lab ID: QC958691**	**Batch: 279110**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC958691 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	100.9	100.0	mg/Kg	101%		80-120

Type: Matrix Spike	**Lab ID: QC958692**	**Batch: 279110**
Matrix (Source ID): Soil (454308-002)	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC958692 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	90.59	1.163	87.72	mg/Kg	102%		75-125	0.88

Type: Matrix Spike Duplicate	**Lab ID: QC958693**	**Batch: 279110**
Matrix (Source ID): Soil (454308-002)	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC958693 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	106.9	1.163	104.2	mg/Kg	101%		75-125	0	35	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC958868**	**Batch: 279167**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC958868 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	12/03/21	12/03/21
beta-BHC	ND		ug/Kg	5.0	12/03/21	12/03/21
gamma-BHC	ND		ug/Kg	5.0	12/03/21	12/03/21
delta-BHC	ND		ug/Kg	5.0	12/03/21	12/03/21
Heptachlor	ND		ug/Kg	5.0	12/03/21	12/03/21
Aldrin	ND		ug/Kg	5.0	12/03/21	12/03/21
Heptachlor epoxide	ND		ug/Kg	5.0	12/03/21	12/03/21
Endosulfan I	ND		ug/Kg	5.0	12/03/21	12/03/21
Dieldrin	ND		ug/Kg	5.0	12/03/21	12/03/21
4,4'-DDE	ND		ug/Kg	5.0	12/03/21	12/03/21
Endrin	ND		ug/Kg	5.0	12/03/21	12/03/21
Endosulfan II	ND		ug/Kg	5.0	12/03/21	12/03/21
Endosulfan sulfate	ND		ug/Kg	5.0	12/03/21	12/03/21
4,4'-DDD	ND		ug/Kg	5.0	12/03/21	12/03/21
Endrin aldehyde	ND		ug/Kg	5.0	12/03/21	12/03/21
Endrin ketone	ND		ug/Kg	5.0	12/03/21	12/03/21
4,4'-DDT	ND		ug/Kg	5.0	12/03/21	12/03/21
Methoxychlor	ND		ug/Kg	10	12/03/21	12/03/21
Toxaphene	ND		ug/Kg	100	12/03/21	12/03/21
Chlordane (Technical)	ND		ug/Kg	50	12/03/21	12/03/21
Surrogates				**Limits**		
TCMX	76%		%REC	23-120	12/03/21	12/03/21
Decachlorobiphenyl	68%		%REC	24-120	12/03/21	12/03/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC958869**	**Batch: 279167**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC958869 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	46.58	50.00	ug/Kg	93%		22-129
beta-BHC	41.83	50.00	ug/Kg	84%		28-125
gamma-BHC	44.55	50.00	ug/Kg	89%		22-128
delta-BHC	45.29	50.00	ug/Kg	91%		24-131
Heptachlor	43.49	50.00	ug/Kg	87%		18-124
Aldrin	37.71	50.00	ug/Kg	75%		23-120
Heptachlor epoxide	38.38	50.00	ug/Kg	77%		26-120
Endosulfan I	38.65	50.00	ug/Kg	77%	#	25-126
Dieldrin	37.42	50.00	ug/Kg	75%		23-124
4,4'-DDE	38.12	50.00	ug/Kg	76%		28-121
Endrin	40.19	50.00	ug/Kg	80%		25-127
Endosulfan II	43.10	50.00	ug/Kg	86%		29-121
Endosulfan sulfate	37.97	50.00	ug/Kg	76%		30-121
4,4'-DDD	43.07	50.00	ug/Kg	86%		26-120
Endrin aldehyde	31.31	50.00	ug/Kg	63%		10-120
Endrin ketone	43.00	50.00	ug/Kg	86%		28-125
4,4'-DDT	42.51	50.00	ug/Kg	85%	#	22-125
Methoxychlor	43.50	50.00	ug/Kg	87%	#	28-130
Surrogates						
TCMX	46.01	50.00	ug/Kg	92%		23-120
Decachlorobiphenyl	37.28	50.00	ug/Kg	75%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC958870**	**Batch:**	**279167**
Matrix (Source ID):	**Soil (454335-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC958870 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	47.72	ND	50.00	ug/Kg	95%		46-120	1
beta-BHC	44.87	ND	50.00	ug/Kg	90%		41-120	1
gamma-BHC	46.24	ND	50.00	ug/Kg	92%		41-120	1
delta-BHC	47.90	ND	50.00	ug/Kg	96%		38-123	1
Heptachlor	44.40	ND	50.00	ug/Kg	89%		39-120	1
Aldrin	40.10	ND	50.00	ug/Kg	80%		34-120	1
Heptachlor epoxide	40.21	ND	50.00	ug/Kg	80%		43-120	1
Endosulfan I	41.42	ND	50.00	ug/Kg	83%	#	45-120	1
Dieldrin	39.91	ND	50.00	ug/Kg	80%		45-120	1
4,4'-DDE	41.95	ND	50.00	ug/Kg	84%		34-120	1
Endrin	43.22	ND	50.00	ug/Kg	86%		40-120	1
Endosulfan II	43.21	ND	50.00	ug/Kg	86%		41-120	1
Endosulfan sulfate	42.18	ND	50.00	ug/Kg	84%		42-120	1
4,4'-DDD	47.80	ND	50.00	ug/Kg	96%		41-120	1
Endrin aldehyde	36.72	ND	50.00	ug/Kg	73%		30-120	1
Endrin ketone	46.53	ND	50.00	ug/Kg	93%		45-120	1
4,4'-DDT	45.76	ND	50.00	ug/Kg	92%	#	35-127	1
Methoxychlor	48.01	ND	50.00	ug/Kg	96%	#	42-136	1
Surrogates								
TCMX	45.05		50.00	ug/Kg	90%		23-120	1
Decachlorobiphenyl	39.98		50.00	ug/Kg	80%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC958871**	**Batch:**	**279167**
Matrix (Source ID):	**Soil (454335-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC958871 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	44.72	ND	50.00	ug/Kg	89%		46-120	6	30	1
beta-BHC	42.25	ND	50.00	ug/Kg	84%		41-120	6	30	1
gamma-BHC	43.46	ND	50.00	ug/Kg	87%		41-120	6	30	1
delta-BHC	44.82	ND	50.00	ug/Kg	90%		38-123	7	30	1
Heptachlor	41.06	ND	50.00	ug/Kg	82%		39-120	8	30	1
Aldrin	37.42	ND	50.00	ug/Kg	75%		34-120	7	30	1
Heptachlor epoxide	37.78	ND	50.00	ug/Kg	76%		43-120	6	30	1
Endosulfan I	38.54	ND	50.00	ug/Kg	77%	#	45-120	7	30	1
Dieldrin	36.54	ND	50.00	ug/Kg	73%		45-120	9	30	1
4,4'-DDE	38.34	ND	50.00	ug/Kg	77%		34-120	9	30	1
Endrin	39.76	ND	50.00	ug/Kg	80%		40-120	8	30	1
Endosulfan II	41.94	ND	50.00	ug/Kg	84%		41-120	3	30	1
Endosulfan sulfate	38.15	ND	50.00	ug/Kg	76%		42-120	10	30	1
4,4'-DDD	44.50	ND	50.00	ug/Kg	89%		41-120	7	30	1
Endrin aldehyde	34.81	ND	50.00	ug/Kg	70%		30-120	5	30	1
Endrin ketone	40.10	ND	50.00	ug/Kg	80%		45-120	15	30	1
4,4'-DDT	39.85	ND	50.00	ug/Kg	80%	#	35-127	14	30	1
Methoxychlor	42.51	ND	50.00	ug/Kg	85%	#	42-136	12	30	1
Surrogates										
TCMX	42.15		50.00	ug/Kg	84%		23-120			1
Decachlorobiphenyl	33.86		50.00	ug/Kg	68%		24-120			1

\# CCV drift outside limits; average CCV drift within limits per method requirements

ND Not Detected

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

GEOCON
INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

LENNAR
SAN DIEGO, CALIFORNIA

MAY 18, 2022
PROJECT NO. G2746-62-01A

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. G2746-62-01A
May 18, 2022

Lennar
16465 Via Esprillo, Suite 150
San Diego, California 92127

Attention: Mr. David Shepherd

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

Dear Mr. Shepherd:

In accordance with your request and our Proposal No. LE-22151 dated April 6, 2022, we have performed a Phase I Environmental Site Assessment (ESA) of the property and improvements at 12623 Oak Knoll Road (the Site) in Poway, California.

We performed the Phase I ESA to provide information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site as part of Lennar's due diligence prior to purchasing the Site. The accompanying report presents the details of our Phase I ESA.

We appreciate the opportunity to have performed this Phase I ESA for Lennar. Please contact us if you have any questions concerning this report or if we may be of further service.

Very truly yours,

GEOCON INCORPORATED

Cole E. Mikesell
Senior Staff Geologist

Troy K. Reist, CEG, MBA
Senior Geologist

CEM:TKR:am

(e-mail) Addressee

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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

1. INTRODUCTION

We have performed a Phase I Environmental Site Assessment (ESA) of the property located at 12623 Oak Knoll Road (the Site) in Poway, California. Lennar (the Client) requested the Phase I ESA to provide information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site as part of their due diligence prior to purchasing the Site. This report describes the methodology and procedures and present the findings of the Phase I ESA.

1.1 Purpose and Objectives

The purpose of the Phase I ESA was to identify evidence or indications of 'recognized environmental conditions' (RECs) as defined by the American Society for Testing and Materials (ASTM) *Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Section 1.1.1 of *ASTM Designation E 1527-13* defines an REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." De minimis conditions are those that generally do not present a threat to human health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

ASTM *Designation E 1527-13* also defines 'Historical' and 'Controlled' RECs. They define an 'Historical REC' (HREC) as "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." ASTM defines a 'Controlled REC' (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." An HREC is not an REC if a property meets current standards for unrestricted residential use. A CREC remains an REC by definition when the property does not meet the unrestricted residential use requirements unconditionally.

We also conducted the Phase I ESA in general accordance with the requirements of 40 Code of Federal Regulations (CFR) Part 312 titled *Standards and Practices for All Appropriate Inquiries*, as required under Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The purpose of conducting an all appropriate inquiries investigation into the previous ownership and uses of a property is to meet the provisions necessary for the landowner, contiguous property owner, and/or bona fide prospective purchaser to qualify for certain landowner liability protections under CERCLA.

The following principles are an integral part of ASTM *Designation E1527-13*:

- **"Uncertainty Not Eliminated -** No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost."

- **"Not Exhaustive -** All Appropriate Inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information."

- **"Level of Inquiry is Variable -** Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry."

1.2 Scope of Services

We performed the scope of services outlined in our Proposal No. LE-22151 dated April 6, 2022, with the exception that we did not review Sanborn fire insurance maps, as Environmental Data Resources, Inc. (EDR) indicated that there are none available for the Site or surrounding vicinity. The main components of the Phase I ESA and their objectives, as specified by the referenced standards, include the following:

- **Physical Setting Review:** we reviewed physical setting references for information concerning the topographic, geologic, and hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of pathways (i.e., direction and/or extent) that a contaminant could migrate along in the event of a spill or release.

- **Regulatory Agency Records Review:** we reviewed publicly available Federal, State, and local regulatory agency records for information regarding the use, storage, and disposal of

hazardous substances and/or petroleum products at the Site and facilities and properties adjoining or within ¼ mile of the Site. Such records may identify RECs at or potentially affecting the Site.

- **Site History Review:** we reviewed information regarding the historical uses of the Site and adjoining and nearby facilities and properties back to the Site's and other properties' first use or 1940, whichever is earlier, that could have led to RECs on or near the Site. Historical sources reviewed included aerial photographs, topographic maps, and city directories. In addition, we conducted interviews with persons who were expected to be reasonably knowledgeable about historical and/or current conditions at and uses of the Site.

- **Site Reconnaissance:** we performed a site reconnaissance to observe site conditions and activities for evidence of RECs. The site reconnaissance was for the Site only. We viewed offsite properties and features solely from the vantage of the Site and public thoroughfares.

1.3 Report Limitations

We prepared this Phase I ESA report exclusively for the Client. The information obtained is only relevant for the dates of the records reviewed and the latest site visit. Therefore, the information contained herein is only valid as of the date of the report and may require an update after 180 days to reflect updated records and another reconnaissance to assess current site conditions.

The Client should recognize that a Phase I ESA is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the site reconnaissance, information in the specified regulatory records, and information regarding the historical usage of the Site, as presented in this report. The Client should also understand that wetlands, asbestos-containing building materials, lead-containing paint, lead in drinking water, radon, mercury related to mining activities, methane, and mold surveys were not included in the scope of services for this Phase I ESA. Assessment for potential naturally occurring hazards such as asbestos and arsenic was also not included.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the Phase I ESA is implied within this report or any subsequent reports, correspondence or consultation, either express or implied. We strived to conduct the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

1.4 Data Gaps

A data gap is defined by ASTM *Designation E 1527-13* as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps could include such things as insufficient historical information, the inability to interview persons with direct site knowledge (e.g., the owner(s), past owner(s), tenants, workers,

etc.) or the lack of access to all parts of a site during the site reconnaissance. As indicated in Section 1.2, we did not review Sanborn fire insurance maps for the Site and surrounding vicinity because there are none for the Site and vicinity. In addition, we were not granted full access to the residence, storage sheds and rear portion of the yard. We do not consider these items significant data gaps due to other available information and observations made during our reconnaissance.

2. SITE DESCRIPTION

This section provides information regarding the location and physical characteristics of the Site including its size, topography, geologic, soil, and hydrogeologic conditions.

2.1 Location and Legal Description

The 0.2-acre Site is located at 12623 Oak Knoll Road in Poway, California (Figure 1). The Site is situated north of Poway Creek and south of Oak Knoll Road. The San Diego County assessor's parcel number (APN) for the Site is 317-501-02. A copy of the parcel map is in Appendix A.

The Site is depicted in the southeastern quarter of Section 14 of Township 14 South, Range 2 West, San Bernardino Base and Meridian on the United States Geological Survey's (USGS) *Poway, California,* 7.5-minute topographic map (USGS, 2018).

2.2 Site and Vicinity General Characteristics

The Site is developed with a single-family residence. The surrounding vicinity includes single- and multi-family residences. Figure 2 depicts the site boundaries and features and surrounding properties. Further site description is provided in Sections 2.4 and 6.

2.2.1 Topography

The topography of the site vicinity consists of a relatively flat-lying area. The Site generally slopes to the south towards Poway Creek. The USGS *Poway, California,* 7.5-minute topographic map (USGS, 2018), depicts the elevation of the Site as approximately 450 feet above mean sea level.

2.2.2 Geologic and Soil Conditions

The Site is located in the Peninsular Ranges geomorphic province of Southern California (Norris and Webb, 1990). This geomorphic province extends approximately 900 miles from its northern terminus against the Transverse Ranges and Los Angeles Basin, south to the tip of Baja California. In general, the province is characterized by rugged mountains in Mesozoic igneous and metamorphic rocks to the east, with a dissected coastal plain on Cenozoic sediments to the west. The Peninsular Ranges vary in

width from approximately 30 to 100 miles, and are traversed fault zones trending roughly northwest-southeast.

Information concerning the surficial geologic conditions at and in proximity to the Site from the *Geologic Map of the Oceanside 30' X 60' Quadrangle, San Diego County, California* (USGS, 2005) indicates that the Site is underlain by Holocene and late-Pleistocene flood plain deposits, which are typically poorly consolidated, poorly sorted, and permeable.

Information concerning the soil conditions at and in proximity to the Site from the United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm) indicates that site soil is Placentia sandy loam and Visalia sandy loam, which are both well drained and have low infiltration rates.

2.2.3 Hydrologic and Hydrogeologic Conditions

Groundwater quality and occurrence information available from the California Department of Water Resources and the California State Water Resources Control Board (SWRCB) indicates that the Site is located in the Poway Hydrologic Area (906.20) of the Penasquitos Hydrologic Unit (906.00). Groundwater in the Poway Hydrologic Area has existing beneficial use designations for municipal, agricultural, and potential beneficial use for industrial supply purposes (SWRCB, 2022).

In an effort to assess local groundwater conditions, we reviewed reports available on the SWRCB's GeoTracker online database (http://geotracker.waterboards.ca.gov) for nearby facilities with a groundwater monitoring well array. Nine groundwater monitoring wells were installed west of the Site in 2006 related to assessment of County of San Diego Department of Environmental Health (DEH) Leaking Underground Storage Tank (LUST) case #H05705-001 (described further in Section 4.1.1). The depth to groundwater within these wells was reported to range approximately between 7 feet and 18 feet with groundwater flow towards the west-southwest.

2.3 Current and Planned Uses of the Site

The current use of the Site is residential. The Client reported that they plan to develop the Site for residential use as part of their overall Oak Knoll residential development project. Further description of the Site is provided in Section 6.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

The Site is improved with a single-family residence and associated improvements. Further description of the Site is provided in Section 6.3.

2.5 Current Uses of Adjoining Properties

Current uses of adjoining properties are primarily single- and multi-family residential. Further information regarding adjoining properties is provided in Section 6.4.

3. USER–PROVIDED INFORMATION

This section summarizes site information provided by the Client – the "user" of this Phase I ESA. Also provided are responses to inquiries to the Client via a "user" questionnaire for information pertaining to the Site. David Shepherd with Lennar completed the questionnaire (Appendix B).

3.1 Title, Appraisal and Sale Agreement Records

Mr. Shepherd provided a Preliminary Title Report (PTR) for the Site prepared by Chicago Title Company and dated March 30, 2022. The PTR indicates that the site parcel is owned by Sherry Anne Urena and Susan Lynn Roschke, Successor Trustees of the Harmon Family Trust Agreement. The PTR identifies no issues regarding the environmental condition of the Site.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Shepherd indicated that he has no knowledge of environmental liens on or activity and use limitations for the Site.

3.3 Specialized Knowledge

Mr. Shepherd indicated he has no specialized knowledge of the Site.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Shepherd indicated he is not aware of commonly known or reasonably ascertainable information pertaining to the Site.

3.5 Owner, Property Manager, and Occupant Information

Mr. Shepherd indicated the Site is owned by the Harmon Family Trust Agreement.

3.6 Valuation Reduction for Environmental Issues

According to Mr. Shepherd, he is unaware if the monetary value of the Site has been reduced due to environmental issues.

3.7 Reason for Performing the Phase I ESA

The Phase I ESA was requested to provide information regarding the potential for existing hazardous substance and/or petroleum product impacts at the Site for pre-acquisition due diligence purposes.

4. RECORDS REVIEW

This section summarizes information we obtained from readily available agency records for the Site and properties and facilities in the surrounding vicinity.

4.1 Standard Environmental Record Sources

EDR searched federal, state, and local databases regarding the use, storage, disposal, or release of hazardous substances and/or petroleum products for the Site and area within one mile of the Site. The databases that list the Site and/or properties/facilities within one mile of the Site and the number of properties/facilities listed are summarized in the table below. A copy of *The EDR Radius Map™ Report with GeoCheck*, dated April 11, 2022, is in Appendix C.

Database Name	Search Radius (Mile)	Number of Listings
STATE AND LOCAL DATABASES		
CA ENVIROSTOR (Department of Toxic Substance Control Database)	1	1
SAN DIEGO CO. SAM (Diego County Site Assessment and Mitigation Program)	½	15
LUST (Leaking Underground Storage Tanks)	½	17
CA SLIC (Spills, Leaks, Investigation, and Cleanup Program)	½	7
CA UST (Underground Storage Tanks)	¼	2
CA AST (Aboveground Storage Tanks)	¼	2
US BROWNFIELDS	½	46
CERS HAZ WASTE	¼	7
CERS TANKS	¼	2
CORTESE	½	12
HIST CORTESE	½	10
CA SWEEPS UST (Statewide Environmental Evaluation and Planning System)	¼	3
RCRA-NonGen (Resource Conservation and Recovery Act – Non-Generators)	½	32
CA Notify 65	1	1

4.1.1 Site

The Site is not listed on any of the databases searched by EDR.

4.1.2 Offsite Properties

The following table summarizes information provided in the EDR report for listed properties/facilities that are located less than ¼ mile from the Site and are listed on various release-related databases[1]. Properties/facilities located within a ¼ mile and not listed on a release-related database[1] are not included in the table below and are unlikely to have caused an REC at the Site. Distances reported by EDR may differ from actual distances.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Firestone Complete Auto Care / L&M Tire Company Inc. / Express Tire / Eagle Tire Company 12619 Poway Road	1,022 feet north Cross-gradient	US Brownfields FINDS RCRA NonGen / NLR LUST San Diego Co. SAM San Diego Co. HMMD SWEEPS UST CORTESE HIST CORTESE HWTS CERS HAZ WASTE HAZNET San Diego Co. LOP CERS	These listings are in reference to DEH case #H16311-001 which was opened when a 500-gallon waste oil tank was removed from the property on June 5, 1987. Soil sampling in April of 1991 revealed TPH levels at 11.1 ppm at 7' below grade in the former tank excavation area. Concentrations of BTXE, PCB, and organic lead in soil were all below the laboratory detection limits. Depth to groundwater was reported to be between 16-17 feet below grade. The closed regulatory status of the LUST case indicate that this facility is unlikely to have caused an REC at the Site.

[1] "Release" refers to an unauthorized release of a petroleum product or hazardous substance to the environment - i.e. the ground surface, soil, soil vapor, groundwater, or surface water on a property. "Release-related database" refers to those which provide information regarding an unauthorized release. "Non-release-related database" refers to those that may report use, storage, or disposal of hazardous substances and/or petroleum products or other environmental conditions, but do not report releases of such.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Regent Oil / Chiefs' Regent / APRO LLC DBA United Oil 23 12462 Poway Road	1,154 feet northwest Downgradient	LUST San Diego Co. HMMD San Diego Co. SAM San Diego Co. LOP UST RCRA NonGen / NLR FINDS US Brownfields CERS HAZNET CERS TANKS CERS HAZ WASTE HWTS CORTESE HIST CORTESE EMI SWEEPS UST	These listings are in reference to DEH case #H03486-001 in which two 10,000-gallon gasoline USTs, a 10,000-gallon diesel UST, and a 250-gallon used oil UST were removed in December 1998. Soil samples taken after the removal of the tanks revealed petroleum hydrocarbons near the excavation area. Groundwater monitoring and soil sampling was performed on the Site from 1999 to 2015 when the California Regional Water Quality Control Board granted case closure. The HMMD listing provides information regarding inspection violations at this facility including failure of the pressurized piping to meet one or more of the regulatory requirements, failure of the leak detection equipment to be properly programmed or properly operated, failure to notify the CUPA the prescribed number of hours prior to testing, and failure to properly label hazardous waste accumulation containers with the required information. The distance from the Site and the closed regulatory status of the LUST case suggest that this facility is unlikely to have caused an REC at the Site.
Tune Craft / Poway City Redevelop 12430 Poway Road	1,207 feet northeast Downgradient	San Diego Co. SAM San Diego Co. HMMD San Diego Co. LOP CPS-SLIC LUST CERS HWTS ENVIROSTOR SWEEPS UST CORTESE	These listings are in reference to DEH case #H32109-001. Information provided suggest that the contamination at this facility likely originated from four other off-site USTs listed under case numbers #H20710-001 and #H13170-001. No on-site uses of contaminants of concern are noted. The closed regulatory status of the LUST case and lack of evidence of contamination originating from this facility suggest that it is unlikely to have caused an REC at the Site.

Other properties and facilities within 1/4-mile of Site are listed on various non-release-related databases[1] and therefore are not anticipated to have caused an REC at the Site.

4.1.3 Orphan Summary

EDR's Orphan Summary identifies properties with incomplete address information and therefore cannot be accurately plotted. Four properties are listed but because none are listed on any release-relate databases[1], none are suspected of having caused an REC at the Site.

4.2 Additional Environmental Record Sources

This section summarizes information from additional, readily available environmental record sources regarding the Site and properties/facilities within one mile from the Site.

4.2.1 GeoTracker and EnviroStor Databases

We reviewed GeoTracker and the California Department of Toxic Substance Control's (DTSC) EnviroStor online database (http://www.envirostor.dtsc.ca.gov/public/) for information regarding the Site and nearby properties/facilities that are within ¼ mile of the Site. GeoTracker lists three LUST properties/facilities within ¼ mile of the Site all three of which have been granted regulatory closure. Information regarding these three LUST facilities is summarized in Section 4.1.2. EnviroStor lists one facility within ¼ mile of the Site, which is summarized in Section 4.1.2.

4.2.2 State of California Department of Conservation, Geologic Energy Management Division

We reviewed the California Geologic Energy Management Division (CalGem) website (https://maps.conservation.ca.gov/doggr/wellfinder) to evaluate the potential for existing/former oil, gas, or geothermal wells on the Site or properties proximal to the Site. CalGem information indicates that no former or current wells are or were located within one mile of the Site.

4.2.3 County of San Diego Department of Agriculture, Weights and Measures

We submitted a request to the County of San Diego, Department of Agriculture, Weights and Measures (DAWM), Pesticide Use Enforcement Division regarding possible use of restricted pesticides/herbicides at the Site. That office maintains such records for approximately 4 years. The DAWM indicated that no record of restricted pesticide/herbicide use was reported for the site APNs for the period of 2017 through 2022.

4.2.4 San Diego Air Pollution Control District

We submitted a request to the San Diego Air Pollution Control District (APCD) for records pertaining to the Site. The APCD indicated that no records are on file for the site APNs.

4.2.5 County of San Diego Department of Environmental Health

We submitted a request to the DEH for records pertaining to the Site. The DEH indicated that no records are on file for the site APNs.

4.2.6 San Diego Gas and Electric Company

No transformers were observed onsite or were likely on the Site previously. Therefore, San Diego Gas & Electric Company was not contacted as part of this assessment.

5. HISTORICAL USE

This section summarizes information obtained from a variety of sources regarding the historical uses of the Site in an effort to identify those uses that could have led to RECs. The sources of information included historical aerial photographs, historical topographic maps, and an abstract of city directories provided by EDR.

5.1 Aerial Photographs

We reviewed historical aerial photographs for the years 1939, 1949, 1953, 1964, 1966, 1970, 1979, 1985, 1989, 1996, 2002, 2005, 2009, 2012 and 2016 (Appendix D) for indications of past land uses that had the potential to have impacted the Site through the use, storage or disposal of hazardous substances and/or petroleum products. The following table summarizes our observations of the Site and adjacent properties.

Year	Observations	
	Site	**Adjacent Properties**
1939 (1" = 500')	The Site appears to have been undeveloped land.	The adjacent properties to the northeast and east appear to have been used for agricultural purposes. Poway Creek is adjacent to the south of the Site, with undeveloped land adjacent to the west.
1949 (1" = 500')	Conditions appear to have been similar to those observed on the 1939 aerial photograph.	Conditions appear to have been similar to those observed on the 1939 aerial photograph with the exception that the agricultural use of the adjacent properties to the northeast and east appear to have ceased. A single structure is now present on the adjacent property to the east of the Site.
1953 (1" = 500')	Conditions appear to have been similar to those observed on the 1949 aerial photograph.	Conditions appear to have been similar to those observed on the 1949 aerial photograph.

Year	Observations	
	Site	**Adjacent Properties**
1964 (1” = 500’)	Conditions appear to have been similar to those observed on the 1953 aerial photograph with the exception that a single-family residence is now present at the Site.	Conditions appear to have been similar to those observed on the 1949 aerial photograph with the exception that the property adjacent to the north-northwest of the Site appears to have begun development for future use. Multiple residences are now present on the adjacent property to the northeast of the Site. The adjacent properties to the south beyond Poway Creek appear to have been developed for single-family residences.
1966 (1” = 500’)	Conditions appear to have been similar to those observed on the 1964 aerial photograph.	Conditions appear to have been similar to those observed on the 1964 aerial photograph.
1970 (1” = 500’)	Conditions appear to have been similar to those observed on the 1966 aerial photograph.	Conditions appear to have been similar to those observed on the 1966 aerial photograph.
1979 (1” = 500’)	Conditions appear to have been similar to those observed on the 1970 aerial photograph.	Conditions appear to have been similar to those observed on the 1970 aerial photograph with the exception that the properties further to the west appear to have been developed for multi-family residential use.
1985 (1” = 500’)	Conditions appear to have been similar to those observed on the 1979 aerial photograph.	Conditions appear to have been similar to those observed on the 1979 aerial photograph with the exception that the adjacent property to the northeast appears to have been developed for multi-family residential use.
1989 (1” = 500’)	Conditions appear to have been similar to those observed on the 1985 aerial photograph.	Conditions appear to have been similar to those observed on the 1985 aerial photograph.
1996 (1” = 500’)	Conditions appear to have been similar to those observed on the 1989 aerial photograph.	Conditions appear to have been similar to those observed on the 1989 aerial photograph.
2002 (1” = 500’)	Conditions appear to have been similar to those observed on the 1996 aerial photograph.	Conditions appear to have been similar to those observed on the 1996 aerial photograph.
2005 (1” = 500’)	Conditions appear to have been similar to those observed on the 2002 aerial photograph.	Conditions appear to have been similar to those observed on the 2002 aerial photograph.
2009 (1” = 500’)	Conditions appear to have been similar to those observed on the 2005 aerial photograph.	Conditions appear to have been similar to those observed on the 2005 aerial photograph.
2012 (1” = 500’)	Conditions appear to have been similar to those observed on the 2009 aerial photograph.	Conditions appear to have been similar to those observed on the 2009 aerial photograph.
2016 (1” = 500’)	Conditions appear to have been similar to those observed on the 2012 aerial photograph.	Conditions appear to have been similar to those observed on the 2012 aerial photograph.

We observed no conditions on or uses of the Site or adjoining properties on the historical aerial photographs with the potential to have caused an REC at the Site.

5.2 Topographic Maps

We reviewed historical topographic maps for the years 1903, 1930, 1942, 1952, 1967, 1975, 1996, 2012, 2015, and 2018 (Appendix E). The following table summarizes observations of the Site and adjacent properties on the historical topographic maps.

Year	Observations	
	Site	**Adjacent Properties**
1903 (1:62,500)	No structures or land use are depicted on the Site.	No structures or land use are depicted on the adjacent properties.
1930 (1:62,500)	Conditions are similar to those depicted on the 1903 topographic map.	Conditions are similar to those depicted on the 1903 topographic map.
1942 (1:31,680)	Conditions are similar to those depicted on the 1930 topographic map.	Conditions are similar to those depicted on the 1930 topographic map with the exception that Oak Knoll Road is now depicted adjacent to the north of the Site. A single structure is also now depicted on the adjacent property to the east of the Site.
1952 (1:24,000)	Conditions are similar to those depicted on the 1942 topographic map.	Conditions are similar to those depicted on the 1942 topographic map with the exception that two structures are depicted on the adjacent property to the northeast of the Site.
1967 (1:24,000)	Conditions are similar to those depicted on the 1952 topographic map with the exception that a single-family residence is depicted at the Site.	Conditions are similar to those depicted on the 1952 topographic map with the exception that the properties adjacent to the south beyond Poway Creek are now depicted with single-family residences.
1975 (1:24,000)	Conditions are similar to those depicted on the 1967 topographic map.	Conditions are similar to those depicted on the 1967 topographic map.
1996 (1:24,000)	The Site is shaded pink indicating an urban environment.	The adjacent properties are shaded pink indicating an urban environment.
2012 (1:24,000)	No shading or structures are depicted.	No shading or structures are depicted.
2015 (1:24,000)	No shading or structures are depicted.	No shading or structures are depicted.
2018 (1:24,000)	No shading or structures are depicted.	No shading or structures are depicted.

The historical topographic maps depict no conditions, structures, or uses on the Site or adjacent properties that would suggest the presence of RECs.

5.3 City Directories

EDR prepared an abstract of city directories including city, cross-reference, and telephone directories summarized in the *EDR-City Directory Image Report* dated April 14, 2022. The directories were reviewed at approximately 5-year intervals, if available, from 1971 to 2017. A copy of the EDR city directory abstract including information regarding offsite facilities is in Appendix F. The Site and adjacent properties are all listed under various residential names from the year 1971 to 2017. No nearby businesses listed are suspected of having caused an REC at the Site.

6. SITE RECONNAISSANCE

This section summarizes observations of the Site and surrounding properties made during the site reconnaissance.

6.1 Methodology and Limiting Conditions

Troy Reist, Senor Geologist with Geocon, performed the site reconnaissance unaccompanied on May 17, 2022, by walking the Site. Mr. Reist performed the offsite survey by observing adjacent properties from the Site and adjacent public streets. Weather on the day of the site reconnaissance was clear with temperatures in the mid-70s. Photographs of various site features and offsite properties are appended. Figure 2 is a Site Plan illustrating selected site features.

6.2 General Site Setting

The Site is located in an area of predominantly residential use. The Site is adjacent to Poway Creek to the south and a vacant parcel to the west.

6.3 Onsite Survey

The Site is relatively flat, which slopes gently to the south towards Poway Creek and is developed with a single-family residence (Photographs 1 through 5). Several storage sheds and shade structures were observed in the rear portion of the yard. (Photographs 6 and 7). We were not provided access to the residence, storage sheds or rear portion of the Site at the time of our reconnaissance, which is considered a data gap. Therefore, our observations were made along the perimeter of the Site. If access is granted in the future, this report can be updated accordingly, if necessary.

We observed no odors, pools of liquid, significantly stained soil or distressed vegetation on the Site. We observed no evidence of RECs on the Site.

6.4 Offsite Survey

Properties, improvements and/ or features within the site vicinity include:

- **North:** Oak Knoll Road, beyond which are single and multi-family residences (Photograph 8).
- **South:** Poway Creek, beyond which are single-family residences (Photograph 9).
- **East:** Single-family residences (Photograph 10).
- **West:** Vacant parcel, beyond which are multi-family residences (Photograph 11).

We observed no evidence of RECs on the surrounding properties.

7. INTERVIEWS

The current property owner, Sherry Urena, reported via a site owner/occupant questionnaire (Appendix B) that the Site is currently used as a rental house and has been used as such since their parents purchased it in approximately 1968. Ms. Urena indicated that she has never occupied the Site, but reported that there are two existing structures on the property, a small cottage and a shed. The property is currently on sewer via the City of Poway, but Ms. Urena is unsure if a septic tank has existed on the property in the past. The owner/occupant questionnaire identifies no environmental concerns.

8. SUMMARY OF FINDINGS

The following table summarizes our findings and opinions regarding the Site, including known or suspect RECs, CRECs, HRECs, and de minimis environmental conditions.

Assessment Category	Observed (Y/N)	(REC/ CREC/ HREC/ DM or None)	Recommended Actions	Report Section(s)
Hazardous Substances/Petroleum Products	N	N	NFA	
Hazardous Wastes	N	N	NFA	
Non-Hazardous Wastes	N	N	NFA	
Aboveground/Underground Storage Tanks	N	N	NFA	
Unidentified Substance Containers	N	N	NFA	
Equipment Potentially Containing PCBs	N	N	NFA	
Wastewater Systems	N	N	NFA	
Evidence of Releases	N	N	NFA	
Pools of Liquid, Pits, Ponds, Lagoons	N	N	NFA	
Wells	N	N	NFA	
Other Site Issues	N	N	NFA	
Nearby Properties	N	N	NFA	
Historical Land Use – Site	N	N	NFA	
Historical Land Use – Nearby Properties	**Y**	**N**	**NFA**	**4.1.2, 5.1**

Recommended Action:
AA = Additional action recommended.
NFA = No further action required at this time.
DM = De minimis condition where additional activities do not appear warranted at this time.

We observed no evidence of RECs or de minimis environmental conditions at the Site.

9. CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA, in general conformance with the scope and limitations of ASTM E 1527-13, of the 0.2-acre property located at 12623 Oak Knoll Road in Poway, California. The San Diego County APN for the Site is 317-501-02.

This Phase I ESA identified no evidence of RECs in connection with the Site. Therefore, additional environmental assessment does not appear to be warranted at this time.

If soil staining or petroleum odors are observed during grading observations, we recommend retaining Geocon to observe and possibly sample areas of potential impact to determine if further action is warranted. Additionally, any undocumented subsurface structures or areas of apparent contamination encountered during site redevelopment activities including septic tanks, USTs, wells, etc. should be properly abandoned/removed in accordance with San Diego County regulatory requirements. In addition, we were not provided access to the residence, storage sheds or rear portion of the Site at the time of our reconnaissance, which is considered a data gap. If access is granted in the future, this report can be updated accordingly, if necessary.

10. REFERENCES

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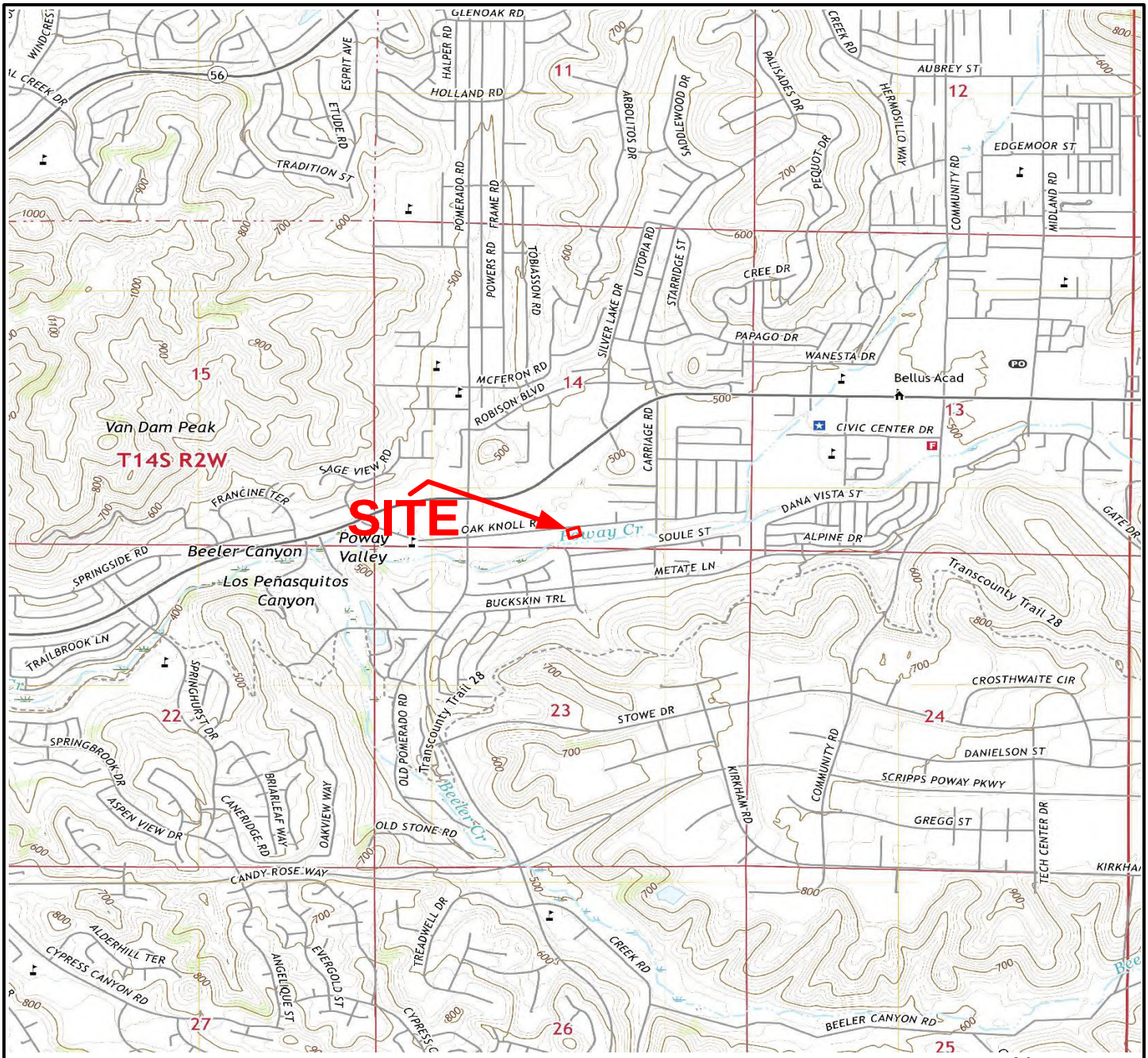
11. QUALIFICATIONS

This Phase I ESA report was prepared by Cole E. Mikesell with oversight by Troy K. Reist, CEG. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience, to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. Mikesell has a BS degree in Geology with an emphasis in Environmental Geosciences. Mr. Mikesell is a certified Geologist-In-Training in the State of California. Mr. Mikesell has 5 years of experience in the geotechnical and environmental consulting industry. He has performed exploratory drilling, infiltration testing, foundation and earthworks observation, and prepared Phase I and Phase II ESAs throughout southern California.

Mr. Reist is a Professional Geologist and Certified Engineering Geologist, with a BS degree in Geology and has over 24 years of experience in the geotechnical and environmental consulting industry in California. Mr. Reist investigates, remediates and manages geotechnical and environmental issues on residential, commercial, industrial, and agricultural properties throughout southern California.



Base Map:
USGS Topographic Map, 7.5-minute Series
Poway, CA
Scale 1:24,000

N

NO SCALE

VICINITY MAP

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CEM		

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

MAY 2022	PROJECT NO. G2746-62-01A	FIG. 1

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

THE GEOGRAPHICAL INFORMATION MADE AVAILABLE FOR DISPLAY WAS PROVIDED BY GOOGLE EARTH, SUBJECT TO A LICENSING AGREEMENT. THE INFORMATION IS FOR ILLUSTRATIVE PURPOSES ONLY; IT IS NOT INTENDED FOR CLIENT'S USE OR RELIANCE AND SHALL NOT BE REPRODUCED BY CLIENT. CLIENTS SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS GEOCON FROM ANY LIABILITY INCURRED AS A RESULT OF SUCH USE OR RELIANCE BY CLIENT.

GEOCON LEGEND

11 - APPROXIMATE LOCATION AND DIRECTION OF PHOTOGRAPH

N

NOT TO SCALE

SITE PLAN

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FIGURE 2
DATE MAY 2022

Photograph #1
View of single-family residence at 12623 Oak Knoll Road

Photograph #2
View to the east along the northern boundary of the Site.

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SITE PHOTOGRAPHS

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

PROJECT NO. G2746-62-01A

Photograph #3
View to the south along the western boundary of the Site.

Photograph #4
View to the south along the eastern boundary of the Site.

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SITE PHOTOGRAPHS

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

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Photograph #5
View to the east along the southern boundary of the Site.

Photograph #6
View to the south of storage shed and shade structures in the rear portion of the Site.

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12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

PROJECT NO. G2746-62-01A

Photograph #7

View to the southwest of storage sheds and shade structures in the rear portion of the Site.

Photograph #8

View to the north of Oak Knoll Road, beyond which are multi-family residences.

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SITE PHOTOGRAPHS

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

PROJECT NO. G2746-62-01A

Photograph #9
View to the southeast of Poway Creek.

Photograph #10
View to the southeast of adjacent single-family residence.

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SITE PHOTOGRAPHS

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

PROJECT NO. G2746-62-01A

Photograph #11

View to the west of vacant parcel, beyond which are multi-family residences.

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CEM	MAY 2022

SITE PHOTOGRAPHS

12623 OAK KNOLL ROAD
POWAY, CALIFORNIA

PROJECT NO. G2746-62-01A

APPENDIX A

317-50

317-50
SHT 20F2

CARRIAGE RD.

1" = 100'

N

11/22/02 JGRO

50
SHT. 1

OAK KNOLL RD.

N 83° 18' 50" E

N 83°20'E REC.

N83°49'36"E

N76°47'57"E 1586.58' FR INT C/L MISSION RD & L-A W'LY LI SEC 14

142.01

100

242.01

27.41

R=38.70

65.70

R.S. 1531

42

55

W.LI. OF E.1/2

N0°43'E REC.

217.80

S0°43'W

90

2

1

1.59 AC.

242.01

85±

80±

N0°43'E

217.80

3

0.61 AC.

4

0.61 AC.

242.01

217.85

SEC 14

M14479

N 83° 20' E

900.13

658.12

416.11

N83°49'36"E(MP)

N49°43'17"E

N60°12'58"E(MP)

89.22

N71°17'35"E(MP)

377.90

N 70°47'59"E

S 89°21'E

SEC 14

M14479

N01°06'12"E

41.38

0.65

101.99

40

S0°39'E

7

2.96 AC.

501

A

24

1.72 AC

OPEN SPACE

1	2	3	4	5	6	7	8	9	10	11	12	13
63	55	55	63	55	55	73	55	55	63	55	55	68.76
11	12	13	14	15	16	17	18	19	20	21	22	23
91.50	91.50	91.50	91.50	91.50	91.50	91.50	91.50	91.50	91.50	84	84	
74.86	55	55	63	55	55	73	55	55	63	37.95	55	194.94

603.86

18.62

CHANGES

BLK	OLD	NEW	YR	CUT
500	POR. 1573	501 1-7	74	10046
	5	ONLY 8,9	-	
501	5,6	9,10	74	4422
501	9&10	11-24	03	132

N 83° 27' E (REC.)

N 83° 26' 40" E (MAP 4442)

SE COR OF DOC 70-21960 & 61

N LI OF M4442

310

MONTAUK ST.

CARRIAGE RD.

21

34

35

D.T.D. 10-19-73

SAN DIEGO COUNTY ASSESSOR'S MAP BK 317 PG 50 SHT 2 OF 2

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

MAP 14479—POWAY TCT NO 01—01 OAK KNOLL VILLAGE
SEC 14 - T14S-R2W - POR S 1/4

APPENDIX B

CLIENT–PROVIDED INFORMATION FOR THE SITE

SITE: SITE: 12623 Oak Knoll Road, Poway, CA; Project No. G2746-62-01A

***Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".**

1. If possible, please provide us with the title, appraisal, or sale agreement records to review and discuss in the Phase I ESA.
   PTR requested of Title Co. Natural Hazard Disclosure distributed with this email. PTR will be sent once received from Title Co.

2. Are you aware of any environmental liens or activity and use limitations associated with the Site?
   No.

3. Do you have any specialized knowledge of the Site? No.

4. Please provide any commonly known or reasonably ascertainable information about the Site.
   Unknown

5. Who currently owns, manages, and operates the Site?
   Harmon Trust.

6. Has the monetary value of the Site been reduced due to environmental issues associated with the Site or adjacent properties? Unknown.

7. Why are you requesting a Phase I ESA for the Site? As part of due diligence evaluation for potential purchase of property for new residential community.

David W. Shepherd_____ ___4/11/2022_____
NAME (IN PRINT) DATE

Lennar Homes of CA, LLC
Director of Entitlements

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Troy Reist
Geocon Incorporated
reist@geoconinc.com
(858) 558-6900 ext 211

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR SITE OWNER, OCCUPANT, OR REPRESENTATIVE

SITE: 12623 Oak Knoll Road, Poway, CA; Project No. G2746-62-01A

*Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".

1) Describe the current uses of the Site. Rental house

2) How long has the Site been used for theses purposes? Parents purchased in 1968 (approximately)

3) How long have you occupied the Site? Never

4) List the existing structures on the property and their age. Small cottage & shed

5) Describe the past uses, owners, and operators of the Site. (Be as detailed as possible and note approximate time periods.) I don't know, we inherited the property. It's an old house.

6) Utilities including electricity, natural gas, water, sewer, and trash removal are provided to the Site by which utility/companies.

Water - City of Poway
Sewer - City of Poway
Electricity - SDGE
Natural Gas - SDGE
Trash – Edco

7) What type of heating, ventilating, and air conditioning (HVAC) system is located at the Site and how is the HVAC system powered? Portable heater, window AC

8) Have the Site or adjoining properties been used for industrial activities, such the following? (Please note that an adjoining property is a property that is contiguous with, or directly across the street from the Site.)

Gasoline Station	[ ] Yes [✓] No
Printing Facility	[ ] Yes [✓] No
Metal Plating Manufacturing	[ ] Yes [✓] No
Landfill	[ ] Yes [✓] No
Motor Repair Facility	[ ] Yes [✓] No
Dry Cleaners	[ ] Yes [✓] No
Junkyard	[ ] Yes [✓] No
Waste Treatment	[ ] Yes [✓] No
Storage, Disposal, or Recycling Facility	[ ] Yes [✓] No

Describe other industrial activities, if any.

9) Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped aboveground, buried, or burned on the Site?

[ ] Yes [✓] No

10) Have any of the following items been stored on the Site in containers greater than 5 gallons?

Paint [ ] Yes [✓] No
Chemicals [ ] Yes [✓] No
Pesticides [ ] Yes [✓] No

11) Are hazardous wastes generated at the Site? If yes, describe the means of disposal and frequency of disposal.

[ ] Yes [✓] No

12) Have petroleum products been stored on the Site or transferred across the Site in pipelines, either above or belowground?

[ ] Yes [✓] No

13) Has fill dirt been brought onto the Site from an offsite source?

[ ] Yes [✓] No

14) Is there evidence that the fill dirt in Question 13 may be contaminated?

[ ] Yes [✓] No

15) Are there currently any pits, ponds, or lagoons on the Site?

[ ] Yes [✓] No

16) Have any pits, ponds, or lagoons previously existed on the Site?

[ ] Yes [✓] No

17) Are there currently areas on the Site with stained soil?

[ ] Yes [✓] No

18) Have stained soils previously existed on the Site?

[ ] Yes [✓] No

19) Do chemical-containing underground or aboveground storage tanks exist, or have they existed previously on the Site?

[ ] Yes [✓] No

20) Do fill pipes, vent pipes, or access ways indicating the presence of current or former underground storage tanks exist on the Site?

[ ] Yes [✓] No

21) Have fill pipes or vent pipes which may indicate the presence of a current or former underground storage tank been removed from the Site?

[ ] Yes [✓] No

22) Are floor drains stained with anything other than water in any area on the Site?

[ ] Yes [✓] No

23) Do floor drains on the Site emit foul odors?

[ ] Yes [✓] No

24) Is the Site served by a private well or a non-public water source?

[ ] Yes [✓] No

25) Are contaminants known to exist in any private well or non-public water system serving the Site?

[ ] Yes [✓] No

26) Does the Site discharge wastewater, other than domestic wastewater or storm water, into the sewer?

[ ] Yes [✓] No

27) Other than permission for domestic hookup, have any city, county, or local permits for wastewater discharge been issued to the Site?

[ ] Yes [✓] No

28) Does a septic tank exist, or has one existed previously on the Site?

[ ] Yes [ ] No Do not Know, Currently on sewer

29) Do cesspools or cisterns currently exist on the Site?

[ ] Yes [✓] No

30) Have cesspools or cisterns previously existed on the Site?

[ ] Yes [ ] No Do not Know, house very old.

31) Other than storm water, does the Site discharge waste water onto the neighboring Site?

[ ] Yes [✓] No

32) Is there a transformer or capacitor that may contain PCBs on the Site?

[ ] Yes [✓] No

33) Is there hydraulic equipment such as automobile lifts or elevators on the Site?

[ ] Yes [✓] No

34) Are PCBs contained in hydraulic oil associated with hydraulic equipment located on the Site?

[ ] Yes [✓] No

35) Has an asbestos and/or lead-based paint survey been conducted at the Site? If so, what were the findings?

[ ] Yes [✓] No

36) Other than small quantities of legal pesticides used for landscape maintenance (e.g., Roundup), have pesticides, herbicides, or insecticides been applied on the Site?
[ ] Yes [✓] No

37) Are you aware of any environmental liens against the Site that are filed or recorded under federal, tribal, state, or local law?

[ ] Yes [✓] No

38) Have any environmental violations or citations associated with activities conducted on the Site been issued?

[ ] Yes [✓] No

39) Has the Site been included in other environmental assessments? If so, can copies of the reports be provided?

[ ] Yes [✓] No

40) Have other environmental assessments identified hazardous substances or petroleum products that exist, or may have existed on the Site?

[ ] Yes [✓] No

41) Are there any pending lawsuits that involve the release or threatened release of hazardous substances associated with the Site?

[ ] Yes [✓] No

42) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place on the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

[ ] Yes [✓] No

43) Are you aware of any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of hazardous substance releases or threatened hazardous substance releases?

[ ] Yes [✓] No

44) Do you have any specialized knowledge or experience related to the Site or nearby properties, including the knowledge of the chemicals and processes used by this type of business?

[ ] Yes [✓] No

45) Based in your knowledge or experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

[ ] Yes [✓] No

46) If the purchase price of the Site was below fair market value, did this occur because contamination was/is known or believed to be present on the Site?

[ ] Yes [✓] No [ ] N/A

Sherry Urena — April 17, 2022
NAME (IN PRINT) DATE

Sherry Urena, Trustee
SIGNATURE

[✓] Owner [ ] Occupant [ ] Owner Representative

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Troy Reist
Geocon Incorporated
reist@geoconinc.com
(858) 558-6900 ext 211

APPENDIX C

12623 Oak Knoll Road
12623 Oak Knoll Road
Poway, CA 92064

Inquiry Number: 6935042.2s
April 11, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting SSURGO Soil Map	A-5
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

12623 OAK KNOLL ROAD
POWAY, CA 92064

COORDINATES

Latitude (North):	32.9503250 - 32ˆ 57' 1.17''
Longitude (West):	117.0576210 - 117ˆ 3' 27.43''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	494614.2
UTM Y (Meters):	3645590.5
Elevation:	450 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11993864 POWAY, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
12623 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	317-540-71	12532-12604 OAK KNOL	US BROWNFIELDS, FINDS	Higher	212, 0.040, WNW
A2	RAY DAOEDSJAH	12616 SOULE STREET	RCRA NonGen / NLR	Lower	302, 0.057, SSE
A3	ANTHONY ANGELO	12628 SOULE STREET	RCRA NonGen / NLR	Lower	375, 0.071, SE
A4	ROBERT PFEIL	12611 SOULE ST	RCRA NonGen / NLR	Lower	421, 0.080, South
A5	JEFF HAYINE	12641 SOULE ST	RCRA NonGen / NLR	Lower	530, 0.100, SE
A6	RUFUS COOK	12626 TUSTIN STREET	RCRA NonGen / NLR	Higher	574, 0.109, SSE
B7	OAK KNOLL VILLAS	12509 OAK KNOLL RD	RCRA NonGen / NLR	Higher	702, 0.133, West
8	LEE, TERRI	12718 SOULE ST.	RCRA NonGen / NLR	Lower	725, 0.137, ESE
C9	317-540-63	12511 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	725, 0.137, NW
C10	JOE N.T. NGUYEN, DDS	12511 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	725, 0.137, NW
C11	SHERIN WILLIAMS #153	12511 POWAY RD	RCRA NonGen / NLR	Higher	725, 0.137, NW
12	LINDSEY OKEEFE	12711 TUSTIN ST.	RCRA NonGen / NLR	Higher	788, 0.149, SE
C13	317-540-64	12509 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	860, 0.163, NW
B14	OAK CREEK APARTMENTS	12455 OAK KNOLL RD,	RCRA NonGen / NLR	Higher	930, 0.176, West
B15	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B16	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B17	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B18	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B19	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B20	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B21	OAKCREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B22	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B23	OAK CREEK APTS.	12455 OAK KNOLL RD.	RCRA NonGen / NLR	Higher	930, 0.176, West
B24	OAK CREEK - MULTIPLE	12455 OAK KNOLL RD	RCRA NonGen / NLR	Higher	930, 0.176, West
C25	317-540-19	12510 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	957, 0.181, NW
D26	317-540-20	12538 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	994, 0.188, NNW
27	DAUER, DAVID & ANGEL	12737 LA VISTA WAY	RCRA NonGen / NLR	Higher	1000, 0.189, ENE
E28	317-490-17, -31	12605 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1019, 0.193, North
E29	FIRESTONE COMPLETE A	12619 POWAY RD	RCRA NonGen / NLR	Higher	1022, 0.194, North
E30	L&M TIRE COMPANY INC	12619 POWAY RD	RCRA NonGen / NLR	Higher	1022, 0.194, North
E31	EXPRESS TIRE	12619 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, SAN...	Higher	1022, 0.194, North
E32	317-490-41	12619 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1022, 0.194, North
E33	EAGLE TIRE COMPANY	12619 POWAY RD	LUST	Higher	1022, 0.194, North
E34	EXPRESS TIRE	12619 POWAY RD	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1022, 0.194, North
F35	EL DORADO COLLISION	12502 POWAY RD	RCRA NonGen / NLR	Higher	1041, 0.197, NW
F36	317-540-17, -18	12502 POWAY ROAD	US BROWNFIELDS, San Diego Co. HMMD, CERS HAZ...	Higher	1041, 0.197, NW
D37	13102 RIDGEDALE DR.	13102 RIDGEDALE DR.	RCRA NonGen / NLR	Higher	1055, 0.200, NNW
D38	317-460-09	13102 RIDGEDALE DRIV	US BROWNFIELDS, FINDS, ECHO	Higher	1055, 0.200, NNW
G39	317-540-27	12443 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1091, 0.207, WNW

MAPPED SITES SUMMARY

Target Property Address:
12623 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E40	317-460-08	12570 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1115, 0.211, NNW
G41	OIL CHANGERS #604	12459 POWAY ROAD	RCRA NonGen / NLR	Higher	1138, 0.216, WNW
G42	OIL CHANGER #604	12459 POWAY RD	AST	Higher	1138, 0.216, WNW
G43	317-540-26	12455 AND 12459 POWA	US BROWNFIELDS, FINDS	Higher	1138, 0.216, WNW
G44	OIL CHANGERS #604	12459 POWAY RD	AST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Higher	1138, 0.216, WNW
F45	REGENT OIL	12462 POWAY RD	LUST, San Diego Co. HMMD, SWEEPS UST, Cortese,...	Higher	1154, 0.219, NW
F46	QUAD ACE INC.	12462 POWAY RD	UST	Higher	1154, 0.219, NW
F47	APRO LLC DBA UNITED	12462 POWAY RD	RCRA NonGen / NLR	Higher	1154, 0.219, NW
F48	CHIEFS' REGENT	12462 POWAY RD	RCRA NonGen / NLR	Higher	1154, 0.219, NW
F49	UNITED #023	12462 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS TANKS,...	Higher	1154, 0.219, NW
F50	APRO #23	12462 POWAY RD	US BROWNFIELDS, FINDS	Higher	1154, 0.219, NW
F51	UNITED #023	12462 POWAY RD	UST	Higher	1154, 0.219, NW
F52	APRO 23	12462 POWAY RD	SAN DIEGO CO. SAM, SAN DIEGO CO LOP	Higher	1154, 0.219, NW
G53	317-540-30	12439 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1157, 0.219, WNW
F54	317-540-13, -72	12448 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1162, 0.220, WNW
G55	317-540-60	12440 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1194, 0.226, WNW
G56	TUNE CRAFT	12430 POWAY RD	ENVIROSTOR, LUST, SAN DIEGO CO. SAM, CPS-SLIC, San...	Higher	1207, 0.229, WNW
E57	317-490-71	12612 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1218, 0.231, North
E58	317-490-74	12600 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	1222, 0.231, North
G59	317-540-61, -62	12411 AND 12427 POWA	US BROWNFIELDS, FINDS	Higher	1223, 0.232, WNW
60	ROGER HEATH	12533 BUCKSKIN TRAIL	RCRA NonGen / NLR	Higher	1273, 0.241, South
H61	317-490-61	12651 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1298, 0.246, North
H62	WESTERN DENTAL SERVI	12649 POWAY RD	RCRA NonGen / NLR	Higher	1308, 0.248, North
H63	WESTERN DENTAL SERVI	12649 POWAY RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	1308, 0.248, North
H64	SENANG INVESTMENTS,	12629 POWAY ROAD	RCRA NonGen / NLR	Higher	1308, 0.248, North
H65	BIG 5 SPORTING GOODS	12630 POWAY RD	RCRA NonGen / NLR	Higher	1314, 0.249, North
H66	BIG 5 SPORTING GOODS	12630 POWAY RD	CERS HAZ WASTE, CERS	Higher	1314, 0.249, North
G67	317-540-47	12424 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1315, 0.249, WNW
H68	317-490-62	12657 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1373, 0.260, NNE
H69	317-490-14	12665 POWAY ROAD	RCRA-SQG, US BROWNFIELDS, San Diego Co. HMMD,...	Higher	1383, 0.262, NNE
H70	317-490-77, -78, -79	12600 BLOCK OF POWAY	US BROWNFIELDS	Higher	1443, 0.273, North
I71	CHEVRON #94955	12410 POWAY RD	SAN DIEGO CO. SAM, San Diego Co. HMMD, SWEEPS UST,...	Higher	1448, 0.274, WNW
I72	CHEVRON SERVICE STA	12410 POWAY RD	LUST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Higher	1448, 0.274, WNW
I73	317-540-46	12410 POWAY ROAD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Higher	1448, 0.274, WNW
J74	317-151-42, AND -43	12369 AND 12373 POWA	US BROWNFIELDS, FINDS	Higher	1552, 0.294, West
I75	WILLIAM P RACICOT DD	13029 POMERADO RD	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	1553, 0.294, WNW
J76	CIRCLE K STORE #2966	12906 POMERADO	RCRA-SQG, LUST, SAN DIEGO CO. SAM, CPS-SLIC, San...	Lower	1560, 0.295, West
J77	TOSCO/ CIRCLE K #296	12906 POMERADO RD	LUST	Lower	1560, 0.295, West
I78	317-151-47, -50, AND	12300 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	1584, 0.300, WNW

MAPPED SITES SUMMARY

Target Property Address:
12623 OAK KNOLL ROAD
POWAY, CA 92064

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J79	SHELL SVC STATION	12365 POWAY RD SAP N	SAN DIEGO CO. SAM, San Diego Co. HMMD, SWEEPS UST,...	Higher	1622, 0.307, WNW
J80	317-151-40	12365 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1622, 0.307, WNW
J81	SHELL OIL STATION	12365 POWAY RD	LUST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Higher	1622, 0.307, WNW
K82	317-490-75	12672 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1634, 0.309, North
83	317-151-59, AND 316-	12200 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	1664, 0.315, NW
I84	UNOCAL	13012 POMERADO RD	LUST, SWEEPS UST, HIST UST, EMI, CERS	Higher	1667, 0.316, WNW
I85	UNOCAL	13012 POMERADO	LUST, CPS-SLIC, HIST CORTESE, SAN DIEGO CO LOP	Higher	1667, 0.316, WNW
I86	317-153-08	13012 POMERADO ROAD	US BROWNFIELDS, FINDS, ECHO, EMI	Higher	1667, 0.316, WNW
I87	POWAY 76	13012 POMERADO RD	SAN DIEGO CO. SAM, San Diego Co. HMMD	Higher	1667, 0.316, WNW
I88	POWAY 76	13012 POMERADO RD	CERS HAZ WASTE, CERS TANKS, Cortese, HAZNET, CERS,...	Higher	1667, 0.316, WNW
K89	317-490-48	12711 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1680, 0.318, NNE
L90	POWAY ROAD STATION	12341 OAK KNOLL RD	CPS-SLIC, HIST UST, CERS	Lower	1693, 0.321, West
L91	COUNTY OF SD/POWAY R	12341 OAK KNOLL RD	LUST, SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co....	Lower	1693, 0.321, West
M92	317-490-49	12719 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1792, 0.339, NNE
N93	317-153-22	12380 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1800, 0.341, WNW
M94	317-490-08	12735 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1822, 0.345, NNE
N95	317-151-44	12339 POWAY ROAD	US BROWNFIELDS, FINDS	Lower	1861, 0.352, WNW
M96	317-490-65	12724 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	1908, 0.361, NNE
O97	317-490-42	12759 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2063, 0.391, NNE
O98	OAK KNOLL SQUARE	12759 POWAY RD	SAN DIEGO CO. SAM	Higher	2063, 0.391, NNE
O99	317-490-04, -06, -07	13206 CARRIAGE ROAD;	US BROWNFIELDS	Higher	2066, 0.391, NNE
O100	317-490-66, -73	12740 POWAY ROAD	RCRA-SQG, LUST, SAN DIEGO CO. SAM, AST, US...	Higher	2120, 0.402, NNE
O101	PERRY FORD OF POWAY	12740 POWAY RD	Cortese, HAZNET, HWTS	Higher	2120, 0.402, NNE
O102	317-490-02	12775 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2204, 0.417, NNE
O103	CONROYS FLOWERS	12775 POWAY RD	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	2204, 0.417, NNE
P104	317-153-18, -19, -20	12300 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Lower	2237, 0.424, WNW
P105	317-151-60	12255 POWAY ROAD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Lower	2384, 0.452, West
P106	SAN DIEGO VOLVO	12255 POWAY RD	LUST, San Diego Co. HMMD, SWEEPS UST, HIST CORTESE	Lower	2384, 0.452, West
P107	ALBA ACTION SPORTS	12255 POWAY RD	SAN DIEGO CO. SAM, San Diego Co. HMMD, Cortese,...	Lower	2384, 0.452, West
Q108	7-ELEVEN FOOD STORE	12764 POWAY RD	SAN DIEGO CO. SAM, San Diego Co. HMMD, SWEEPS UST,...	Higher	2407, 0.456, NNE
Q109	7-ELEVEN STORE #1916	12764 POWAY	LUST, HIST CORTESE, CERS	Higher	2407, 0.456, NNE
Q110	7-ELEVEN STORE #1916	12764 POWAY RD	LUST	Higher	2407, 0.456, NNE
Q111	317-490-72	12764 POWAY ROAD	US BROWNFIELDS, FINDS	Higher	2407, 0.456, NNE
Q112	ARCO #1735	12805 POWAY RD	SAN DIEGO CO. SAM	Higher	2419, 0.458, NNE
Q113	ATLANTIC RICHFIELD C	12805 POWAY RD	LUST, San Diego Co. HMMD, Cortese, EMI, HIST...	Higher	2419, 0.458, NNE
Q114	ARCO SERVICE STATION	12805 POWAY RD	LUST	Higher	2419, 0.458, NNE
Q115	317-490-51	12805 POWAY ROAD	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO	Higher	2419, 0.458, NNE
116	317-490-54	12800 BLOCK OF POWAY	US BROWNFIELDS, FINDS	Higher	2493, 0.472, NNE
117	QUIK CHEK	13123 POWAY RD	LUST, SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co....	Higher	3945, 0.747, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs
San Diego Co. HMMD ..... Hazardous Materials Management Division Database
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register

AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database
CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES - Abandoned Mines
FINDS - Facility Index System/Facility Registry System
ECHO - Enforcement & Compliance History Information
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
HAZNET - Facility and Manifest Data
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
SAN DIEGO CO LOP - Local Oversight Program Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
HWTS - Hazardous Waste Tracking System
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/25/2021 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TUNE CRAFT Facility Id: 37990006 Status: Refer: 1248 Local Agency	***12430 POWAY RD***	***WNW 1/8 - 1/4 (0.229 mi.)***	***G56***	***287***

Lists of state and tribal leaking storage tanks

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 15 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE	***12619 POWAY RD***	***N 1/8 - 1/4 (0.194 mi.)***	***E34***	***135***

Case Number: H16311-001
Facility Status: Closed Case

APRO 23	***12462 POWAY RD***	***NW 1/8 - 1/4 (0.219 mi.)***	***F52***	***278***
Case Number: H03486-001 Facility Status: Remedial Investigation				
TUNE CRAFT	***12430 POWAY RD***	***WNW 1/8 - 1/4 (0.229 mi.)***	***G56***	***287***
Case Number: H13442-001 Case Number: H13442-002 Facility Status: Closed Case				
CHEVRON #94955	***12410 POWAY RD***	***WNW 1/4 - 1/2 (0.274 mi.)***	***I71***	***338***
Case Number: H05705-001 Facility Status: Remedial Investigation				
WILLIAM P RACICOT DD	***13029 POMERADO RD***	***WNW 1/4 - 1/2 (0.294 mi.)***	***I75***	***400***
Case Number: H50251-001 Facility Status: Closed Case				
SHELL SVC STATION	***12365 POWAY RD SAP N***	***WNW 1/4 - 1/2 (0.307 mi.)***	***J79***	***423***
Case Number: H03181-001 Facility Status: Remedial Investigation				
POWAY 76	***13012 POMERADO RD***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I87***	***493***
Case Number: H12921-001 Case Number: H12921-002 Facility Status: Closed Case				
OAK KNOLL SQUARE	12759 POWAY RD	NNE 1/4 - 1/2 (0.391 mi.)	O98	592
Case Number: H39706-001 Facility Status: Closed Case				
317-490-66, -73	***12740 POWAY ROAD***	***NNE 1/4 - 1/2 (0.402 mi.)***	***O100***	***595***
Case Number: H13170-001 Facility Status: Closed Case				
CONROYS FLOWERS	***12775 POWAY RD***	***NNE 1/4 - 1/2 (0.417 mi.)***	***O103***	***714***
Case Number: H32109-001 Facility Status: Closed Case				
7-ELEVEN FOOD STORE	***12764 POWAY RD***	***NNE 1/4 - 1/2 (0.456 mi.)***	***Q108***	***733***
Case Number: H20710-001 Facility Status: Closed Case				
ARCO #1735	12805 POWAY RD	NNE 1/4 - 1/2 (0.458 mi.)	Q112	743
Case Number: H20714-001 Case Number: H20714-002 Facility Status: Remedial Action (Clean-Up) Facility Status: Closed Case				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CIRCLE K STORE #2966	***12906 POMERADO***	***W 1/4 - 1/2 (0.295 mi.)***	***J76***	***402***
Case Number: H20709-001 Case Number: H20709-002 Case Number: H20709-003 Facility Status: Remedial Investigation Facility Status: Closed Case				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***W 1/4 - 1/2 (0.321 mi.)***	***L91***	***568***
Case Number: H20708-001				

Case Number: H20708-002
Facility Status: Closed Case

ALBA ACTION SPORTS ***12255 POWAY RD*** ***W 1/4 - 1/2 (0.452 mi.)*** ***P107*** ***728***
Case Number: H14146-001
Facility Status: Remedial Investigation

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 17 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EAGLE TIRE COMPANY	12619 POWAY RD	N 1/8 - 1/4 (0.194 mi.)	E33	134
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 9/26/91 Status: Case Closed Case Number: 9UT1173				
EXPRESS TIRE	***12619 POWAY RD***	***N 1/8 - 1/4 (0.194 mi.)***	***E34***	***135***
Database: LUST, Date of Government Version: 12/06/2021 Global Id: T0607300148 Status: Completed - Case Closed				
REGENT OIL	***12462 POWAY RD***	***NW 1/8 - 1/4 (0.219 mi.)***	***F45***	***198***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 12/06/2021 Status: Preliminary site assessment workplan submitted Global Id: T0607302601 Status: Completed - Case Closed Case Number: 9UT3843				
TUNE CRAFT	***12430 POWAY RD***	***WNW 1/8 - 1/4 (0.229 mi.)***	***G56***	***287***
Database: LUST, Date of Government Version: 12/06/2021 Global Id: T0607329605 Status: Completed - Case Closed				
CHEVRON SERVICE STA	***12410 POWAY RD***	***WNW 1/4 - 1/2 (0.274 mi.)***	***I72***	***344***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 12/06/2021 Status: Preliminary site assessment workplan submitted Global Id: T0607301492 Status: Completed - Case Closed Case Number: 9UT2737				
SHELL OIL STATION	***12365 POWAY RD***	***WNW 1/4 - 1/2 (0.307 mi.)***	***J81***	***436***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 12/06/2021 Status: Pollution Characterization Global Id: T0607300295 Status: Completed - Case Closed Case Number: 9UT1473				
UNOCAL	***13012 POMERADO RD***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I84***	***480***
Database: LUST REG 9, Date of Government Version: 03/01/2001				

Status: Preliminary site assessment workplan submitted
Case Number: 9UT3685

UNOCAL ***13012 POMERADO*** ***WNW 1/4 - 1/2 (0.316 mi.)*** ***I85*** ***484***
Database: LUST, Date of Government Version: 12/06/2021
Global Id: T0607302452
Status: Completed - Case Closed

317-490-66, -73 ***12740 POWAY ROAD*** ***NNE 1/4 - 1/2 (0.402 mi.)*** ***O100*** ***595***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/06/2021
Status: Remediation Plan
Global Id: T0607302868
Status: Completed - Case Closed
Case Number: 9UT58

7-ELEVEN STORE #1916 ***12764 POWAY*** ***NNE 1/4 - 1/2 (0.456 mi.)*** ***Q109*** ***738***
Database: LUST, Date of Government Version: 12/06/2021
Global Id: T0607300987
Status: Completed - Case Closed

7-ELEVEN STORE #1916 12764 POWAY RD NNE 1/4 - 1/2 (0.456 mi.) Q110 739
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 5/22/97
Status: Case Closed
Case Number: 9UT2220

ATLANTIC RICHFIELD C ***12805 POWAY RD*** ***NNE 1/4 - 1/2 (0.458 mi.)*** ***Q113*** ***743***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/06/2021
Status: Preliminary site assessment underway
Global Id: T0607301865
Global Id: T0607300943
Status: Completed - Case Closed
Status: Open - Site Assessment
Case Number: 9UT2173

ARCO SERVICE STATION 12805 POWAY RD NNE 1/4 - 1/2 (0.458 mi.) Q114 767
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/8/86
Status: Case Closed
Case Number: 9UT31

Lower Elevation	Address	Direction / Distance	Map ID	Page

CIRCLE K STORE #2966 ***12906 POMERADO*** ***W 1/4 - 1/2 (0.295 mi.)*** ***J76*** ***402***
Database: LUST, Date of Government Version: 12/06/2021
Global Id: T0607399211
Status: Completed - Case Closed

TOSCO/ CIRCLE K #296 12906 POMERADO RD W 1/4 - 1/2 (0.295 mi.) J77 419
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4000

COUNTY OF SD/POWAY R ***12341 OAK KNOLL RD*** ***W 1/4 - 1/2 (0.321 mi.)*** ***L91*** ***568***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/06/2021
Status: Preliminary site assessment underway
Global Id: T0607301557

Status: Completed - Case Closed
Case Number: 9UT2799

SAN DIEGO VOLVO ***12255 POWAY RD*** ***W 1/4 - 1/2 (0.452 mi.)*** ***P106*** ***724***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/06/2021
Status: Remediation Plan
Global Id: T0607302759
Status: Completed - Case Closed
Case Number: 9UT457

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 7 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TUNE CRAFT	***12430 POWAY RD***	***WNW 1/8 - 1/4 (0.229 mi.)***	***G56***	***287***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T06019724878				
WILLIAM P RACICOT DD	***13029 POMERADO RD***	***WNW 1/4 - 1/2 (0.294 mi.)***	***I75***	***400***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T0608126275				
UNOCAL	***13012 POMERADO***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I85***	***484***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T0608159026				
CONROYS FLOWERS	***12775 POWAY RD***	***NNE 1/4 - 1/2 (0.417 mi.)***	***O103***	***714***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: SLT9S0064213				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2966	***12906 POMERADO***	***W 1/4 - 1/2 (0.295 mi.)***	***J76***	***402***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T0608150361				
POWAY ROAD STATION	***12341 OAK KNOLL RD***	***W 1/4 - 1/2 (0.321 mi.)***	***L90***	***566***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T10000007778				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***W 1/4 - 1/2 (0.321 mi.)***	***L91***	***568***
Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T0608118612				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUAD ACE INC. Database: UST, Date of Government Version: 12/06/2021 Facility Id: H03486	12462 POWAY RD	NW 1/8 - 1/4 (0.219 mi.)	F46	211
UNITED #023 Database: UST, Date of Government Version: 12/06/2021 Facility Id: 37-000-103486	12462 POWAY RD	NW 1/8 - 1/4 (0.219 mi.)	F51	277

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OIL CHANGER #604 Database: AST, Date of Government Version: 07/06/2016	12459 POWAY RD	WNW 1/8 - 1/4 (0.216 mi.)	G42	169
OIL CHANGERS #604 Database: AST, Date of Government Version: 07/06/2016	***12459 POWAY RD***	***WNW 1/8 - 1/4 (0.216 mi.)***	***G44***	***173***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 02/23/2022 has revealed that there are 46 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
317-540-71 ACRES property ID: 39706 Cleanup Completion Date: -	***12532-12604 OAK KNOL***	***WNW 0 - 1/8 (0.040 mi.)***	***1***	***9***
317-540-63 ACRES property ID: 39704 Cleanup Completion Date: -	***12511 POWAY ROAD***	***NW 1/8 - 1/4 (0.137 mi.)***	***C9***	***29***
317-540-64	***12509 POWAY ROAD***	***NW 1/8 - 1/4 (0.163 mi.)***	***C13***	***40***

ACRES property ID: 39705 Cleanup Completion Date: -				
317-540-19 ACRES property ID: 39695 Cleanup Completion Date: -	***12510 POWAY ROAD***	***NW 1/8 - 1/4 (0.181 mi.)***	***C25***	***84***
317-540-20 ACRES property ID: 39696 Cleanup Completion Date: -	***12538 POWAY ROAD***	***NNW 1/8 - 1/4 (0.188 mi.)***	***D26***	***87***
317-490-17, -31 ACRES property ID: 39797 Cleanup Completion Date: -	***12605 POWAY ROAD***	***N 1/8 - 1/4 (0.193 mi.)***	***E28***	***92***
317-490-41 ACRES property ID: 39798 Cleanup Completion Date: -	***12619 POWAY ROAD***	***N 1/8 - 1/4 (0.194 mi.)***	***E32***	***131***
317-540-17, -18 ACRES property ID: 39694 Cleanup Completion Date: -	***12502 POWAY ROAD***	***NW 1/8 - 1/4 (0.197 mi.)***	***F36***	***144***
317-460-09 ACRES property ID: 39775 Cleanup Completion Date: -	***13102 RIDGEDALE DRIV***	***NNW 1/8 - 1/4 (0.200 mi.)***	***D38***	***158***
317-540-27 ACRES property ID: 39698 Cleanup Completion Date: -	***12443 POWAY ROAD***	***WNW 1/8 - 1/4 (0.207 mi.)***	***G39***	***161***
317-460-08 ACRES property ID: 39774 Cleanup Completion Date: -	***12570 POWAY ROAD***	***NNW 1/8 - 1/4 (0.211 mi.)***	***E40***	***164***
317-540-26 ACRES property ID: 39697 Cleanup Completion Date: -	***12455 AND 12459 POWA***	***WNW 1/8 - 1/4 (0.216 mi.)***	***G43***	***170***
APRO #23 ACRES property ID: 39693 Cleanup Completion Date: -	***12462 POWAY RD***	***NW 1/8 - 1/4 (0.219 mi.)***	***F50***	***274***
317-540-30 ACRES property ID: 39699 Cleanup Completion Date: -	***12439 POWAY ROAD***	***WNW 1/8 - 1/4 (0.219 mi.)***	***G53***	***278***
317-540-13, -72 ACRES property ID: 39692 Cleanup Completion Date: -	***12448 POWAY ROAD***	***WNW 1/8 - 1/4 (0.220 mi.)***	***F54***	***281***
317-540-60 ACRES property ID: 39702 Cleanup Completion Date: -	***12440 POWAY ROAD***	***WNW 1/8 - 1/4 (0.226 mi.)***	***G55***	***284***
317-490-71 ACRES property ID: 39813 Cleanup Completion Date: -	***12612 POWAY ROAD***	***N 1/8 - 1/4 (0.231 mi.)***	***E57***	***293***
317-490-74 ACRES property ID: 39684 Cleanup Completion Date: -	***12600 BLOCK OF POWAY***	***N 1/8 - 1/4 (0.231 mi.)***	***E58***	***296***
317-540-61, -62 ACRES property ID: 39703	***12411 AND 12427 POWA***	***WNW 1/8 - 1/4 (0.232 mi.)***	***G59***	***298***

Cleanup Completion Date: -				
317-490-61 ACRES property ID: 39807 Cleanup Completion Date: -	***12651 POWAY ROAD***	***N 1/8 - 1/4 (0.246 mi.)***	***H61***	***304***
317-540-47 ACRES property ID: 39701 Cleanup Completion Date: -	***12424 POWAY ROAD***	***WNW 1/8 - 1/4 (0.249 mi.)***	***G67***	***323***
317-490-62 ACRES property ID: 39808 Cleanup Completion Date: -	***12657 POWAY ROAD***	***NNE 1/4 - 1/2 (0.260 mi.)***	***H68***	***326***
317-490-14 ACRES property ID: 39796 Cleanup Completion Date: -	***12665 POWAY ROAD***	***NNE 1/4 - 1/2 (0.262 mi.)***	***H69***	***329***
317-490-77, -78, -79 ACRES property ID: 39686 Cleanup Completion Date: -	12600 BLOCK OF POWAY	N 1/4 - 1/2 (0.273 mi.)	H70	336
317-540-46 ACRES property ID: 39700 Cleanup Completion Date: -	***12410 POWAY ROAD***	***WNW 1/4 - 1/2 (0.274 mi.)***	***I73***	***392***
317-151-42, AND -43 ACRES property ID: 39761 Cleanup Completion Date: -	***12369 AND 12373 POWA***	***W 1/4 - 1/2 (0.294 mi.)***	***J74***	***398***
317-151-47, -50, AND ACRES property ID: 39763 Cleanup Completion Date: -	***12300 BLOCK OF POWAY***	***WNW 1/4 - 1/2 (0.300 mi.)***	***I78***	***420***
317-151-40 ACRES property ID: 39760 Cleanup Completion Date: -	***12365 POWAY ROAD***	***WNW 1/4 - 1/2 (0.307 mi.)***	***J80***	***433***
317-490-75 ACRES property ID: 39685 Cleanup Completion Date: -	***12672 POWAY ROAD***	***N 1/4 - 1/2 (0.309 mi.)***	***K82***	***474***
317-151-59, AND 316- ACRES property ID: 39765 Cleanup Completion Date: -	***12200 BLOCK OF POWAY***	***NW 1/4 - 1/2 (0.315 mi.)***	***83***	***477***
317-153-08 ACRES property ID: 39766 Cleanup Completion Date: -	***13012 POMERADO ROAD***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I86***	***487***
317-490-48 ACRES property ID: 39801 Cleanup Completion Date: -	***12711 POWAY ROAD***	***NNE 1/4 - 1/2 (0.318 mi.)***	***K89***	***563***
317-490-49 ACRES property ID: 39802 Cleanup Completion Date: -	***12719 POWAY ROAD***	***NNE 1/4 - 1/2 (0.339 mi.)***	***M92***	***576***
317-490-08 ACRES property ID: 39795 Cleanup Completion Date: -	***12735 POWAY ROAD***	***NNE 1/4 - 1/2 (0.345 mi.)***	***M94***	***581***
317-490-65 ACRES property ID: 39809 Cleanup Completion Date: -	***12724 POWAY ROAD***	***NNE 1/4 - 1/2 (0.361 mi.)***	***M96***	***587***
317-490-42	***12759 POWAY ROAD***	***NNE 1/4 - 1/2 (0.391 mi.)***	***O97***	***590***

ACRES property ID: 39799 Cleanup Completion Date: -				
317-490-04, -06, -07 ACRES property ID: 39794 Cleanup Completion Date: -	13206 CARRIAGE ROAD;	NNE 1/4 - 1/2 (0.391 mi.)	O99	593
317-490-66, -73 ACRES property ID: 39810 Cleanup Completion Date: -	***12740 POWAY ROAD***	***NNE 1/4 - 1/2 (0.402 mi.)***	***O100***	***595***
317-490-02 ACRES property ID: 39793 Cleanup Completion Date: -	***12775 POWAY ROAD***	***NNE 1/4 - 1/2 (0.417 mi.)***	***O102***	***711***
317-490-72 ACRES property ID: 39814 Cleanup Completion Date: -	***12764 POWAY ROAD***	***NNE 1/4 - 1/2 (0.456 mi.)***	***Q111***	***740***
317-490-51 ACRES property ID: 39803 Cleanup Completion Date: -	***12805 POWAY ROAD***	***NNE 1/4 - 1/2 (0.458 mi.)***	***Q115***	***768***
317-490-54 ACRES property ID: 39804 Cleanup Completion Date: -	***12800 BLOCK OF POWAY***	***NNE 1/4 - 1/2 (0.472 mi.)***	***116***	***773***

Lower Elevation	Address	Direction / Distance	Map ID	Page
317-153-22 ACRES property ID: 39768 Cleanup Completion Date: -	***12380 POWAY ROAD***	***WNW 1/4 - 1/2 (0.341 mi.)***	***N93***	***578***
317-151-44 ACRES property ID: 39762 Cleanup Completion Date: -	***12339 POWAY ROAD***	***WNW 1/4 - 1/2 (0.352 mi.)***	***N95***	***584***
317-153-18, -19, -20 ACRES property ID: 39767 Cleanup Completion Date: -	***12300 BLOCK OF POWAY***	***WNW 1/4 - 1/2 (0.424 mi.)***	***P104***	***716***
317-151-60 ACRES property ID: 39764 Cleanup Completion Date: -	***12255 POWAY ROAD***	***W 1/4 - 1/2 (0.452 mi.)***	***P105***	***718***

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/18/2021 has revealed that there are 7 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JOE N.T. NGUYEN, DDS	***12511 POWAY RD***	***NW 1/8 - 1/4 (0.137 mi.)***	***C10***	***32***
EXPRESS TIRE	***12619 POWAY RD***	***N 1/8 - 1/4 (0.194 mi.)***	***E31***	***100***
317-540-17, -18	***12502 POWAY ROAD***	***NW 1/8 - 1/4 (0.197 mi.)***	***F36***	***144***
OIL CHANGERS #604	***12459 POWAY RD***	***WNW 1/8 - 1/4 (0.216 mi.)***	***G44***	***173***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED #023	*12462 POWAY RD*	*NW 1/8 - 1/4 (0.219 mi.)*	*F49*	*216*
WESTERN DENTAL SERVI	*12649 POWAY RD*	*N 1/8 - 1/4 (0.248 mi.)*	*H63*	*309*
BIG 5 SPORTING GOODS	*12630 POWAY RD*	*N 1/8 - 1/4 (0.249 mi.)*	*H66*	*320*

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE Status: A Comp Number: 16311	*12619 POWAY RD*	*N 1/8 - 1/4 (0.194 mi.)*	*E34*	*135*
REGENT OIL Status: A Tank Status: A Comp Number: 3486	*12462 POWAY RD*	*NW 1/8 - 1/4 (0.219 mi.)*	*F45*	*198*
TUNE CRAFT Status: A Tank Status: A Comp Number: 13442	*12430 POWAY RD*	*WNW 1/8 - 1/4 (0.229 mi.)*	*G56*	*287*

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/18/2021 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OIL CHANGERS #604	*12459 POWAY RD*	*WNW 1/8 - 1/4 (0.216 mi.)*	*G44*	*173*
UNITED #023	*12462 POWAY RD*	*NW 1/8 - 1/4 (0.219 mi.)*	*F49*	*216*

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/28/2022 has revealed that

there are 32 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RUFUS COOK	12626 TUSTIN STREET	SSE 0 - 1/8 (0.109 mi.)	A6	21
OAK KNOLL VILLAS	12509 OAK KNOLL RD	W 1/8 - 1/4 (0.133 mi.)	B7	24
SHERIN WILLIAMS #153 EPA ID:: CAL000396110	12511 POWAY RD	NW 1/8 - 1/4 (0.137 mi.)	C11	35
LINDSEY OKEEFE EPA ID:: CAC003017996	12711 TUSTIN ST.	SE 1/8 - 1/4 (0.149 mi.)	12	37
OAK CREEK APARTMENTS	12455 OAK KNOLL RD,	W 1/8 - 1/4 (0.176 mi.)	B14	42
OAKCREEK APTS. EPA ID:: CAC002974223	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B15	45
OAKCREEK APTS. EPA ID:: CAC002984624	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B16	47
OAK CREEK APTS. EPA ID:: CAC003019485	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B17	50
OAK CREEK APTS.	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B18	52
OAK CREEK APTS. EPA ID:: CAC003054309	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B19	69
OAKCREEK APTS. EPA ID:: CAC002966836	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B20	72
OAKCREEK APTS. EPA ID:: CAC002979030	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B21	74
OAK CREEK APTS. EPA ID:: CAC003024047	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B22	77
OAK CREEK APTS. EPA ID:: CAC003013208	12455 OAK KNOLL RD.	W 1/8 - 1/4 (0.176 mi.)	B23	79
OAK CREEK - MULTIPLE	12455 OAK KNOLL RD	W 1/8 - 1/4 (0.176 mi.)	B24	82
DAUER, DAVID & ANGEL EPA ID:: CAC002976592	12737 LA VISTA WAY	ENE 1/8 - 1/4 (0.189 mi.)	27	90
FIRESTONE COMPLETE A EPA ID:: CAL000440569	12619 POWAY RD	N 1/8 - 1/4 (0.194 mi.)	E29	95
L&M TIRE COMPANY INC EPA ID:: CAL000067242	12619 POWAY RD	N 1/8 - 1/4 (0.194 mi.)	E30	98
EL DORADO COLLISION EPA ID:: CAL000294421	12502 POWAY RD	NW 1/8 - 1/4 (0.197 mi.)	F35	141
13102 RIDGEDALE DR.	13102 RIDGEDALE DR.	NNW 1/8 - 1/4 (0.200 mi.)	D37	155
OIL CHANGERS #604 EPA ID:: CAL000035887	12459 POWAY ROAD	WNW 1/8 - 1/4 (0.216 mi.)	G41	167
APRO LLC DBA UNITED EPA ID:: CAL000398698	12462 POWAY RD	NW 1/8 - 1/4 (0.219 mi.)	F47	211
CHIEFS' REGENT EPA ID:: CAL000030663	12462 POWAY RD	NW 1/8 - 1/4 (0.219 mi.)	F48	214
ROGER HEATH	12533 BUCKSKIN TRAIL	S 1/8 - 1/4 (0.241 mi.)	60	301
WESTERN DENTAL SERVI EPA ID:: CAL000178822	12649 POWAY RD	N 1/8 - 1/4 (0.248 mi.)	H62	307
SENANG INVESTMENTS, EPA ID:: CAC002974034	12629 POWAY ROAD	N 1/8 - 1/4 (0.248 mi.)	H64	315
BIG 5 SPORTING GOODS	12630 POWAY RD	N 1/8 - 1/4 (0.249 mi.)	H65	318

EPA ID:: CAL000410431

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAY DAOEDSJAH	12616 SOULE STREET	SSE 0 - 1/8 (0.057 mi.)	A2	11
ANTHONY ANGELO	12628 SOULE STREET	SE 0 - 1/8 (0.071 mi.)	A3	14
EPA ID:: CAC003058732				
ROBERT PFEIL	12611 SOULE ST	S 0 - 1/8 (0.080 mi.)	A4	16
JEFF HAYINE	12641 SOULE ST	SE 0 - 1/8 (0.100 mi.)	A5	19
LEE, TERRI	12718 SOULE ST.	ESE 1/8 - 1/4 (0.137 mi.)	8	26
EPA ID:: CAC002997476				

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/16/2021 has revealed that there are 12 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE	***12619 POWAY RD***	***N 1/8 - 1/4 (0.194 mi.)***	***E34***	***135***
Cleanup Status: COMPLETED - CASE CLOSED				
REGENT OIL	***12462 POWAY RD***	***NW 1/8 - 1/4 (0.219 mi.)***	***F45***	***198***
Cleanup Status: COMPLETED - CASE CLOSED				
TUNE CRAFT	***12430 POWAY RD***	***WNW 1/8 - 1/4 (0.229 mi.)***	***G56***	***287***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON #94955	***12410 POWAY RD***	***WNW 1/4 - 1/2 (0.274 mi.)***	***I71***	***338***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL SVC STATION	***12365 POWAY RD SAP N***	***WNW 1/4 - 1/2 (0.307 mi.)***	***J79***	***423***
Cleanup Status: COMPLETED - CASE CLOSED				
POWAY 76	***13012 POMERADO RD***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I88***	***529***
Cleanup Status: COMPLETED - CASE CLOSED				
PERRY FORD OF POWAY	***12740 POWAY RD***	***NNE 1/4 - 1/2 (0.402 mi.)***	***O101***	***658***
Cleanup Status: COMPLETED - CASE CLOSED				
7-ELEVEN FOOD STORE	***12764 POWAY RD***	***NNE 1/4 - 1/2 (0.456 mi.)***	***Q108***	***733***
Cleanup Status: COMPLETED - CASE CLOSED				
ATLANTIC RICHFIELD C	***12805 POWAY RD***	***NNE 1/4 - 1/2 (0.458 mi.)***	***Q113***	***743***
Cleanup Status: COMPLETED - CASE CLOSED				
Cleanup Status: OPEN - SITE ASSESSMENT				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2966	***12906 POMERADO***	***W 1/4 - 1/2 (0.295 mi.)***	***J76***	***402***
Cleanup Status: COMPLETED - CASE CLOSED				
COUNTY OF SD/POWAY R	***12341 OAK KNOLL RD***	***W 1/4 - 1/2 (0.321 mi.)***	***L91***	***568***
Cleanup Status: COMPLETED - CASE CLOSED				
ALBA ACTION SPORTS	***12255 POWAY RD***	***W 1/4 - 1/2 (0.452 mi.)***	***P107***	***728***
Cleanup Status: COMPLETED - CASE CLOSED				

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 10 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXPRESS TIRE Reg Id: 9UT1173	***12619 POWAY RD***	***N 1/8 - 1/4 (0.194 mi.)***	***E34***	***135***
REGENT OIL Reg Id: 9UT3843	***12462 POWAY RD***	***NW 1/8 - 1/4 (0.219 mi.)***	***F45***	***198***
CHEVRON SERVICE STA Reg Id: 9UT2737	***12410 POWAY RD***	***WNW 1/4 - 1/2 (0.274 mi.)***	***I72***	***344***
SHELL OIL STATION Reg Id: 9UT1473	***12365 POWAY RD***	***WNW 1/4 - 1/2 (0.307 mi.)***	***J81***	***436***
UNOCAL Reg Id: 9UT3685	***13012 POMERADO***	***WNW 1/4 - 1/2 (0.316 mi.)***	***I85***	***484***
317-490-66, -73 Reg Id: 9UT58	***12740 POWAY ROAD***	***NNE 1/4 - 1/2 (0.402 mi.)***	***O100***	***595***
7-ELEVEN STORE #1916 Reg Id: 9UT2220	***12764 POWAY***	***NNE 1/4 - 1/2 (0.456 mi.)***	***Q109***	***738***
ATLANTIC RICHFIELD C Reg Id: 9UT2173 Reg Id: 9UT31	***12805 POWAY RD***	***NNE 1/4 - 1/2 (0.458 mi.)***	***Q113***	***743***

Lower Elevation	Address	Direction / Distance	Map ID	Page
COUNTY OF SD/POWAY R Reg Id: 9UT2799	***12341 OAK KNOLL RD***	***W 1/4 - 1/2 (0.321 mi.)***	***L91***	***568***
SAN DIEGO VOLVO Reg Id: 9UT457	***12255 POWAY RD***	***W 1/4 - 1/2 (0.452 mi.)***	***P106***	***724***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/13/2021 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

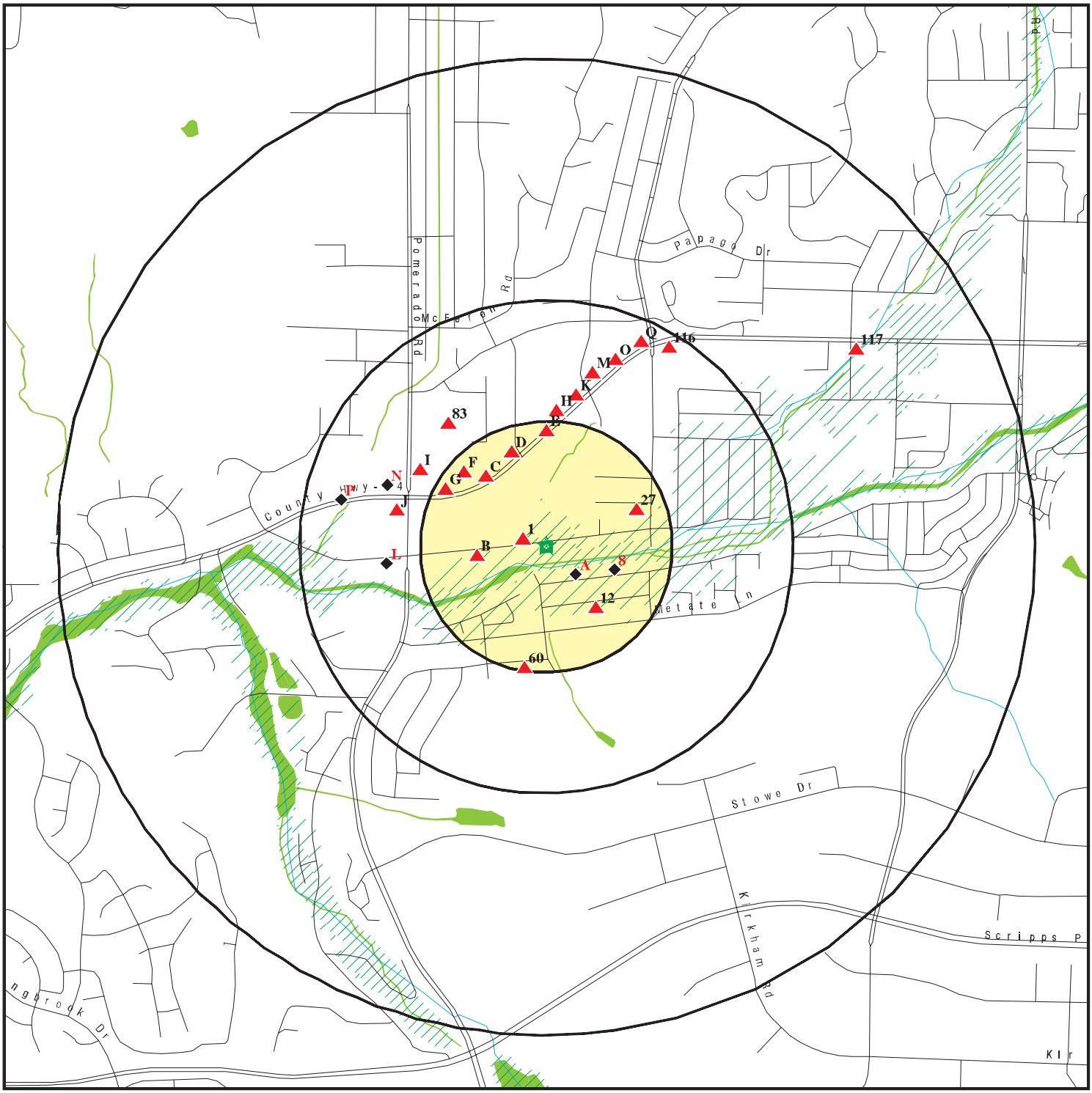
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUIK CHEK	***13123 POWAY RD***	***ENE 1/2 - 1 (0.747 mi.)***	***117***	***776***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
OAK KNOLL TRUNK SEWER REPLACEMENT	CIWQS
POWAY RD & OAK KNOLL RD	NPDES, CIWQS
POWAY LANDFILL	SWF/LF
OAK KNOLL VILLAS	FINDS

OVERVIEW MAP - 6935042.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 12623 Oak Knoll Road	CLIENT: Geocon Env. Consultants, Inc.
ADDRESS: 12623 Oak Knoll Road Poway CA 92064	CONTACT: Cole Mikesell
LAT/LONG: 32.950325 / 117.057621	INQUIRY #: 6935042.2s DATE: April 11, 2022 2:23 pm

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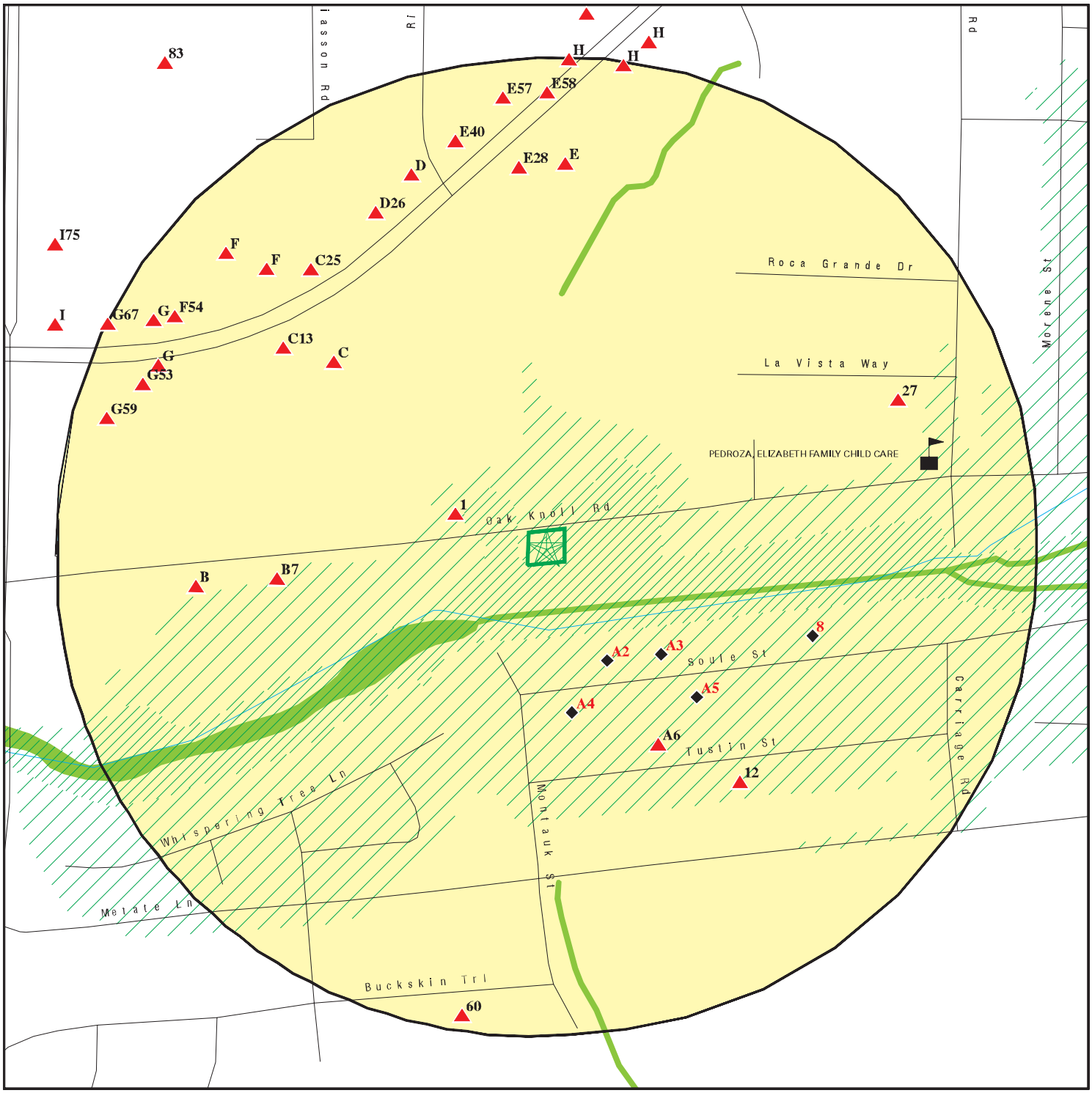
DETAIL MAP - 6935042.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 12623 Oak Knoll Road	CLIENT: Geocon Env. Consultants, Inc.
ADDRESS: 12623 Oak Knoll Road Poway CA 92064	CONTACT: Cole Mikesell
LAT/LONG: 32.950325 / 117.057621	INQUIRY #: 6935042.2s DATE: April 11, 2022 2:26 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	1	0	0	NR	1
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
SAN DIEGO CO. SAM	0.500		0	3	12	NR	NR	15
LUST	0.500		0	4	13	NR	NR	17
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	6	NR	NR	7
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	20	25	NR	NR	46
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	7	NR	NR	NR	7
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	3	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	27	NR	NR	NR	32
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	3	9	NR	NR	12
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	8	NR	NR	10
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	6	77	73	1	0	157

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
WNW
< 1/8
0.040 mi.
212 ft.

317-540-71
12532-12604 OAK KNOLL ROAD
POWAY, CA 92064

US BROWNFIELDS FINDS

1016346529
N/A

Relative:
Higher

Actual:
457 ft.

US BROWNFIELDS:

Name:	317-540-71
Address:	12532-12604 OAK KNOLL ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-71
Parcel size:	11.2
Latitude:	32.950647
Longitude:	-117.058644
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Countryside Apartments - Facility observed to consist of residential complex with ten multi-unit buildings, pool, and parking and landscaped areas.
Datum:	-
Acres Property ID:	39706
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Countryside Apartments, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-540-71 (Continued) **1016346529**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-540-71 (Continued) **1016346529**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Countryside Apartments - Facility observed to consist of residential complex with ten multi-unit buildings, pool, and parking and landscaped areas.
Below Poverty Number:	200
Below Poverty Percent:	4.32
Meidan Income:	7603
Meidan Income Number:	994
Meidan Income Percent:	21.47
Vacant Housing Number:	133
Vacant Housing Percent:	7.82
Unemployed Number:	232
Unemployed Percent:	5.01

FINDS:
Registry ID: 110038708921

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 **RAY DAOEDSJAH** **RCRA NonGen / NLR** **1027085814**
SSE **12616 SOULE STREET** **CAC003158105**
< 1/8 **POWAY, CA 92064**
0.057 mi.
302 ft. **Site 1 of 5 in cluster A**

Relative:
Lower

Actual:
446 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20220121
Handler Name:	RAY DAOEDSJAH	
Handler Address:		12616 SOULE STREET
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003158105
Contact Name:		RAY DAOEDSJAH
Contact Address:		12616 SOULE STREET

RAY DAOEDSJAH (Continued) **1027085814**

Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-449-8195
Contact Fax:	Not reported
Contact Email:	RDAOEDSJAH@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12616 SOULE STREET
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	RAY DAOEDSJAH
Owner Type:	Other
Operator Name:	RAY DAOEDSJAH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

RAY DAOEDSJAH (Continued) **1027085814**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220121
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RAY DAOEDSJAH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12616 SOULE STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-449-8195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RAY DAOEDSJAH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12616 SOULE STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-449-8195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220121
Handler Name: RAY DAOEDSJAH	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

RAY DAOEDSJAH (Continued) **1027085814**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A3 **ANTHONY ANGELO** **RCRA NonGen / NLR** **1026051842**
SE **12628 SOULE STREET** **CAC003058732**
< 1/8 **POWAY, CA 92064**
0.071 mi.
375 ft. **Site 2 of 5 in cluster A**

Relative: **Lower**
Actual: **447 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20200304
Handler Name:	ANTHONY ANGELO	
Handler Address:		12628 SOULE STREET
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003058732
Contact Name:		ANTHONY ANGELO
Contact Address:		12628 SOULE STREET
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-335-2522
Contact Fax:		Not reported
Contact Email:		LUCIANNAVILLAREAL@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12628 SOULE STREET
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		ANTHONY ANGELO
Owner Type:		Other
Operator Name:		ANTHONY ANGELO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

ANTHONY ANGELO (Continued) **1026051842**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANTHONY ANGELO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12628 SOULE STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064

ANTHONY ANGELO (Continued) **1026051842**

Owner/Operator Telephone: 858-335-2522
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ANTHONY ANGELO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12628 SOULE STREET
Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 858-335-2522
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200304
Handler Name: ANTHONY ANGELO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A4 **ROBERT PFEIL** **RCRA NonGen / NLR** **1026805255**
South **12611 SOULE ST** **CAC003117419**
< 1/8 **POWAY, CA 92064**
0.080 mi.
421 ft. **Site 3 of 5 in cluster A**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20210429
Actual: Handler Name: ROBERT PFEIL
448 ft. Handler Address: 12611 SOULE ST
Handler City,State,Zip: POWAY, CA 92064-6032
EPA ID: CAC003117419
Contact Name: ROBERT PFEIL
Contact Address: 12611 SOULE ST

ROBERT PFEIL (Continued) **1026805255**

Contact City,State,Zip:	POWAY, CA 92064-6032
Contact Telephone:	858-414-0645
Contact Fax:	Not reported
Contact Email:	MAGGIEP@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12611 SOULE ST
Mailing City,State,Zip:	POWAY, CA 92064-6032
Owner Name:	ROBERT PFEIL
Owner Type:	Other
Operator Name:	ROBERT PFEIL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

ROBERT PFEIL (Continued) **1026805255**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210514
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROBERT PFEIL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12611 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064-6032
Owner/Operator Telephone:	858-414-0645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROBERT PFEIL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12611 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064-6032
Owner/Operator Telephone:	858-414-0645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210429
Handler Name: ROBERT PFEIL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

ROBERT PFEIL (Continued) **1026805255**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A5 **JEFF HAYINE** **RCRA NonGen / NLR** **1026707980**
SE **12641 SOULE ST** **CAC003095974**
< 1/8 **POWAY, CA 92064**
0.100 mi.
530 ft. **Site 4 of 5 in cluster A**

Relative: **Lower**
Actual: **449 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20201207
Handler Name:	JEFF HAYINE	
Handler Address:		12641 SOULE ST
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003095974
Contact Name:		JEFF HAYINE
Contact Address:		12641 SOULE ST
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-871-7608
Contact Fax:		Not reported
Contact Email:		RTRIM@HSABATEMENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12641 SOULE ST
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		JEFF HAYINE
Owner Type:		Other
Operator Name:		JEFF HAYINE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

JEFF HAYINE (Continued) **1026707980**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFF HAYINE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12641 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064

JEFF HAYINE (Continued) **1026707980**

Owner/Operator Telephone:	619-871-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	JEFF HAYINE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12641 SOULE ST
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-871-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201207
Handler Name: JEFF HAYINE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A6 **RUFUS COOK** **RCRA NonGen / NLR** **1026469102**
SSE **12626 TUSTIN STREET** **CAC003074552**
< 1/8 **POWAY, CA 92064**
0.109 mi.
574 ft. **Site 5 of 5 in cluster A**

Relative:
Higher

Actual:
452 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200713
Handler Name:	RUFUS COOK	
Handler Address:		12626 TUSTIN STREET
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003074552
Contact Name:		RUFUS COOK
Contact Address:		12626 TUSTIN STREET

RUFUS COOK (Continued) **1026469102**

Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-486-5215
Contact Fax:	Not reported
Contact Email:	VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12626 TUSTIN STREET
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	RUFUS COOK
Owner Type:	Other
Operator Name:	RUFUS COOK
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

RUFUS COOK (Continued) **1026469102**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RUFUS COOK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12626 TUSTIN STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-486-5215
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RUFUS COOK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12626 TUSTIN STREET
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-486-5215
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200713
Handler Name: RUFUS COOK	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

RUFUS COOK (Continued) **1026469102**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B7 **OAK KNOLL VILLAS** **RCRA NonGen / NLR** **1026804171**
West **12509 OAK KNOLL RD** **CAC003116275**
1/8-1/4 **POWAY, CA 92064**
0.133 mi.
702 ft. **Site 1 of 12 in cluster B**

Relative: **Higher**
Actual: **451 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20210422
Handler Name:	OAK KNOLL VILLAS	
Handler Address:		12509 OAK KNOLL RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003116275
Contact Name:		MARYROSE MOREAU
Contact Address:		12509 OAK KNOLL RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-486-1645
Contact Fax:		Not reported
Contact Email:		MARYROSE.MOREAU@CONAM.US
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12509 OAK KNOLL RD
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		OAK KNOLL HOUSING ASSOCIATES, LP
Owner Type:		Other
Operator Name:		MARYROSE MOREAU
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

OAK KNOLL VILLAS (Continued) **1026804171**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210427
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARYROSE MOREAU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12509 OAK KNOLL RD
Owner/Operator City,State,Zip:	POWAY, CA 92064

OAK KNOLL VILLAS (Continued) **1026804171**

Owner/Operator Telephone: 858-486-1645
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OAK KNOLL HOUSING ASSOCIATES, LP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12509 OAK KNOLL RD
Owner/Operator City,State,Zip: POWAY, CA 92064
Owner/Operator Telephone: 858-486-1645
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210422
Handler Name: OAK KNOLL VILLAS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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8 **LEE, TERRI** **RCRA NonGen / NLR** **1024777534**
ESE **12718 SOULE ST.** **CAC002997476**
1/8-1/4 **POWAY, CA 92064**
0.137 mi.
725 ft.

Relative: **Lower**
Actual: **449 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20190121
Handler Name: LEE, TERRI
Handler Address: 12718 SOULE ST.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC002997476
Contact Name: LEE, TERRI
Contact Address: 12718 SOULE ST.

LEE, TERRI (Continued) **1024777534**

Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-335-8499
Contact Fax:	Not reported
Contact Email:	MAKENZIEY@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12718 SOULE ST.
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	LEE, TERRI
Owner Type:	Other
Operator Name:	LEE, TERRI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

LEE, TERRI (Continued) **1024777534**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEE, TERRI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12718 SOULE ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-8499
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LEE, TERRI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12718 SOULE ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-335-8499
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190121
Handler Name: LEE, TERRI	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

LEE, TERRI (Continued) **1024777534**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C9 **317-540-63** **US BROWNFIELDS** **1016346527**
NW **12511 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.137 mi.
725 ft. **Site 1 of 5 in cluster C**

Relative: **Higher**
Actual: **464 ft.**

US BROWNFIELDS:
Name: 317-540-63
Address: 12511 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-540-63
Parcel size: 0.68
Latitude: 32.95253
Longitude: -117.059289
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: Frazee Center - Facility observed to consist of one building, and parking areas. Facility observed to consist of small shopping center. Two 55-gallon drums observed in fenced enclosure in rear of Frazee Paint business.
Datum: -
Acres Property ID: 39704
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: Phase I Environmental Assessment

317-540-63 (Continued) **1016346527**

Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Frazee Poway Properties, LTD
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-

317-540-63 (Continued) **1016346527**

Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Frazee Center - Facility observed to consist of one building, and parking areas. Facility observed to consist of small shopping center. Two 55-gallon drums observed in fenced enclosure in rear of Frazee Paint business.
Below Poverty Number:	206
Below Poverty Percent:	4.31
Meidan Income:	4692
Meidan Income Number:	983
Meidan Income Percent:	20.59
Vacant Housing Number:	147
Vacant Housing Percent:	8.39
Unemployed Number:	221
Unemployed Percent:	4.63

FINDS:
Registry ID: 110038708903

Click Here:

Environmental Interest/Information System:

317-540-63 (Continued) **1016346527**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C10 **JOE N.T. NGUYEN, DDS** **San Diego Co. HMMD** **S106066141**
NW **12511 POWAY RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS**
0.137 mi.
725 ft. **Site 2 of 5 in cluster C**

Relative:
Higher

Actual:
464 ft.

HMMD SAN DIEGO:

Name:	JOE N.T. NGUYEN, DDS
Address:	12511 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	150139
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	317-540-63-00
Last HMMD Inspection:	09/14/2011
Facility Telephone:	858-486-2000
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	JOE N.T. NGUYEN, DDS
Facility Mailing Address:	12511 POWAY RD #B
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4304
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inventory Active Permits (SQG Medical):

Permit Number:	150139
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	150139
Update Date:	11/02/2012
Inspection Date:	11/06/2007
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Permit Number:	150139
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Permit Number:	150139
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Permit Number:	150139
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

CERS HAZ WASTE:

Name:	JOE N.T. NGUYEN, DDS
Address:	12511 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	40145
CERS ID:	10374235
CERS Description:	Hazardous Waste Generator

CERS:

Name:	JOE N.T. NGUYEN, DDS
Address:	12511 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	40145
CERS ID:	10374235
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	40145
Facility Name:	JOE N.T. NGUYEN, DDS
Env Int Type Code:	HWG
Program ID:	10374235
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.951750
Longitude:	-117.059560

Affiliation:

Affiliation Type Desc:	Environmental Contact

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Entity Name:	Joe Nguyen
Entity Title:	Not reported
Affiliation Address:	12511 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	JOE N.T. NGUYEN, DDS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	FRAZEE POWAY PROPERTIES LTD
Entity Title:	Not reported
Affiliation Address:	1005 ROSECRANS ST 202
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 225-1740,
Affiliation Type Desc:	Operator
Entity Name:	JOE N.T. NGUYEN, DDS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 486-2000,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12511 POWAY RD #B
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064-4304
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261

JOE N.T. NGUYEN, DDS (Continued) **S106066141**

Affiliation Phone: (858) 505-6880,

C11 **SHERIN WILLIAMS #1538** **RCRA NonGen / NLR** **1024844058**
NW **12511 POWAY RD** **CAL000396110**
1/8-1/4 **POWAY, CA 92064**
0.137 mi.
725 ft. **Site 3 of 5 in cluster C**

Relative: **Higher**

Actual: **464 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140423
Handler Name:	SHERIN WILLIAMS #1538	
Handler Address:		12511 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAL000396110
Contact Name:		CAROL F. DOE
Contact Address:		101 PROSPECT AVE NW
Contact City,State,Zip:		CLEVELAND, OH 44115
Contact Telephone:		216-566-1710
Contact Fax:		Not reported
Contact Email:		CAROL.F.DOE@SHERWIN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		101 W PROSPECT AVE
Mailing City,State,Zip:		CLEVELAND, OH 44115-1027
Owner Name:		THE SHERWIN WILLIAMS COMPANY
Owner Type:		Other
Operator Name:		CAROL F. DOE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

SHERIN WILLIAMS #1538 (Continued) **1024844058**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE SHERWIN WILLIAMS COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	101 W PROSPECT AVE
Owner/Operator City,State,Zip:	CLEVELAND, OH 44115-1027
Owner/Operator Telephone:	216-566-1710
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CAROL F. DOE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	101 PROSPECT AVE NW
Owner/Operator City,State,Zip:	CLEVELAND, OH 44115
Owner/Operator Telephone:	216-566-1710

SHERIN WILLIAMS #1538 (Continued) **1024844058**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140423
Handler Name: SHERIN WILLIAMS #1538
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44419
NAICS Description: OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

12
SE
1/8-1/4
0.149 mi.
788 ft.

LINDSEY OKEEFE **RCRA NonGen / NLR** **1025838400**
12711 TUSTIN ST. **CAC003017996**
POWAY, CA 92064

Relative:
Higher

Actual:
456 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190604
Handler Name: LINDSEY OKEEFE
Handler Address: 12711 TUSTIN ST.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003017996
Contact Name: LINDSEY OKEEFE
Contact Address: 12711 TUSTIN ST.
Contact City,State,Zip: POWAY, CA 92064
Contact Telephone: 760-331-7229
Contact Fax: Not reported
Contact Email: SDABATEMENT@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported

LINDSEY OKEEFE (Continued) **1025838400**

State District:	Not reported
Mailing Address:	12711 TUSTIN ST.
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	LINDSEY OKEEFE
Owner Type:	Other
Operator Name:	LINDSEY OKEEFE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

LINDSEY OKEEFE (Continued) **1025838400**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LINDSEY OKEEFE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12711 TUSTIN ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-331-7229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LINDSEY OKEEFE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12711 TUSTIN ST.
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-331-7229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190604
Handler Name: LINDSEY OKEEFE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C13 **317-540-64** **US BROWNFIELDS** **1016346528**
NW **12509 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.163 mi.
860 ft. **Site 4 of 5 in cluster C**

Relative:
Higher

Actual:
468 ft.

US BROWNFIELDS:

Name:	317-540-64
Address:	12509 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-64
Parcel size:	0.92
Latitude:	32.952156
Longitude:	-117.059911
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: North County Industrial Medical Clinic, STAR Rehabilitation Center, and Family Practice - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be medical offices, but appears vacant.
Datum:	-
Acres Property ID:	39705
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	San Diego County Medical Buildings, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N

317-540-64 (Continued) **1016346528**

State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-

317-540-64 (Continued) **1016346528**

Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	North County Industrial Medical Clinic, STAR Rehabilitation Center, and Family Practice - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be medical offices, but appears vacant.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708912

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B14 **OAK CREEK APARTMENTS** **RCRA NonGen / NLR** **1026710364**
West **12455 OAK KNOLL RD, UNIT 1G-1F** **CAC003098493**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 2 of 12 in cluster B**

Relative: **Higher**
Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20201223
Handler Name:	OAK CREEK APARTMENTS	
Handler Address:		12455 OAK KNOLL RD, UNIT 1G-1F
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003098493

OAK CREEK APARTMENTS (Continued) **1026710364**

Contact Name:	PATRICIA JACQUEZ
Contact Address:	12455 OAK KNOLL ROAD
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	OAKCREEK@RASNYDER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O BOX 3428
Mailing City,State,Zip:	RANCHO SANTA FE, CA 92067
Owner Name:	FIRESIDE PROPERTIES, INC
Owner Type:	Other
Operator Name:	PATRICIA JACQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

OAK CREEK APARTMENTS (Continued) **1026710364**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FIRESIDE PROPERTIES, INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O BOX 3428
Owner/Operator City,State,Zip:	RANCHO SANTA FE, CA 92067
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PATRICIA JACQUEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12455 OAK KNOLL ROAD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201223
Handler Name: OAK CREEK APARTMENTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

OAK CREEK APARTMENTS (Continued) **1026710364**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B15 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024754406**
West **12455 OAK KNOLL RD.** **CAC002974223**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 3 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20180803
Handler Name: OAKCREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC002974223
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

OAKCREEK APTS. (Continued) **1024754406**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

OAKCREEK APTS. (Continued) **1024754406**

Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180803
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B16 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024764756**
West **12455 OAK KNOLL RD.** **CAC002984624**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 4 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20181012
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002984624

OAKCREEK APTS. (Continued) **1024764756**

Contact Name:	JULIE GREY
Contact Address:	2399 CAMINO DEL RIO S.
Contact City,State,Zip:	SAN DIEGO, CA 92108
Contact Telephone:	619-261-6115
Contact Fax:	Not reported
Contact Email:	NANCYL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

OAKCREEK APTS. (Continued) **1024764756**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181012
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

OAKCREEK APTS. (Continued) **1024764756**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B17 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025839885**
West **12455 OAK KNOLL RD.** **CAC003019485**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 5 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190612
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003019485
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 858-748-9092
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES, INC.
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

OAK CREEK APTS. (Continued) **1025839885**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

OAK CREEK APTS. (Continued) **1025839885**

Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190612
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B18 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1026169700**
West **12455 OAK KNOLL RD.** **CAC003088418**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 6 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20201215
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003097323

OAK CREEK APTS. (Continued) **1026169700**

Contact Name:	JULIE GREY
Contact Address:	2399 CAMINO DEL RIO S.
Contact City,State,Zip:	SAN DIEGO, CA 92108
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	NANCYL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

OAK CREEK APTS. (Continued) **1026169700**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201215
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

OAK CREEK APTS. (Continued) **1026169700**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20201014
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003088418
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6155
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES, INC.
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No

OAK CREEK APTS. (Continued) **1026169700**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6155
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Owner/Operator Indicator: Owner
Owner/Operator Name: R.A. SNYDER PROPERTIES, INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6155
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201014
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20200826
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003081142
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: JULIE@RASNYDER.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

OAK CREEK APTS. (Continued) **1026169700**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904

OAK CREEK APTS. (Continued) **1026169700**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200826
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

OAK CREEK APTS. (Continued) **1026169700**

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		20200818
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003079902
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		858-748-9092
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported

OAK CREEK APTS. (Continued) **1026169700**

Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Historic Generators:
Receive Date: 20200818
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20200708
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003074032
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 858-748-9092
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 2399 CAMINO DEL RIO S.
Mailing City,State,Zip: SAN DIEGO, CA 92108
Owner Name: R.A. SNYDER PROPERTIES, INC.
Owner Type: Other
Operator Name: JULIE GREY
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

OAK CREEK APTS. (Continued) **1026169700**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.

OAK CREEK APTS. (Continued) **1026169700**

Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JULIE GREY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 858-748-9092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200708
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20200605
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003069749
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108

OAK CREEK APTS. (Continued) **1026169700**

Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	NANCYL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S
Mailing City,State,Zip:	SAN DIEGO, CA 92108-3606
Owner Name:	JULIE GREY
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

OAK CREEK APTS. (Continued) **1026169700**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200605
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

OAK CREEK APTS. (Continued) **1026169700**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		20201119
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003093649
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

OAK CREEK APTS. (Continued) **1026169700**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201130
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other

OAK CREEK APTS. (Continued) **1026169700**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6115
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201119
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B19 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1026047734**
West **12455 OAK KNOLL RD.** **CAC003054309**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 7 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20200204
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003054309
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S
Contact City,State,Zip: SAN DIEGO, CA 92108-3606
Contact Telephone: 858-748-9092
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified

OAK CREEK APTS. (Continued) **1026047734**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S
Mailing City,State,Zip:	SAN DIEGO, CA 92108-3606
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

OAK CREEK APTS. (Continued) **1026047734**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108-3606
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108-3606
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200204
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

OAK CREEK APTS. (Continued) **1026047734**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B20 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024747064**
West **12455 OAK KNOLL RD.** **CAC002966836**
1/8-1/4 **POWAY, CA 92054**
0.176 mi.
930 ft. **Site 8 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20180615
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92054
EPA ID:		CAC002966836
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

OAKCREEK APTS. (Continued) **1024747064**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other

OAKCREEK APTS. (Continued) **1024747064**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180615
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B21 **OAKCREEK APTS.** **RCRA NonGen / NLR** **1024759183**
West **12455 OAK KNOLL RD.** **CAC002979030**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 9 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20180905
Handler Name:	OAKCREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002979030
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified

OAKCREEK APTS. (Continued) **1024759183**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

OAKCREEK APTS. (Continued) **1024759183**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180905
Handler Name: OAKCREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

OAKCREEK APTS. (Continued) **1024759183**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B22 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025844429**
West **12455 OAK KNOLL RD.** **CAC003024047**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 10 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20190715
Handler Name:	OAK CREEK APTS.	
Handler Address:		12455 OAK KNOLL RD.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003024047
Contact Name:		JULIE GREY
Contact Address:		2399 CAMINO DEL RIO S.
Contact City,State,Zip:		SAN DIEGO, CA 92108
Contact Telephone:		619-261-6115
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2399 CAMINO DEL RIO S.
Mailing City,State,Zip:		SAN DIEGO, CA 92108
Owner Name:		R.A. SNYDER PROPERTIES, INC.
Owner Type:		Other
Operator Name:		JULIE GREY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

OAK CREEK APTS. (Continued) **1025844429**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other

OAK CREEK APTS. (Continued) **1025844429**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip: SAN DIEGO, CA 92108
Owner/Operator Telephone: 619-261-6115
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190715
Handler Name: OAK CREEK APTS.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B23 **OAK CREEK APTS.** **RCRA NonGen / NLR** **1025833631**
West **12455 OAK KNOLL RD.** **CAC003013208**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 11 of 12 in cluster B**

Relative:
Higher

Actual:
450 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190502
Handler Name: OAK CREEK APTS.
Handler Address: 12455 OAK KNOLL RD.
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC003013208
Contact Name: JULIE GREY
Contact Address: 2399 CAMINO DEL RIO S.
Contact City,State,Zip: SAN DIEGO, CA 92108
Contact Telephone: 619-261-6115
Contact Fax: Not reported
Contact Email: NANCYL@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified

OAK CREEK APTS. (Continued) **1025833631**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2399 CAMINO DEL RIO S.
Mailing City,State,Zip:	SAN DIEGO, CA 92108
Owner Name:	R.A. SNYDER PROPERTIES, INC.
Owner Type:	Other
Operator Name:	JULIE GREY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

OAK CREEK APTS. (Continued) **1025833631**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JULIE GREY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R.A. SNYDER PROPERTIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2399 CAMINO DEL RIO S.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92108
Owner/Operator Telephone:	619-261-6115
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190502
Handler Name: OAK CREEK APTS.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

OAK CREEK APTS. (Continued) **1025833631**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B24 **OAK CREEK - MULTIPLE UNITS ASB** **RCRA NonGen / NLR** **1026167396**
West **12455 OAK KNOLL RD** **CAC003067437**
1/8-1/4 **POWAY, CA 92064**
0.176 mi.
930 ft. **Site 12 of 12 in cluster B**

Relative: **Higher**
Actual: **450 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200519
Handler Name:	OAK CREEK - MULTIPLE UNITS ASB
Handler Address:	12455 OAK KNOLL RD
Handler City,State,Zip:	POWAY, CA 92064-8406
EPA ID:	CAC003067437
Contact Name:	PATTY JACQUEZ
Contact Address:	12455 OAK KNOLL RD
Contact City,State,Zip:	POWAY, CA 92064-8406
Contact Telephone:	858-748-9092
Contact Fax:	Not reported
Contact Email:	OAKCREEK@RASNYDER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12455 OAK KNOLL RD
Mailing City,State,Zip:	POWAY, CA 92064-8406
Owner Name:	FIRESIDE PROPERTY INC.
Owner Type:	Other
Operator Name:	PATTY JACQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported

OAK CREEK - MULTIPLE UNITS ASB (Continued) **1026167396**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PATTY JACQUEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12455 OAK KNOLL RD
Owner/Operator City,State,Zip:	POWAY, CA 92064-8406
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FIRESIDE PROPERTY INC.
Legal Status:	Other

OAK CREEK - MULTIPLE UNITS ASB (Continued) **1026167396**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12455 OAK KNOLL RD
Owner/Operator City,State,Zip:	POWAY, CA 92064-8406
Owner/Operator Telephone:	858-748-9092
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200519
Handler Name:	OAK CREEK - MULTIPLE UNITS ASB
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C25 **317-540-19** **US BROWNFIELDS** **1016346519**
NW **12510 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.181 mi.
957 ft. **Site 5 of 5 in cluster C**

Relative:
Higher

Actual:
473 ft.

US BROWNFIELDS:

Name:	317-540-19
Address:	12510 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-19
Parcel size:	1.19
Latitude:	32.952509
Longitude:	-117.059733
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: McDonald s - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant and to be undergoing renovation.

317-540-19 (Continued) **1016346519**

Datum:	-
Acres Property ID:	39695
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Golden Arch Realty Corp.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-

317-540-19 (Continued) **1016346519**

PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	McDonald s - Facility observed to consist of one building, and parking

317-540-19 (Continued) **1016346519**

and landscaped areas. Facility observed to be fast-food restaurant and to be undergoing renovation.

Below Poverty Number:	206
Below Poverty Percent:	4.4
Meidan Income:	3514
Meidan Income Number:	967
Meidan Income Percent:	20.65
Vacant Housing Number:	147
Vacant Housing Percent:	8.53
Unemployed Number:	214
Unemployed Percent:	4.57

FINDS:
Registry ID: 110038708770

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D26 **317-540-20** **US BROWNFIELDS** **1016346520**
NNW **12538 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.188 mi.
994 ft. **Site 1 of 3 in cluster D**

Relative:
Higher

Actual:
472 ft.

US BROWNFIELDS:

Name:	317-540-20
Address:	12538 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-20
Parcel size:	0.56
Latitude:	32.952874
Longitude:	-117.059254
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Norm s RV - Facility observed to consist of parking lot filled with a few dozen recreational vehicles. Facility observed to be RV sales facility.
Datum:	-
Acres Property ID:	39696
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-

317-540-20 (Continued) **1016346520**

Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Snider Property No. 1, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N

317-540-20 (Continued) **1016346520**

VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Norm s RV - Facility observed to consist of parking lot filled with a few dozen recreational vehicles. Facility observed to be RV sales facility.
Below Poverty Number:	238
Below Poverty Percent:	4.4
Meidan Income:	3480
Meidan Income Number:	1090
Meidan Income Percent:	20.14
Vacant Housing Number:	152
Vacant Housing Percent:	7.79
Unemployed Number:	256
Unemployed Percent:	4.73

317-540-20 (Continued) **1016346520**

FINDS:
Registry ID: 110038708789

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

27
ENE
1/8-1/4
0.189 mi.
1000 ft.

DAUER, DAVID & ANGEL
12737 LA VISTA WAY
POWAY, CA 92064

RCRA NonGen / NLR **1024756760**
CAC002976592

Relative:
Higher

Actual:
465 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20180820
Handler Name:	DAUER, DAVID & ANGEL	
Handler Address:		12737 LA VISTA WAY
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC002976592
Contact Name:		DAUER, DAVID & ANGELA
Contact Address:		12737 LA VISTA WAY
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		707-479-8889
Contact Fax:		Not reported
Contact Email:		VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12737 LA VISTA WAY
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		DAUER, DAVID & ANGELA
Owner Type:		Other
Operator Name:		DAUER, DAVID & ANGELA
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes

DAUER, DAVID & ANGEL (Continued) **1024756760**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAUER, DAVID & ANGELA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12737 LA VISTA WAY
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	707-479-8489
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DAUER, DAVID & ANGEL (Continued) **1024756760**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAUER, DAVID & ANGELA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12737 LA VISTA WAY
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	707-479-8889
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180820
Handler Name: DAUER, DAVID & ANGEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E28 **317-490-17, -31** **US BROWNFIELDS** **1016347233**
North **12605 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.193 mi.
1019 ft. **Site 1 of 10 in cluster E**

Relative:
Higher

Actual:
469 ft.

US BROWNFIELDS:

Name:	317-490-17, -31
Address:	12605 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-17, -31
Parcel size:	0.45
Latitude:	32.953331
Longitude:	-117.058253
HCM Label:	-
Map Scale:	-
Point of Reference:	-

317-490-17, -31 (Continued) **1016347233**

Highlights:	Former Use: Face To Face, State Farm, and Drapery Shoppe - Facility observed to consist of two buildings, and parking areas. Facility observed to be retail and office space.
Datum:	-
Acres Property ID:	39797
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	James M. Dolan, L.D. Frances
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N

317-490-17, -31 (Continued) **1016347233**

Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

317-490-17, -31 (Continued) **1016347233**

Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Face To Face, State Farm, and Drapery Shoppe - Facility observed to consist of two buildings, and parking areas. Facility observed to be retail and office space.
Below Poverty Number:	237
Below Poverty Percent:	4.26
Meidan Income:	8472
Meidan Income Number:	1123
Meidan Income Percent:	20.17
Vacant Housing Number:	151
Vacant Housing Percent:	7.45
Unemployed Number:	269
Unemployed Percent:	4.83

FINDS:
Registry ID: 110038719269

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E29 **FIRESTONE COMPLETE AUTO CARE #793854** **RCRA NonGen / NLR** **1024871923**
North **12619 POWAY RD** **CAL000440569**
1/8-1/4 **POWAY, CA 92064**
0.194 mi.
1022 ft. **Site 2 of 10 in cluster E**

Relative:
Higher

Actual:
465 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20181105
Handler Name:	FIRESTONE COMPLETE AUTO CARE #793854
Handler Address:	12619 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000440569
Contact Name:	C BRIAN SMITH
Contact Address:	200 4TH AVE SOUTH
Contact City,State,Zip:	NASHVILLE, TN 37201
Contact Telephone:	615-937-9520
Contact Fax:	615-493-3333
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	200 4TH AVE SOUTH
Mailing City,State,Zip:	NASHVILLE, TN 37201
Owner Name:	BRIDGESTONE RETAIL OPERATIONS LLC

FIRESTONE COMPLETE AUTO CARE #793854 (Continued) **1024871923**

Owner Type:	Other
Operator Name:	C BRIAN SMITH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

FIRESTONE COMPLETE AUTO CARE #793854 (Continued) **1024871923**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BRIDGESTONE RETAIL OPERATIONS LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 200 4TH AVE SOUTH
Owner/Operator City,State,Zip: NASHVILLE, TN 37201
Owner/Operator Telephone: 615-937-9520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: C BRIAN SMITH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 200 4TH AVE SOUTH
Owner/Operator City,State,Zip: NASHVILLE, TN 37201
Owner/Operator Telephone: 615-937-9520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181105
Handler Name: FIRESTONE COMPLETE AUTO CARE #793854
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E30 **L&M TIRE COMPANY INC DBA EXPRESS TIRE** **RCRA NonGen / NLR** **1024789565**
North **12619 POWAY RD** **CAL000067242**
1/8-1/4 **POWAY, CA 92064**
0.194 mi.
1022 ft. **Site 3 of 10 in cluster E**

Relative:
Higher

Actual:
465 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	19920311
Handler Name:	L&M TIRE COMPANY INC DBA EXPRESS TIRE
Handler Address:	12619 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000067242
Contact Name:	GRETA WAGGONER
Contact Address:	1148 INDUSTRIAL AVENUE
Contact City,State,Zip:	ESCONDIDO, CA 92029
Contact Telephone:	760-741-4044
Contact Fax:	760-741-6891
Contact Email:	GRETAW@EXPRESSTIRE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1148 INDUSTRIAL AVE
Mailing City,State,Zip:	ESCONDIDO, CA 92029
Owner Name:	L&M TIRE COMPANY INC
Owner Type:	Other
Operator Name:	GRETA WAGGONER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **1024789565**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	L&M TIRE COMPANY INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1148 INDUSTRIAL AVE
Owner/Operator City,State,Zip:	ESCONDIDO, CA 92029
Owner/Operator Telephone:	760-741-4044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GRETA WAGGONER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1148 INDUSTRIAL AVENUE
Owner/Operator City,State,Zip:	ESCONDIDO, CA 92029
Owner/Operator Telephone:	760-741-4044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

L&M TIRE COMPANY INC DBA EXPRESS TIRE (Continued) **1024789565**

Historic Generators:
Receive Date: 19920311
Handler Name: L&M TIRE COMPANY INC DBA EXPRESS TIRE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E31 **EXPRESS TIRE** **San Diego Co. HMMD** **S113047537**
North **12619 POWAY RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **HAZNET**
0.194 mi. **SAN DIEGO CO LOP**
1022 ft. **Site 4 of 10 in cluster E** **CERS**
HWTS

Relative:
Higher

Actual:
465 ft.

HMMD SAN DIEGO:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000440569
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-748-6330+ -
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 07/22/2021
Facility Owner: Not reported
Facility Mailing Address: 200 4th Ave South Attn: Environmental-BSRO, Nashville , TN 37201
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N

EXPRESS TIRE (Continued) **S113047537**

Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-116311
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4828390
Return To Compliance Date: 2016-04-25T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-07-22T00:00:00.000
Inspection Date: 2016-04-12T13:51:00.000
Violation Code: 1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-116311
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5884033
Return To Compliance Date: 2018-04-25T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-07-22T00:00:00.000
Inspection Date: 2018-03-29T13:02:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-116311
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5884033
Return To Compliance Date: 2018-04-25T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-07-22T00:00:00.000
Inspection Date: 2018-03-29T13:02:00.000
Violation Code: 1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

UST DTL:
Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

EXPRESS TIRE (Continued) **S113047537**

Active Permit:	Y
Facility Id Number:	37-000-116311
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Firestone Complete Auto Care
Tankid:	24039
Tank Status:	Removed
Date Ust Permanently Closed:	01/12/1987
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2021-07-22T02:36:37.000
Tank Capacityin Gallons:	500
Tank Contents:	Not reported
Type Of Tank:	01

Waste and Materials:

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0222566
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-03-19T03:31:26.000
Chemical Name:	Not reported
Common Name:	Antifreeze; Ethylene Glycol (Drums)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0192247
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-19T03:31:26.000
Chemical Name:	Not reported
Common Name:	Used Paper & Metal Filters (Drum)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0257649
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-07-22T02:36:37.000
Chemical Name:	Glycol based
Common Name:	Used Brake Fluid
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0185589
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-26T14:59:59.000
Chemical Name:	Oil, Lubricating: Motor Oil, ATF
Common Name:	OIL, LUBRICATING

EXPRESS TIRE (Continued) **S113047537**

Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100161
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: OIL, LUBRICATING
Common Name: OIL, LUBRICATING
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100162
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: NITROGEN LIQUID
Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0100163
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: ANTIFREEZE (ETHYLENE GLYCOL)
Common Name: ANTIFREEZE (ETHYLENE GLYCOL)
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081899
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081900
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PART CLEANER
Case Number: Not reported

EXPRESS TIRE (Continued) **S113047537**

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081901
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: Ethylene Glycol
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0081902
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-04-29T01:34:47.000
Chemical Name: Aqueous solution
Common Name: Brake Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185590
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: NITROGEN LIQUID
Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185591
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: ANTIFREEZE (ETHYLENE GLYCOL)
Common Name: ANTIFREEZE (ETHYLENE GLYCOL)
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160274
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

EXPRESS TIRE (Continued) **S113047537**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0160275
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PART CLEANER
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160276
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: Waste Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160277
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T14:59:59.000
Chemical Name: Aqueous solution
Common Name: Brake Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234343
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234344
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234345

EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234346
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234347
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234348
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234349
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0234350
Trade Secret: N
Hazardous Material Type: Not reported

EXPRESS TIRE (Continued) **S113047537**

Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Used EcoBox Plastic Bags (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211292
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211293
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST & Drums)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183450
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183451
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183452
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported

EXPRESS TIRE (Continued) **S113047537**

Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183453
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183454
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183455
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183456
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-15T01:17:10.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257651
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Petroleum Hydrocarbons
Common Name: Used Motor Oil
Case Number: Not reported

EXPRESS TIRE (Continued) **S113047537**

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257652
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257653
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Not reported
Common Name: Used Oil Filters (Paper/Metal)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263799
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Motor Oil; (AST, Totes, & EcoBoxes)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0263800
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-01-20T00:36:21.000
Chemical Name: Not reported
Common Name: Lead/Acid Automotive Battery (New)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

EXPRESS TIRE (Continued) **S113047537**

Active Permit: Y
Child Record Id: DEH2021-HWAST-0257655
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0288877
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0288878
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Not reported
Common Name: Lead-Acid Batteries (new/used automotive)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0288879
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Petroleum Hydrocarbons
Common Name: Motor Oil
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257647
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Ethylene Glycol based
Common Name: Used Antifreeze
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257648

EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Aqueous Solution
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257650
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Not reported
Common Name: Used Empty EcoBox Plastic Bags
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0257654
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:36:37.000
Chemical Name: Oil/Water Mitxture
Common Name: Used Oil/Water Mix
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141001
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: OIL, LUBRICATING
Common Name: OIL, LUBRICATING
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141002
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-03T02:31:55.000
Chemical Name: NITROGEN LIQUID
Common Name: NITROGEN LIQUID
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141003
Trade Secret: N
Hazardous Material Type: Mixture

EXPRESS TIRE (Continued) **S113047537**

Last Updated:	2018-05-03T02:31:55.000
Chemical Name:	ANTIFREEZE (ETHYLENE GLYCOL)
Common Name:	ANTIFREEZE (ETHYLENE GLYCOL)
Case Number:	107-21-1
Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0119566
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-03T02:31:55.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE OIL
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0119567
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-03T02:31:55.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name:	PART CLEANER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0119568
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-03T02:31:55.000
Chemical Name:	Ethylene Glycol
Common Name:	Waste Antifreeze
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0119569
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-03T02:31:55.000
Chemical Name:	Aqueous solution
Common Name:	Brake Washer Waste
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0222567
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-03-19T03:31:26.000
Chemical Name:	Not reported

EXPRESS TIRE (Continued) **S113047537**

Common Name: Motor Oil; (AST, Totes, & EcoBoxes)
Case Number: 64742-53-6

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192241
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192242
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Brake Fluid; Glycol based (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192243
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192244
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192245
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Box)
Case Number: Not reported

EXPRESS TIRE (Continued) **S113047537**

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192246
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192248
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Lead/Acid Automotive Battery (New & Used)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192249
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-19T03:31:26.000
Chemical Name: Not reported
Common Name: Used EcoBox Plastic Bags (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0203584
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-12-29T00:42:43.000
Chemical Name: 1,1,1,2-Tetrafluoroethane
Common Name: R134A Freon Gas
Case Number: 811-97-2

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0203585
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-12-29T00:42:43.000
Chemical Name: Not reported
Common Name: Antifreeze; Ethylene Glycol (Drums)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed

EXPRESS TIRE (Continued) **S113047537**

Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0203586
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-12-29T00:42:43.000
Chemical Name:	Not reported
Common Name:	Motor Oil; (AST & Drums)
Case Number:	64742-53-6

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175608
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-12-29T00:42:44.000
Chemical Name:	Not reported
Common Name:	Used Antifreeze; Ethylene Glycol (Drums)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175609
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-12-29T00:42:44.000
Chemical Name:	Not reported
Common Name:	Used Brake Fluid; Glycol based (Drum)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175610
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-12-29T00:42:44.000
Chemical Name:	Not reported
Common Name:	Used Motor Oil; Petroleum Hydrocarbons (AST)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175611
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-12-29T00:42:44.000
Chemical Name:	Not reported
Common Name:	Used Oily Cleaning Supplies/Absorbents (Drum)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-116311
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175612

EXPRESS TIRE (Continued) **S113047537**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Non-Empty Aerosol Cans (Drum)
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175613
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Aqueous Parts Washer Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-116311
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175614
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-12-29T00:42:44.000
Chemical Name: Not reported
Common Name: Used Paper & Metal Filters (Drum)
Case Number: Not reported

CERS HAZ WASTE:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 115417
CERS ID: 10374124
CERS Description: Hazardous Waste Generator

HAZNET:
Name: FIRESTONE COMPLETE AUTO CARE #793854
Address: 12619 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 372010000
Contact: BRIDGESTONE RETAIL OPERATIONS LLC
Telephone: 6159379520
Mailing Name: Not reported
Mailing Address: 200 4TH AVE SOUTH

Year: 2019
Gepaid: CAL000440569
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.30000

EXPRESS TIRE (Continued) **S113047537**

Year:	2019
Gepaid:	CAL000440569
TSD EPA ID:	AZR000521146
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2019
Gepaid:	CAL000440569
TSD EPA ID:	AZR000521146
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.75000
Year:	2019
Gepaid:	CAL000440569
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.10425
Year:	2018
Gepaid:	CAL000067242
TSD EPA ID:	CAT080013352
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.45950
Year:	2018
Gepaid:	CAL000067242
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.16250
Year:	2018
Gepaid:	CAL000067242
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.20096
Year:	2017
Gepaid:	CAL000067242
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2013

EXPRESS TIRE (Continued) **S113047537**

Gepaid: CAL000067242
TSD EPA ID: CAD097030993
CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06255

Year: 2013
Gepaid: CAL000067242
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.60545

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2004
Gen EPA ID: CAL000067242

Shipment Date: 20040406
Creation Date: 10/14/2004 15:19:37
Receipt Date: 20040414
Manifest ID: 23331936
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D / K - ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040212
Creation Date: 8/20/2004 9:31:41
Receipt Date: 20040217
Manifest ID: 22574139
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC

EXPRESS TIRE (Continued) **S113047537**

TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000067242
Shipment Date:	20050119
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050124
Manifest ID:	24027566
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000067242
Shipment Date:	20010222
Creation Date:	6/27/2001 0:00:00
Receipt Date:	20010228
Manifest ID:	20785200
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported

EXPRESS TIRE (Continued) **S113047537**

TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000067242
Shipment Date:	20030825
Creation Date:	7/29/2004 7:43:17
Receipt Date:	20030827
Manifest ID:	22388407
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030311
Creation Date:	3/16/2007 18:30:41
Receipt Date:	20030313
Manifest ID:	22442043
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station

EXPRESS TIRE (Continued) **S113047537**

Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000067242
Shipment Date:	20130522
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	010874124JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.60545
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130308
Creation Date:	5/1/2013 22:15:05
Receipt Date:	20130314
Manifest ID:	010858538JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G

EXPRESS TIRE (Continued) **S113047537**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000067242
Shipment Date:	19991221
Creation Date:	3/7/2000 0:00:00
Receipt Date:	19991221
Manifest ID:	99132182
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000067242
Shipment Date:	20020501
Creation Date:	7/19/2002 15:54:46
Receipt Date:	20020503
Manifest ID:	21369378
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.3352
Waste Quantity:	560
Quantity Unit:	G

EXPRESS TIRE (Continued) **S113047537**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL000067242
Shipment Date:	19930119
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930129
Manifest ID:	90861091
Trans EPA ID:	CAD981161706
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0333
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000067242
Shipment Date:	20080411
Creation Date:	6/4/2008 18:30:29
Receipt Date:	20080414
Manifest ID:	004547872JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.68
Waste Quantity:	400

EXPRESS TIRE (Continued) **S113047537**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000067242
Shipment Date:	20060227
Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060301
Manifest ID:	24822792
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060227
Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060301
Manifest ID:	24822792
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D / K - ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

EXPRESS TIRE (Continued) **S113047537**

Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAL000067242

Shipment Date: 20170717
Creation Date: 5/17/2018 18:31:47
Receipt Date: 20170728
Manifest ID: 017452597JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170401
Creation Date: 5/4/2018 18:30:52
Receipt Date: 20170411
Manifest ID: 016856760JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

EXPRESS TIRE (Continued) **S113047537**

SAN DIEGO CO LOP:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1987-LSAM-H16311-001
Record Status:	Completed
Opened Date:	06/05/1987
Parcel Number:	317-490-41-00
Case Type:	LOP - Local Oversight Program
Historical Name:	EAGLE TIRE
SWRCB Global ID:	T0607300148
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/08/1987
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9532784
Longitude:	-117.0574488
X MapCoord:	6313993.615
Y MapCoord:	1927563.985

CERS:

Name:	FIRESTONE COMPLETE AUTO CARE #793854
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	115417
CERS ID:	10374124
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	115417
Site Name:	Firestone Complete Auto Care #793854
Violation Date:	03-29-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 04/25/2018. Inspection Sequence ID:5884033
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	115417
Site Name:	Firestone Complete Auto Care #793854
Violation Date:	03-29-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/25/2018. Inspection Sequence ID:5884033
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

EXPRESS TIRE (Continued) **S113047537**

Violation Source: CERS,

Site ID: 115417
Site Name: Firestone Complete Auto Care #793854
Violation Date: 04-12-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/25/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: White Ryan Inspection ID:6410591
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5884033
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5884033
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4828390
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: White Ryan Inspection ID:6410591

EXPRESS TIRE (Continued) **S113047537**

Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4828390
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	115417
Facility Name:	Firestone Complete Auto Care #793854
Env Int Type Code:	HWG
Program ID:	10374124
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.953280
Longitude:	-117.057450

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Bridgestone Retail Operations, LLC
Entity Title:	Not reported
Affiliation Address:	200 4th Ave South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37201
Affiliation Phone:	(209) 482-5486,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bridgestone Retail Operations, LLC. (BSRO)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sheila Caballero-BSRO
Entity Title:	Not reported
Affiliation Address:	200 4th Avenue South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37201
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address

EXPRESS TIRE (Continued) **S113047537**

Entity Title:	Not reported
Affiliation Address:	200 4th Ave South Attn: Environmental-BSRO
Affiliation City:	Nashville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37201
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	FIRESTONE COMPLETE AUTO CARE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-6330,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sheila Caballero
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Sheila Caballero
Entity Title:	Environmental Compliance Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 920644415
Site ID:	195952
CERS ID:	T0607300148
CERS Description:	Leaking Underground Storage Tank Cleanup Site

EXPRESS TIRE (Continued) **S113047537**

HWTS:

Name:	FIRESTONE COMPLETE AUTO CARE #793854
Address:	12619 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000440569
Inactive Date:	Not reported
Create Date:	11/05/2018
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	200 4TH AVE SOUTH
Mailing Address 2:	SUITE 100
Mailing City,State,Zip:	NASHVILLE, TN 372010000
Owner Name:	BFS RETAIL & COMMERICAL LLC
Owner Address:	200 4TH AVE SOUTH
Owner Address 2:	SUITE 100
Owner City,State,Zip:	NASHVILLE, TN 372010000
Contact Name:	BRIDGESTONE RETAIL OPERATIONS, LLC
Contact Address:	200 4TH AVE SOUTH
Contact Address 2:	ATTN: ENVIRONMENTAL-BSRO
City,State,Zip:	NASHVILLE, TN 372017201

NAICS:

EPA ID:	CAL000440569
Create Date:	2018-11-05 10:44:11.257
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2018-11-05 10:44:11.24000
Inactive Date:	Not reported
Facility Name:	FIRESTONE COMPLETE AUTO CARE #793854
Facility Address:	12619 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Name:	L&M TIRE COMPANY INC DBA EXPRESS TIRE
Address:	12619 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000067242
Inactive Date:	Not reported
Create Date:	03/11/1992
Last Act Date:	07/10/2020
Mailing Name:	Not reported
Mailing Address:	1148 INDUSTRIAL AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ESCONDIDO, CA 92029
Owner Name:	L&M TIRE COMPANY INC
Owner Address:	1148 INDUSTRIAL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ESCONDIDO, CA 92029
Contact Name:	GRETA WAGGONER
Contact Address:	1148 INDUSTRIAL AVENUE
Contact Address 2:	Not reported

EXPRESS TIRE (Continued) **S113047537**

City,State,Zip: ESCONDIDO, CA 92029

NAICS:

EPA ID:	CAL000067242
Create Date:	2005-01-06 14:37:58.007
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1992-03-11 00:00:00
Inactive Date:	Not reported
Facility Name:	L&M TIRE COMPANY INC DBA EXPRESS TIRE
Facility Address:	12619 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

E32 **317-490-41** **US BROWNFIELDS** **1011974729**
North **12619 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.194 mi.
1022 ft. **Site 5 of 10 in cluster E**

Relative: **Higher**

Actual: **465 ft.**

US BROWNFIELDS:

Name:	317-490-41
Address:	12619 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-41
Parcel size:	0.67
Latitude:	32.953559
Longitude:	-117.057974
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Goodyear - Facility observed to consist of one building and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Datum:	-
Acres Property ID:	39798
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-

317-490-41 (Continued) **1011974729**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Donald W. Schauer, Margaret D. Peterson
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-

317-490-41 (Continued) **1011974729**

Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Goodyear - Facility observed to consist of one building and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Below Poverty Number:	259
Below Poverty Percent:	4.46
Meidan Income:	8524
Meidan Income Number:	1154
Meidan Income Percent:	19.88
Vacant Housing Number:	154
Vacant Housing Percent:	7.32
Unemployed Number:	273
Unemployed Percent:	4.7

FINDS:
Registry ID: 110038719278

Click Here:

Environmental Interest/Information System:

317-490-41 (Continued) **1011974729**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Registry ID: 110038216686

Click Here:

Environmental Interest/Information System:
STATE MASTER
UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E33 **EAGLE TIRE COMPANY** **LUST** **S102429055**
North **12619 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.194 mi.
1022 ft. **Site 6 of 10 in cluster E**

Relative: **Higher**

Actual: **465 ft.**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1173
Local Case:	H16311-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	06/08/1987
Date Stopped:	06/05/1987
Confirm Date:	06/05/1987
Submit Workplan:	Not reported
Prelim Assess:	02/17/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/01/1989
Enforce Date:	Not reported
Closed Date:	9/26/91
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	Not reported
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed

Interim Remedial Actions: Yes

EAGLE TIRE COMPANY (Continued) **S102429055**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

E34 **EXPRESS TIRE** **LUST** **S100934901**
North **12619 POWAY RD** **SAN DIEGO CO. SAM** **N/A**
1/8-1/4 **POWAY, CA 92064** **San Diego Co. HMMD**
0.194 mi. **SWEEPS UST**
1022 ft. **Site 7 of 10 in cluster E** **Cortese**
HIST CORTESE

Relative:
Higher

Actual:
465 ft.

LUST:

Name:	EXPRESS TIRE
Address:	12619 POWAY RD
City,State,Zip:	POWAY, CA 920644415
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300148
Global Id:	T0607300148
Latitude:	32.953286
Longitude:	-117.057458
Status:	Completed - Case Closed
Status Date:	10/10/1991
Case Worker:	Not reported
RB Case Number:	9UT1173
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H16311-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0607300148
Action Type:	ENFORCEMENT
Date:	09/26/1991
Action:	Closure/No Further Action Letter

Global Id:	T0607300148
Action Type:	Other
Date:	06/08/1987
Action:	Leak Discovery

Global Id:	T0607300148
Action Type:	Other
Date:	06/05/1987
Action:	Leak Reported

Global Id:	T0607300148
Action Type:	Other
Date:	06/08/1987
Action:	Leak Began

Global Id:	T0607300148
Action Type:	Other
Date:	06/05/1987
Action:	Leak Stopped

EXPRESS TIRE (Continued) **S100934901**

LUST:
Global Id: T0607300148
Status: Open - Case Begin Date
Status Date: 06/05/1987

Global Id: T0607300148
Status: Completed - Case Closed
Status Date: 10/10/1991

SAN DIEGO CO. SAM:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 920644415
Case Number: H16311-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/10/1991
Date Began: 6/8/1987

HMMD SAN DIEGO:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 116311
Business Type: 6HK26
EPA Id Number: CAL000067242
APN: 317-490-41-00
Last HMMD Inspection: 04/19/2011
Facility Telephone: 858-748-6330
Permit Status: OPEN
Permit Expiration: 05/31/2013
Date Last Updated: 11/02/2012
Facility Owner: L & M TIRE CO, INC
Facility Mailing Address: 1148 INDUSTRIAL AV
Facility Mailing City: ESCONDIDO
Facility Mailing State: CA
Facility Mailing Zip: 92029-
UST Owner: EAGLE TIRE & SERVICE CENTER
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 116311
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ANTIFREEZE (ETHYLENE GLYCOL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

EXPRESS TIRE (Continued) **S100934901**

Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: CRYOGENIC

Permit Number: 116311
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING
Other Information: MOTOR, ATF (2-ASTS)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PART CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: (DBL)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 116311
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 116311

EXPRESS TIRE (Continued) **S100934901**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	SPENT OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	02/17/2006
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	02/17/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/07/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/07/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/07/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

EXPRESS TIRE (Continued) **S100934901**

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/07/2008
Violation Code:	6HV0235
Violation:	WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation:	Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/07/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	04/19/2011
Violation Code:	6HV0414
Violation:	DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation:	Failed to train employees annually. 66265.16(c)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	116311
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 116311 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	116311
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1972-01-01 00:00:00

EXPRESS TIRE (Continued) **S100934901**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 16311
Number: Not reported
Board Of Equalization: 44-022951
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-016311-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Name: EXPRESS TIRE
Address: 12619 POWAY RD
City: POWAY
Status: Active
Comp Number: 16311
Number: 9
Board Of Equalization: 44-022951
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CORTESE:
Name: EXPRESS TIRE
Address: 12619 POWAY RD
City,State,Zip: POWAY, CA 920644415
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300148
Site/Facility Type: LUST CLEANUP SITE

EXPRESS TIRE (Continued) **S100934901**

Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	EAGLE TIRE COMPANY
edr_fadd1:	12619 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1173

F35 **EL DORADO COLLISION CENTER** **RCRA NonGen / NLR** **1024811310**
NW **12502 POWAY RD** **CAL000294421**
1/8-1/4 **POWAY, CA 92064**
0.197 mi.
1041 ft. **Site 1 of 11 in cluster F**

Relative:
Higher

Actual:
473 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20050523
Handler Name:	EL DORADO COLLISION CENTER
Handler Address:	12502 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-4305
EPA ID:	CAL000294421
Contact Name:	JOHN TYCZKI
Contact Address:	12502 POWAY RD
Contact City,State,Zip:	POWAY, CA 92126
Contact Telephone:	858-748-0603
Contact Fax:	858-748-4605
Contact Email:	SUSANM@JM-AB.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12502 POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064-0000

EL DORADO COLLISION CENTER (Continued) **1024811310**

Owner Name:	JOHN TYCZKI
Owner Type:	Other
Operator Name:	JOHN TYCZKI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

EL DORADO COLLISION CENTER (Continued) **1024811310**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: JOHN TYCZKI
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 518 TELFORD LN
Owner/Operator City,State,Zip: RAMONA, CA 92065-0000
Owner/Operator Telephone: 619-520-9910
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOHN TYCZKI
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12502 POWAY RD
Owner/Operator City,State,Zip: POWAY, CA 92126
Owner/Operator Telephone: 858-748-0603
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20050523
Handler Name: EL DORADO COLLISION CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F36 **317-540-17, -18** **US BROWNFIELDS** **1006826745**
NW **12502 POWAY ROAD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS HAZ WASTE**
0.197 mi. **FINDS**
1041 ft. **Site 2 of 11 in cluster F** **ECHO**
EMI
Relative: **CERS**
Higher

Actual: **473 ft.**

US BROWNFIELDS:

Name:	317-540-17, -18
Address:	12502 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-17, -18
Parcel size:	0.69
Latitude:	32.952292
Longitude:	-117.06019
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: El Dorado Auto Body & Paint; Facility observed to consist of one building, and parking areas. Facility observed to be auto body shop with service bays. Several apparent gas cylinders observed.
Datum:	-
Acres Property ID:	39694
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Mildred W. Taylor/Vincent Cavallaro Family Trusts
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-

317-540-17, -18 (Continued) **1006826745**

IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-

317-540-17, -18 (Continued) **1006826745**

SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	El Dorado Auto Body & Paint; Facility observed to consist of one building, and parking areas. Facility observed to be auto body shop with service bays. Several apparent gas cylinders observed.
Below Poverty Number:	206
Below Poverty Percent:	4.31
Meidan Income:	4692
Meidan Income Number:	983
Meidan Income Percent:	20.59
Vacant Housing Number:	147
Vacant Housing Percent:	8.39
Unemployed Number:	221
Unemployed Percent:	4.63

HMMD SAN DIEGO:

Name:	EL DORADO COLLISION CENTER
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	205318
Business Type:	6HK27
EPA Id Number:	CAL000294421
APN:	317-540-18-00
Last HMMD Inspection:	04/25/2007
Facility Telephone:	858-566-3613
Permit Status:	CHNG
Permit Expiration:	05/31/2010
Date Last Updated:	11/02/2012
Facility Owner:	JOHN TYCZKI JR
Facility Mailing Address:	12502 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

317-540-17, -18 (Continued) **1006826745**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: EL DORADO AUTO BODY & PAINT
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 103007
Business Type: 6HK27
EPA Id Number: CAL000039375
APN: 317-540-18-00
Last HMMD Inspection: 11/04/2003
Facility Telephone: 858-566-3613
Permit Status: CHNG
Permit Expiration: 05/31/2005
Date Last Updated: 11/02/2012
Facility Owner: MILDRED TAYLOR
Facility Mailing Address: 12502 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4305
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: EL DORADO COLLISION CENTER
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 205318
Business Type: 6HK27
EPA Id Number: CAL000294421
APN: 317-540-18-00
Last HMMD Inspection: 04/25/2007
Facility Telephone: 858-566-3613
Permit Status: CHNG
Permit Expiration: 05/31/2010
Date Last Updated: 11/02/2012
Facility Owner: JOHN TYCZKI JR
Facility Mailing Address: 12502 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CERS HAZ WASTE:
Name: EL DORADO COLLISION CENTER
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064

317-540-17, -18 (Continued) **1006826745**

Site ID: 113959
CERS ID: 10374838
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110013858851

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
Registry ID: 110038708761

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110055877289

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1006826745
Registry ID: 110055877289
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055877289
Name: EL DORADO COLLISION CENTER
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064

EMI:
Name: EL DORADO AUTO BODY & PAINT
Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 1048
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

317-540-17, -18 (Continued) **1006826745**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

317-540-17, -18 (Continued) **1006826745**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.742088349
Reactive Organic Gases Tons/Yr:	0.684435
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD

317-540-17, -18 (Continued) **1006826745**

SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.742088349
Reactive Organic Gases Tons/Yr:	.684435
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37

317-540-17, -18 (Continued) **1006826745**

Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8
Reactive Organic Gases Tons/Yr:	.76
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.80000000000000004
Reactive Organic Gases Tons/Yr:	0.76000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1048
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.80000000000000004
Reactive Organic Gases Tons/Yr:	0.76000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	EL DORADO COLLISION CENTER

317-540-17, -18 (Continued) **1006826745**

Address: 12502 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 113959
CERS ID: 10374838
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5646718
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4086771
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6119406
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5646718
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4086771
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6119406
Eval Division: San Diego County Department of Env Health

317-540-17, -18 (Continued) **1006826745**

Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 113959
Facility Name: EL DORADO COLLISION CENTER
Env Int Type Code: HWG
Program ID: 10374838
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.952920
Longitude: -117.060170

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JOHN TYCZKI
Entity Title: Not reported
Affiliation Address: 12502 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: PAUL TEIXERA
Entity Title: MGR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Operator
Entity Name: JB COLLISION SERVICE INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 748-0603,

Affiliation Type Desc: Parent Corporation
Entity Name: EL DORADO COLLISION CENTER

317-540-17, -18 (Continued) **1006826745**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12502 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TYCZKI JOHN J JR
Entity Title:	Not reported
Affiliation Address:	12502 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(619) 520-9910,
Name:	EL DORADO AUTO BODY & PAINT
Address:	12502 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	466095
CERS ID:	110013858851
CERS Description:	US EPA Air Emission Inventory System (EIS)

D37 **13102 RIDGEDALE DR.** **RCRA NonGen / NLR** **1026465663**
NNW **13102 RIDGEDALE DR.** **CAC003070911**
1/8-1/4 **POWAY, CA 92064**
0.200 mi.
1055 ft. **Site 2 of 3 in cluster D**

Relative:
Higher

Actual:
472 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200615
Handler Name:	13102 RIDGEDALE DR.	
Handler Address:		13102 RIDGEDALE DR.
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003070911
Contact Name:		TAELAR MATURANI
Contact Address:		6398 DEL CERRO BLVD.
Contact City,State,Zip:		SAN DIEGO, CA 92120
Contact Telephone:		619-770-9457
Contact Fax:		Not reported
Contact Email:		NANCYL@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified

13102 RIDGEDALE DR. (Continued) **1026465663**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6398 DEL CERRO BLVD.
Mailing City,State,Zip:	SAN DIEGO, CA 92120
Owner Name:	FBS PROPERTY MGMT.
Owner Type:	Other
Operator Name:	TAELAR MATURANI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

13102 RIDGEDALE DR. (Continued) **1026465663**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TAELAR MATURANI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6398 DEL CERRO BLVD.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92120
Owner/Operator Telephone:	619-770-9457
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FBS PROPERTY MGMT.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6398 DEL CERRO BLVD.
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92120
Owner/Operator Telephone:	619-770-9457
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200615
Handler Name: 13102 RIDGEDALE DR.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

13102 RIDGEDALE DR. (Continued) **1026465663**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D38 NNW 1/8-1/4 0.200 mi. 1055 ft. **317-460-09** **13102 RIDGEDALE DRIVE** **POWAY, CA 92064** **US BROWNFIELDS FINDS ECHO** **1016347214 N/A**

Site 3 of 3 in cluster D

Relative: Higher

Actual: 472 ft.

US BROWNFIELDS:

Name:	317-460-09
Address:	13102 RIDGEDALE DRIVE
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-460-09
Parcel size:	0.27
Latitude:	32.95331
Longitude:	-117.058781
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Single-family residence - Facility observed to consist of one single-family residence, driveway, and yard.
Datum:	-
Acres Property ID:	39775
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Snider Property No. 2, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-

317-460-09 (Continued) **1016347214**

Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-

317-460-09 (Continued) **1016347214**

Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Single-family residence - Facility observed to consist of one single-family residence, driveway, and yard.
Below Poverty Number:	238
Below Poverty Percent:	4.4
Meidan Income:	3480
Meidan Income Number:	1090
Meidan Income Percent:	20.14
Vacant Housing Number:	152
Vacant Housing Percent:	7.79
Unemployed Number:	256
Unemployed Percent:	4.73

FINDS:
Registry ID: 110070860729

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038719045

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Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

317-460-09 (Continued) **1016347214**

electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016347214
Registry ID:	110070860729
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070860729
Name:	13102 RIDGEDALE DR.
Address:	13102 RIDGEDALE DR.
City,State,Zip:	POWAY, CA 92064

G39 **317-540-27** **US BROWNFIELDS** **1016346522**
WNW **12443 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.207 mi.
1091 ft. **Site 1 of 10 in cluster G**

Relative: **Higher**
Actual: **464 ft.**

US BROWNFIELDS:

Name:	317-540-27
Address:	12443 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-27
Parcel size:	0.45
Latitude:	32.951853
Longitude:	-117.061282
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Advanced Care Veterinary Hospital - Facility observed to consist of one building, and parking and landscaped areas. One groundwater monitoring well observed in northwest portion of facility in landscaped area.
Datum:	-
Acres Property ID:	39698
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006

317-540-27 (Continued) **1016346522**

Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Alexander R. Yankopoulos
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

317-540-27 (Continued) **1016346522**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Advanced Care Veterinary Hospital - Facility observed to consist of one building, and parking and landscaped areas. One groundwater monitoring well observed in northwest portion of facility in landscaped area.
Below Poverty Number:	192
Below Poverty Percent:	4.17
Meidan Income:	4372
Meidan Income Number:	978
Meidan Income Percent:	21.25
Vacant Housing Number:	144
Vacant Housing Percent:	8.47
Unemployed Number:	214
Unemployed Percent:	4.65

FINDS:
Registry ID: 110038708805

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

317-540-27 (Continued) **1016346522**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E40 **317-460-08** **US BROWNFIELDS** **1016347213**
NNW **12570 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.211 mi.
1115 ft. **Site 8 of 10 in cluster E**

Relative:
Higher

Actual:
474 ft.

US BROWNFIELDS:

Name:	317-460-08
Address:	12570 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-460-08
Parcel size:	0.24
Latitude:	32.953508
Longitude:	-117.058519
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: All Star Glass - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be residence converted to glass installation business.
Datum:	-
Acres Property ID:	39774
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Tolles Family Trust 07-09-92
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-460-08 (Continued) **1016347213**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-460-08 (Continued) **1016347213**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	All Star Glass - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be residence converted to glass installation business.
Below Poverty Number:	237
Below Poverty Percent:	4.27
Meidan Income:	7915
Meidan Income Number:	1119
Meidan Income Percent:	20.16
Vacant Housing Number:	151
Vacant Housing Percent:	7.49
Unemployed Number:	268
Unemployed Percent:	4.83

FINDS:
Registry ID: 110038719036

Click Here:

Environmental Interest/Information System:
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G41 **OIL CHANGERS #604** **RCRA NonGen / NLR** **1024787684**
WNW **12459 POWAY ROAD** **CAL000035887**
1/8-1/4 **POWAY, CA 92064**
0.216 mi.
1138 ft. **Site 2 of 10 in cluster G**

Relative: **Higher**

Actual: **465 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19900705
Handler Name:	OIL CHANGERS #604	
Handler Address:		12459 POWAY ROAD
Handler City,State,Zip:		POWAY, CA 92064-0000
EPA ID:		CAL000035887
Contact Name:		JOHN DENHOLM
Contact Address:		4511 WILLOW ROAD STE 1
Contact City,State,Zip:		PLEASANTON, CA 94588
Contact Telephone:		925-734-5816
Contact Fax:		925-734-5858
Contact Email:		COMPLIANCE@OILCHANGERINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		4511 WILLOW RD STE 1
Mailing City,State,Zip:		PLEASANTON, CA 94588-9037
Owner Name:		OIL CHANGER INC
Owner Type:		Other
Operator Name:		JOHN DENHOLM
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OIL CHANGERS #604 (Continued) **1024787684**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OIL CHANGER INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4511 WILLOW RD STE 1
Owner/Operator City,State,Zip:	PLEASANTON, CA 94588-0000
Owner/Operator Telephone:	925-734-5800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN DENHOLM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4511 WILLOW ROAD STE 1
Owner/Operator City,State,Zip:	PLEASANTON, CA 94588
Owner/Operator Telephone:	925-734-5816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OIL CHANGERS #604 (Continued) **1024787684**

Historic Generators:
Receive Date: 19900705
Handler Name: OIL CHANGERS #604
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 4884
NAICS Description: SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G42 **OIL CHANGER #604** **AST** **A100422932**
WNW **12459 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.216 mi.
1138 ft. **Site 3 of 10 in cluster G**

Relative: Higher
Actual: 465 ft.

AST:
Name: OIL CHANGER #604
Address: 12459 POWAY RD
City/Zip: POWAY,92064
Certified Unified Program Agencies: Not reported
Owner: Oil Changer, Inc.
Total Gallons: Not reported
CERSID: 10055611
Facility ID: 37-000-129197
Business Name: Oil Changer, Inc.
Phone: 858-486-4208
Fax: Not reported
Mailing Address: 4511 WILLOW RD #1
Mailing Address City: PLEASANTON
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: OIL CHANGERS #604
Operator Phone: 858-486-4208
Owner Phone: 9257345800
Owner Mail Address: 4511 Willow Rd. #1
Owner State: CA
Owner Zip Code: 94588

OIL CHANGER #604 (Continued) **A100422932**

Owner Country:	United States
Property Owner Name:	Poway Country Plaza
Property Owner Phone:	Not reported
Property Owner Mailing Address:	7968 Engineering Rd., Suite 108
Property Owner City:	SAN DIEGO
Property Owner Stat :	CA
Property Owner Zip Code:	92111
Property Owner Country:	United States
EPAID:	CAL000035887

G43 **317-540-26** **US BROWNFIELDS** **1016346521**
WNW **12455 AND 12459 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.216 mi.
1138 ft. **Site 4 of 10 in cluster G**

Relative:
Higher

Actual:
465 ft.

US BROWNFIELDS:

Name:	317-540-26
Address:	12455 AND 12459 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-26
Parcel size:	1
Latitude:	32.951869
Longitude:	-117.060782
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Poway Country Plaza - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be small shopping center with oil change garage. One groundwater monitoring well observed at this facility near Poway Road. Four 55-gallon drums observed in fenced enclosure.
Datum:	World Geodetic System of 1984
Acres Property ID:	39697
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006

317-540-26 (Continued) **1016346521**

Current Owner:	Richard Pavelec/Cissy Fisher Family Trust 09-14-94
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

317-540-26 (Continued) **1016346521**

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Poway Country Plaza - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be small shopping center with oil change garage. One groundwater monitoring well observed at this facility near Poway Road. Four 55-gallon drums observed in fenced enclosure.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708798

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

317-540-26 (Continued) **1016346521**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G44 **OIL CHANGERS #604** **AST** **S104751954**
WNW **12459 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS HAZ WASTE**
0.216 mi. **CERS TANKS**
1138 ft. **Site 5 of 10 in cluster G** **CERS**

Relative:
Higher

Actual:
465 ft.

AST:

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City/Zip:	POWAY,
Certified Unified Program Agencies:	San Diego
Owner:	OIL CHANGERS #604
Total Gallons:	18080
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON

OIL CHANGERS #604 (Continued) **S104751954**

Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012

OIL CHANGERS #604 (Continued) **S104751954**

Case Number:	Not reported
Name:	WINDOW WASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012

OIL CHANGERS #604 (Continued) **S104751954**

Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material

OIL CHANGERS #604 (Continued) **S104751954**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208

OIL CHANGERS #604 (Continued) **S104751954**

Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS

OIL CHANGERS #604 (Continued) **S104751954**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or

OIL CHANGERS #604 (Continued) **S104751954**

	complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	OIL CHANGERS #604
Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Permit Number: 129197
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/ COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012

OIL CHANGERS #604 (Continued) **S104751954**

Inspection Date:	07/15/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	129197
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	OIL CHANGERS #604
Address:	12459 POWAY RD

OIL CHANGERS #604 (Continued) **S104751954**

City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000035887
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-486-4208
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	02/26/2021
Facility Owner:	Not reported
Facility Mailing Address:	4511 WILLOW RD #1, Pleasanton, CA 94566
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-129197
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5695193
Return To Compliance Date:	2017-07-17T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-02-26T00:00:00.000
Inspection Date:	2017-07-05T12:39:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508(a)(1)(A); 25508.1(f); 19 CCR 2652(a)(3)

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-129197
Program Element:	Aboveground Petroleum Storage Act
Inspection Type:	Routine
Inspection Number:	6210259
Return To Compliance Date:	2019-07-15T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-02-26T00:00:00.000
Inspection Date:	2019-07-12T00:00:00.000
Violation Code:	4010008 Failed to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so

OIL CHANGERS #604 (Continued) **S104751954**

attended. (40 CFR 112.3(e)(1).) HSC 25270.4.5(a)

Waste and Materials:

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215324
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-08-23T02:11:35.000
Chemical Name:	WINDOW WASH
Common Name:	WINDOW WASH
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215325
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-08-23T02:11:35.000
Chemical Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number:	8002-05-9

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215326
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-08-23T02:11:35.000
Chemical Name:	Trinity Antifreeze/Coolant
Common Name:	ANTIFREEZE/ COOLANT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0185485
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-08-23T02:11:36.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE MOTOR OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0185486
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-08-23T02:11:36.000
Chemical Name:	ETHYLENE GLYCOL 50%
Common Name:	USED ANTIFREEZE/ COOLANT
Case Number:	Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185487
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-08-23T02:11:36.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0217780
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: USED OIL
Common Name: USED MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086681
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086682
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0086683
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: Trinity Antifreeze/Coolant
Common Name: ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed

OIL CHANGERS #604 (Continued) **S104751954**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0069097
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0069098
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0069099
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-03-08T02:33:17.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0126693
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285339
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: ETHYLENE GLYCOL
Common Name: ANTIFREEZE/COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285337

OIL CHANGERS #604 (Continued) **S104751954**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0285338
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253819
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: USED OIL
Common Name: USED MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253820
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: ETHYLENE GLYCOL
Common Name: USED ANTIFREEZE/COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253821
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-02-26T02:49:47.000
Chemical Name: USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148342
Trade Secret: N
Hazardous Material Type: Mixture

OIL CHANGERS #604 (Continued) **S104751954**

Last Updated: 2018-03-06T02:32:02.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148343
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148344
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: Trinity Antifreeze/Coolant
Common Name: ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0126691
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0126692
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-06T02:32:02.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177582
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: OIL, LUBRICATING, MOTOR, ATF, GEAR

OIL CHANGERS #604 (Continued) **S104751954**

Common Name: OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number: 8002-05-9

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177583
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152124
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152125
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: ETHYLENE GLYCOL 50%
Common Name: USED ANTIFREEZE/ COOLANT
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152126
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-23T02:31:40.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE MOTOR OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-129197
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0246790
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-01T02:30:52.000
Chemical Name: WINDOW WASH
Common Name: WINDOW WASH
Case Number: MIXTURE

OIL CHANGERS #604 (Continued) **S104751954**

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0246791
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-03-01T02:30:52.000
Chemical Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Common Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Case Number:	MIXTURE

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0246792
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-03-01T02:30:52.000
Chemical Name:	ETHYLENE GLYCOL
Common Name:	ANTIFREEZE/COOLANT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0217781
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-01T02:30:52.000
Chemical Name:	ETHYLENE GLYCOL
Common Name:	USED ANTIFREEZE/COOLANT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0217782
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-01T02:30:52.000
Chemical Name:	USED OIL FILTERS
Common Name:	USED OIL FILTERS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-129197
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177581
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-02-23T02:31:40.000
Chemical Name:	Trinity Antifreeze/Coolant
Common Name:	ANTIFREEZE/ COOLANT
Case Number:	Not reported

Name: OIL CHANGERS #604

OIL CHANGERS #604 (Continued) **S104751954**

Address:	12459 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	129197
Business Type:	6HK26
EPA Id Number:	CAL000035887
APN:	317-540-26-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-486-4208
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	OIL CHANGERS #604
Facility Mailing Address:	4511 WILLOW RD #1
Facility Mailing City:	PLEASANTON
Facility Mailing State:	CA
Facility Mailing Zip:	94588-2709
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL 50%
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR, ATF, GEAR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	129197
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste

OIL CHANGERS #604 (Continued) **S104751954**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 129197
Update Date: 11/02/2012
Case Number: Not reported
Name: WINDOW WASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/15/2005
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)

OIL CHANGERS #604 (Continued) **S104751954**

Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 129197
Update Date: 11/02/2012
Inspection Date: 07/26/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

CERS HAZ WASTE:
Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 53544
CERS ID: 10055611
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 53544
CERS ID: 10055611
CERS Description: Aboveground Petroleum Storage

CERS:
Name: OIL CHANGERS #604
Address: 12459 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 53544
CERS ID: 10055611
CERS Description: Chemical Storage Facilities

Violations:

OIL CHANGERS #604 (Continued) **S104751954**

Site ID: 53544
Site Name: OIL CHANGERS #604
Violation Date: 07-12-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: Returned to compliance on 07/15/2019. Inspection Sequence ID:6210259
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 53544
Site Name: OIL CHANGERS #604
Violation Date: 07-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/17/2017. Inspection Sequence ID:5695193
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4245891
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:5695193
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4245891
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-12-2019
Violations Found: No
Eval Type: Routine done by local agency

OIL CHANGERS #604 (Continued) **S104751954**

Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-12-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6210259
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5695193
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5695193
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4245891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	53544
Facility Name:	OIL CHANGERS #604
Env Int Type Code:	HWG
Program ID:	10055611
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,

OIL CHANGERS #604 (Continued) **S104751954**

Latitude: 32.951715
Longitude: -117.061117

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Michael Steven Chilberto
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Michael Steven Chilberto
Entity Title: Compliance Officer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Oil Changer #604
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 486-4208,

Affiliation Type Desc: Environmental Contact
Entity Name: Michael Chilberto
Entity Title: Not reported
Affiliation Address: 4511 Willow Road, Suite 1
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

OIL CHANGERS #604 (Continued) **S104751954**

Affiliation Address:	4511 WILLOW RD #1
Affiliation City:	PLEASANTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588-2709
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	OIL CHANGER, INC.
Entity Title:	Not reported
Affiliation Address:	4511 Willow Rd. #1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5800,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

F45 **REGENT OIL** **LUST** **S103723449**
NW **12462 POWAY RD** **San Diego Co. HMMD** **N/A**
1/8-1/4 **POWAY, CA 92064** **SWEEPS UST**
0.219 mi. **Cortese**
1154 ft. **Site 3 of 11 in cluster F** **EMI**
HIST CORTESE
Relative: Higher **CERS**

Actual: 477 ft.

LUST:

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302601
Global Id:	T0607302601
Latitude:	32.952166275599
Longitude:	-117.060694098473
Status:	Completed - Case Closed
Status Date:	05/26/2015
Case Worker:	Not reported
RB Case Number:	9UT3843
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H03486-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Two 10,000-gallon gasoline USTs, one 10,000-gallon diesel USt, and one 250-gallon used oil UST were removed in December 1998, supervised by EAI. Petroleum hydrocarbons were discovered in soil samples taken

REGENT OIL (Continued) **S103723449**

after the removal of the USTs. Groundwater monitoring and sampling has been performed at the site since 1999. For more information see Corrective Action Plan dated 04/25/2006 under the Site Documents tab.

LUST:

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 05/26/2015
Action: Closure/No Further Action Letter

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 10/20/2014
Action: Email Correspondence

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 07/29/2014
Action: Notification - Fee Title Owners Notice

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Discovery

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 03/18/2011
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/09/1999
Action: Notice of Responsibility

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/13/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 02/08/2007
Action: Referral to Regional Board

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/05/2007
Action: Verbal Enforcement

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/13/2007

REGENT OIL (Continued) **S103723449**

Action:	Verbal Enforcement
Global Id:	T0607302601
Action Type:	ENFORCEMENT
Date:	04/18/2008
Action:	Staff Letter
Global Id:	T0607302601
Action Type:	ENFORCEMENT
Date:	12/06/2007
Action:	Meeting
Global Id:	T0607302601
Action Type:	ENFORCEMENT
Date:	02/11/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302601
Action Type:	Other
Date:	02/02/1999
Action:	Leak Reported
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	04/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	03/31/2007
Action:	Other Report / Document
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	07/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	01/30/2014
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607302601
Action Type:	RESPONSE
Date:	05/05/2015
Action:	Request for Closure - Regulator Responded
Global Id:	T0607302601
Action Type:	REMEDIATION
Date:	01/05/1999
Action:	Excavation
Global Id:	T0607302601
Action Type:	ENFORCEMENT
Date:	03/13/2007
Action:	Staff Letter

REGENT OIL (Continued) **S103723449**

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/03/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 03/30/2012
Action: Staff Letter

Global Id: T0607302601
Action Type: ENFORCEMENT
Date: 07/29/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Began

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 04/09/2007
Action: Correspondence

Global Id: T0607302601
Action Type: Other
Date: 12/21/1998
Action: Leak Stopped

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 10/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE

REGENT OIL (Continued) **S103723449**

Date: 04/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607302601
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0607302601
Status: Open - Case Begin Date
Status Date: 12/21/1998

Global Id: T0607302601
Status: Open - Site Assessment
Status Date: 12/22/2006

Global Id: T0607302601
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/17/2009

Global Id: T0607302601
Status: Open - Remediation
Status Date: 03/24/2010

Global Id: T0607302601
Status: Open - Eligible for Closure
Status Date: 04/28/2014

Global Id: T0607302601
Status: Completed - Case Closed
Status Date: 05/26/2015

LUST REG 9:
Region: 9

REGENT OIL (Continued) **S103723449**

Status: Preliminary site assessment workplan submitted
Case Number: 9UT3843
Local Case: H03486-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/21/1998
Date Stopped: 12/21/1998
Confirm Date: 02/05/1999
Submit Workplan: 3/9/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/02/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: >14'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: CHIEF'S REGENT
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 200417
Business Type: 6HK26
EPA Id Number: CAL000030663
APN: 317-540-16-00
Last HMMD Inspection: 05/31/2012
Facility Telephone: 858-748-7760
Permit Status: OPEN
Permit Expiration: 11/30/2012
Date Last Updated: 11/02/2012
Facility Owner: QUAD ACE INC
Facility Mailing Address: 12462 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y

REGENT OIL (Continued) **S103723449**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 200417
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 200417
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste

REGENT OIL (Continued) **S103723449**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 200417
Update Date: 11/02/2012
Inspection Date: 05/31/2012
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Permit Number: 200417
Update Date: 11/02/2012
Inspection Date: 01/09/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

SWEEPS UST:
Name: STEVE'S MOBIL
Address: 12462 POWAY RD
City: POWAY
Status: Active
Comp Number: 3486
Number: 9
Board Of Equalization: 44-008705
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003486-000001
Tank Status: A
Capacity: 9950
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Name: STEVE'S MOBIL
Address: 12462 POWAY RD
City: POWAY
Status: Active
Comp Number: 3486
Number: 9
Board Of Equalization: 44-008705
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003486-000002

REGENT OIL (Continued) **S103723449**

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: STEVE'S MOBIL
Address: 12462 POWAY RD
City: POWAY
Status: Active
Comp Number: 3486
Number: 9
Board Of Equalization: 44-008705
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003486-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: STEVE'S MOBIL
Address: 12462 POWAY RD
City: POWAY
Status: Active
Comp Number: 3486
Number: 9
Board Of Equalization: 44-008705
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003486-000004
Tank Status: A
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

CORTESE:
Name: APRO #23
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 920644303
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607302601
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED

REGENT OIL (Continued) **S103723449**

Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

REGENT OIL (Continued) **S103723449**

Name:	APRO #23 / CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4998
Reactive Organic Gases Tons/Yr:	0.4998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

REGENT OIL (Continued) **S103723449**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23 CHIEFS REGENT
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4998
Reactive Organic Gases Tons/Yr:	.4998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75

REGENT OIL (Continued) **S103723449**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1608
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

REGENT OIL (Continued) **S103723449**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.75
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	REGENT OIL
edr_fadd1:	12462 POWAY
City,State,Zip:	POWAY, CA 92025
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3843

CERS:

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Site ID:	190739
CERS ID:	T0607302601
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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F46 **QUAD ACE INC.** **UST** **U004355812**
NW **12462 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 4 of 11 in cluster F**

Relative: **Higher**
Actual: **477 ft.**

UST:

Name:	QUAD ACE INC.
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Facility ID:	H03486
Permitting Agency:	SAN DIEGO COUNTY
CERSID:	Not reported
Latitude:	32.9536945
Longitude:	-117.0594573

F47 **APRO LLC DBA UNITED OIL 23** **RCRA NonGen / NLR** **1024845530**
NW **12462 POWAY RD** **CAL000398698**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 5 of 11 in cluster F**

Relative: **Higher**
Actual: **477 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20140714
Handler Name:	APRO LLC DBA UNITED OIL 23
Handler Address:	12462 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-4303
EPA ID:	CAL000398698
Contact Name:	TOM ROBINS

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Contact Address:	4130 COVER STREET
Contact City,State,Zip:	LONG BEACH, CA 90808
Contact Telephone:	310-323-3992
Contact Fax:	Not reported
Contact Email:	TOM.ROBINS@UNITEDPACIFIC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4130 COVER STREET
Mailing City,State,Zip:	LONG BEACH, CA 90808-0000
Owner Name:	APRO LLC
Owner Type:	Other
Operator Name:	TOM ROBINS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	APRO LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4130 COVER STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808-0000
Owner/Operator Telephone:	310-323-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TOM ROBINS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4130 COVER STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808
Owner/Operator Telephone:	310-323-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140714
Handler Name: APRO LLC DBA UNITED OIL 23	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

APRO LLC DBA UNITED OIL 23 (Continued) **1024845530**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F48 **CHIEFS' REGENT** **RCRA NonGen / NLR** **1024787311**
NW **12462 POWAY RD** **CAL000030663**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 6 of 11 in cluster F**

Relative: **Higher**
Actual: **477 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19900516
Handler Name:	CHIEFS' REGENT	
Handler Address:		12462 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064-0000
EPA ID:		CAL000030663
Contact Name:		ROBERT C PATIO
Contact Address:		12462 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		858-748-7760
Contact Fax:		858-748-6812
Contact Email:		CHIEFSREGENT@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12462 POWAY RD
Mailing City,State,Zip:		POWAY, CA 92064-4303
Owner Name:		QUAD ACE INC
Owner Type:		Other
Operator Name:		ROBERT C PATIO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

CHIEFS' REGENT (Continued) **1024787311**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	QUAD ACE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12462 POWAY ROAD

CHIEFS' REGENT (Continued) **1024787311**

Owner/Operator City,State,Zip:	POWAY, CA 92064-0000
Owner/Operator Telephone:	858-748-7760
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROBERT C PATIO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12462 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	858-748-7760
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19900516
Handler Name: CHIEFS' REGENT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F49 **UNITED #023** **San Diego Co. HMMD** **S105112804**
NW **12462 POWAY RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS TANKS**
0.219 mi. **HAZNET**
1154 ft. **Site 7 of 11 in cluster F** **CERS**
HWTS

Relative:
Higher

Actual:
477 ft.

HMMD SAN DIEGO:

Name:	UNITED #023
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported

UNITED #023 (Continued) **S105112804**

EPA Id Number:	CAL000398698
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	310-323-3992
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/27/2021
Facility Owner:	Not reported
Facility Mailing Address:	4130 Cover Street, Long Beach, CA 90808
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5891433
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2018-05-24T11:43:00.000
Violation Code:	HMD3103 UST repair/modify/closure permit not obtained from HMD. SDCC 68.1004, 68.1005, 68.1009.5

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	2014-06-09T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	2030025 Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).

UNITED #023 (Continued) **S105112804**

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5121142
Return To Compliance Date:	2015-05-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2015-05-26T00:00:00.000
Violation Code:	2030043 Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5425363
Return To Compliance Date:	2016-05-25T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17500
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2016-05-25T13:13:06.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5891433
Return To Compliance Date:	2018-05-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17500
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2018-05-24T11:43:00.000
Violation Code:	2060020 (RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

UNITED #023 (Continued) **S105112804**

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6152665
Return To Compliance Date:	2019-05-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2019-05-16T00:00:00.000
Violation Code:	2030018 (TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6152665
Return To Compliance Date:	2019-05-16T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2019-05-16T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36

UNITED #023 (Continued) **S105112804**

months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6586239
Return To Compliance Date:	Not reported
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2021-04-27T16:14:26.000
Violation Code:	2030078 Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5062279
Return To Compliance Date:	2014-05-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2014-05-29T15:26:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6586239
Return To Compliance Date:	2021-04-27T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	17499
Container/Tank Id:	Not reported
Last Update:	2021-08-27T01:21:26.000
Inspection Date:	2021-04-27T16:14:26.000
Violation Code:	2030018 (TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)

UNITED #023 (Continued) **S105112804**

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103486
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5062279
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-27T01:21:26.000
Inspection Date: 2014-05-29T15:26:00.000
Violation Code: 2030064 Failure to notify the CUPA the prescribed number of hours prior to testing. 23 CCR 16 2637(f), 2638(e), 2643(g), 2644.1(a)(4)

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103486
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5062279
Return To Compliance Date: 2014-05-29T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 0
Container/Tank Id: Not reported
Last Update: 2021-08-27T01:21:26.000
Inspection Date: 2014-05-29T15:26:00.000
Violation Code: 2060015 Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103486
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 6152665
Return To Compliance Date: 2019-07-03T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 17499
Container/Tank Id: Not reported
Last Update: 2021-08-27T01:21:26.000
Inspection Date: 2019-05-16T00:00:00.000
Violation Code: 2010010 Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. 23 CCR 2711; HSC 6.7 25284 (c), 25286(c)

UST DTL:
Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103486

UNITED #023 (Continued) **S105112804**

Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APRO LLC
Tankid:	17501
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-08-27T01:21:34.000
Tank Capacityin Gallons:	12000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APRO LLC
Tankid:	17500
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-08-27T01:21:34.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103486
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APRO LLC
Tankid:	17499
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-08-27T01:21:34.000
Tank Capacityin Gallons:	12000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0165876
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-27T02:31:14.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 103486 T005
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-103486

UNITED #023 (Continued) **S105112804**

Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165877
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243380
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-01-27T02:51:29.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126122
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126123
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y

UNITED #023 (Continued) **S105112804**

Child Record Id: DEH2017-HCHEM-0126124
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104912
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104913
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-07-27T12:16:06.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0186499
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205163
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205164
Trade Secret: N

UNITED #023 (Continued) **S105112804**

Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205165
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-12T02:50:53.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165878
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-27T02:31:14.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0186500
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0186501
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T23:44:50.000

UNITED #023 (Continued) **S105112804**

Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161468
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0161469
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T23:44:50.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0284943
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-27T01:21:34.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0284944
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-27T01:21:34.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 103486 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253474
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-27T01:21:34.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID

UNITED #023 (Continued) **S105112804**

Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253475
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-27T01:21:34.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243378
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-01-27T02:51:29.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 103486 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0243379
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-01-27T02:51:29.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 103486 T007
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0214364
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-27T02:51:29.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP/TEST LIQUID
Case Number: Not reported

Record ID: DEH2002-HUPFP-103486
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0214365
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-27T02:51:29.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FILTERS
Case Number: Not reported

UNITED #023 (Continued) **S105112804**

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177124
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-07-12T02:50:53.000
Chemical Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name:	SUMP/TEST LIQUID
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103486
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0177125
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-07-12T02:50:53.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	GASOLINE FILTERS
Case Number:	Not reported

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103486
Business Type:	6HK28
EPA Id Number:	CAL000276672
APN:	317-540-72-00
Last HMMD Inspection:	05/15/2012
Facility Telephone:	858-748-7760
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIKAND HAPPY NARINDER&RENU
Facility Mailing Address:	2449 NALIN DR
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA
Facility Mailing Zip:	90077
UST Owner:	APRO LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 103486 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

UNITED #023 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103486 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 103486 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SUMP/TEST LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012

UNITED #023 (Continued) **S105112804**

Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/15/2012
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free.

UNITED #023 (Continued) **S105112804**

2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005

UNITED #023 (Continued) **S105112804**

Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010

UNITED #023 (Continued) **S105112804**

Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 06/09/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012

UNITED #023 (Continued) **S105112804**

Inspection Date: 05/06/2009
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/06/2009
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/06/2009
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2006
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3157
Violation: EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation: Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103486 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 2 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL

UNITED #023 (Continued) **S105112804**

Delivery System: PRESSURE
Monitor Code: 46
UST Monitor Method: DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

UST Name: UNDERGROUND TANK 103486 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 3 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103486 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 280
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 22
UST Monitor Method: SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

UST Name: UNDERGROUND TANK 103486 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: DOUBLE WALL
Additional Id: NT2151; RT4446; RT5435
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 103486 T006

UNITED #023 (Continued) **S105112804**

Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151, RT3252; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103486
Business Type:	6HK28
EPA Id Number:	CAL000276672
APN:	317-540-72-00
Last HMMD Inspection:	05/15/2012
Facility Telephone:	858-748-7760
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIKAND HAPPY NARINDER&RENU
Facility Mailing Address:	2449 NALIN DR
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA
Facility Mailing Zip:	90077
UST Owner:	APRO LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

UNITED #023 (Continued) **S105112804**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 103486 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103486 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 103486 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SUMP/TEST LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UNITED #023 (Continued) **S105112804**

Violations Active Permits:

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	04/08/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/15/2012
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007

UNITED #023 (Continued) **S105112804**

Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	103486
Update Date:	11/02/2012

UNITED #023 (Continued) **S105112804**

Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486

UNITED #023 (Continued) **S105112804**

Update Date:	11/02/2012
Inspection Date:	06/09/2005
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264

UNITED #023 (Continued) **S105112804**

Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3157
Violation: EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation: Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

UNITED #023 (Continued) **S105112804**

UST:

UST Name:	UNDERGROUND TANK 103486 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	2 UNLEADED;
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	46
UST Monitor Method:	DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

UST Name:	UNDERGROUND TANK 103486 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	3 UNLEADED;
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103486 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-12-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

UST Name:	UNDERGROUND TANK 103486 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435

UNITED #023 (Continued) **S105112804**

Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 103486 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103486
Tank Type:	DOUBLE WALL
Additional Id:	NT2151, RT3252; RT4446; RT5435
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

Name:	APRO #23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	103486
Business Type:	6HK28
EPA Id Number:	CAL000276672
APN:	317-540-72-00
Last HMMD Inspection:	05/15/2012
Facility Telephone:	858-748-7760
Permit Status:	OPEN

UNITED #023 (Continued) **S105112804**

Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIKAND HAPPY NARINDER&RENU
Facility Mailing Address:	2449 NALIN DR
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA
Facility Mailing Zip:	90077
UST Owner:	APRO LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 103486 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 103486 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 103486 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	103486
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	SUMP/TEST LIQUID
Material Waste:	Waste

UNITED #023 (Continued) **S105112804**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103486
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 04/08/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/15/2012
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV3267
Violation: DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/29/2007
Violation Code: 6HV0227

UNITED #023 (Continued) **S105112804**

Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/20/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/20/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/27/2008
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/27/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	06/09/2005
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012

UNITED #023 (Continued) **S105112804**

Inspection Date:	05/31/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/25/2004
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Permit Number:	103486
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE

UNITED #023 (Continued) **S105112804**

Permit Number: 103486
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103486 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 2 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 46
UST Monitor Method: DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

UST Name: UNDERGROUND TANK 103486 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 3 UNLEADED;
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103486 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 280
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-12-21 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported

UNITED #023 (Continued) **S105112804**

Monitor Code: 22
UST Monitor Method: SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

UST Name: UNDERGROUND TANK 103486 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: DOUBLE WALL
Additional Id: NT2151; RT4446; RT5435
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 103486 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: DOUBLE WALL
Additional Id: NT2151; RT4446; RT5435
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 103486 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 103486
Tank Type: DOUBLE WALL
Additional Id: NT2151, RT3252; RT4446; RT5435
Capacity Gallons: 12000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UNITED #023 (Continued) **S105112804**

CERS HAZ WASTE:
Name: UNITED #023
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 78945
CERS ID: 10198798
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: UNITED #023
Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 78945
CERS ID: 10198798
CERS Description: Underground Storage Tank

HAZNET:
Name: APRO LLC DBA UNITED OIL 23
Address: 12462 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 908080000
Contact: TOM ROBINS
Telephone: 3103233992
Mailing Name: Not reported
Mailing Address: 4130 COVER STREET

Year: 2019
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAT080013352
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.22935

Year: 2017
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)

UNITED #023 (Continued) **S105112804**

Tons: 0.14595

Year: 2016
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.1668

Year: 2016
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08

Year: 2015
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0625

Year: 2015
Gepaid: CAL000398698
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.10425

Additional Info:
Year: 2016
Gen EPA ID: CAL000398698

Shipment Date: 20150706
Creation Date: 9/11/2015 22:15:55
Receipt Date: 20150709
Manifest ID: 014287003JJK
Trans EPA ID: CAR000172874
Trans Name: ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0625
Waste Quantity: 125

UNITED #023 (Continued) **S105112804**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150706
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150709
Manifest ID:	014287004JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:02:56
Receipt Date:	20150216
Manifest ID:	013558868JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

UNITED #023 (Continued) **S105112804**

Shipment Date:	20150206
Creation Date:	12/15/2016 11:05:03
Receipt Date:	20150216
Manifest ID:	013558869JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000398698

Shipment Date:	20170907
Creation Date:	5/30/2018 18:32:32
Receipt Date:	20170908
Manifest ID:	017651414JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170331
Creation Date:	5/9/2018 18:32:18
Receipt Date:	20170405

UNITED #023 (Continued) **S105112804**

Manifest ID: 016590523JJK
Trans EPA ID: CAR000172874
Trans Name: ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code: Not reported
Meth Code: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons: 0.14595
Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170331
Creation Date: 5/9/2018 18:32:13
Receipt Date: 20170405
Manifest ID: 016590434JJK
Trans EPA ID: CAR000172874
Trans Name: ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000398698

Shipment Date: 20150706
Creation Date: 9/11/2015 22:15:55
Receipt Date: 20150709
Manifest ID: 014287003JJK
Trans EPA ID: CAR000172874
Trans Name: ABLE ENVIRONMENTAL SERVICES

UNITED #023 (Continued) **S105112804**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150706
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150709
Manifest ID:	014287004JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:02:56
Receipt Date:	20150216
Manifest ID:	013558868JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

UNITED #023 (Continued) **S105112804**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150206
Creation Date:	12/15/2016 11:05:03
Receipt Date:	20150216
Manifest ID:	013558869JJK
Trans EPA ID:	CAR000172874
Trans Name:	ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	UNITED #023
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	78945
CERS ID:	10198798
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-24-2018
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 06/25/2018. Inspection Sequence ID:5891433;Tank ID:17501;Violation:HMD3103 UST repair/modify/closure permit not obtained from HMD. SDCC 68.1004, 68.1005, 68.1009.5
Violation Division:	San Diego County Department of Env Health

UNITED #023 (Continued) **S105112804**

Violation Program: UST
Violation Source: CERS,

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-29-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/29/2014. Inspection Sequence ID:5062279
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-16-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 05/16/2019. Inspection Sequence ID:6152665;Tank ID:17499,17500,17501;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide

UNITED #023 (Continued) **S105112804**

positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prev

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-29-2014
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 06/09/2014. Inspection Sequence ID:5062279;Tank ID:87,91,03;Violation Description:Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 78945
Site Name: UNITED #023
Violation Date: 04-27-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Inspection Sequence ID:6586239;Tank ID:17499,17500,17501;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 78945
Site Name: UNITED #023
Violation Date: 05-16-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/03/2019. Inspection Sequence ID:6152665;Tank ID:17499,17500,17501;Violation Description:Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. 23 CCR 2711; HSC 6.7 25284 (c), 25286(c)
Violation Division: San Diego County Department of Env Health
Violation Program: UST

UNITED #023 (Continued) **S105112804**

Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-16-2019
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 05/16/2019. Inspection Sequence ID:6152665;Tank ID:17499,17501;Violation Description:(TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-29-2014
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 05/29/2014. Inspection Sequence ID:5062279;Tank ID:0;Violation Description:Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-25-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 05/25/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-29-2014
Citation:	23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Description:	Failure to notify the CUPA the prescribed number of hours prior to testing.
Violation Notes:	Returned to compliance on 08/26/2014. Inspection Sequence ID:5062279;Tank ID:;Violation Description:Failure to notify the CUPA the prescribed number of hours prior to testing. 23 CCR 16 2637(f),

UNITED #023 (Continued) **S105112804**

	2638(e), 2643(g), 2644.1(a)(4)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	04-27-2021
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/27/2021. Inspection Sequence ID:6586239;Tank ID:17499,17500,17501;Violation Description:(TCR 9d) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-26-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes:	Returned to compliance on 05/26/2015. Inspection Sequence ID:5121142;Tank ID:17499,17500,17501;Violation Description:Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	78945
Site Name:	UNITED #023
Violation Date:	05-24-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 05/25/2018. Inspection Sequence ID:5891433;Tank ID:17500;Violation Description:(RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

UNITED #023 (Continued) **S105112804**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6152665
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6152665
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5648777
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5891433
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5425363
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5121142
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-27-2021

UNITED #023 (Continued) **S105112804**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6586239
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5891433
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5425363
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5121142
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5062279
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6586239
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6586239

UNITED #023 (Continued) **S105112804**

Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5648777
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5648777
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5062279
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-04-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Beacon Ellen Inspection ID:6423008
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6152665
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5891433
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

UNITED #023 (Continued) **S105112804**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5425363
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5121142
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5062279
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 78945
Facility Name: UNITED #023
Env Int Type Code: HWG
Program ID: 10198798
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.952590
Longitude: -117.060550

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: APRO LLC
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90808
Affiliation Phone: (310) 323-3992,

Affiliation Type Desc: UST Property Owner Name
Entity Name: ARCP UO PORTFOLIO II, LP
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90808

UNITED #023 (Continued) **S105112804**

Affiliation Phone: (310) 323-3992,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Tom Robins
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: ARCP UO PORTFOLIO II, LP
Entity Title: Not reported
Affiliation Address: 2325 E. Camelback Rd, Ste 1200
Affiliation City: Phoenix
Affiliation State: AZ
Affiliation Country: United States
Affiliation Zip: 85016
Affiliation Phone: (602) 778-6223,

Affiliation Type Desc: UST Tank Operator
Entity Name: APRO, LLC
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90808
Affiliation Phone: (310) 323-3992,

Affiliation Type Desc: Environmental Contact
Entity Name: Tom Robins
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90808
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach

UNITED #023 (Continued) **S105112804**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90808
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Tom Robins
Entity Title: Staff Geologist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Allen Faass
Entity Title: Compliance Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 323-3992,

Affiliation Type Desc: Operator
Entity Name: APRO LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 323-3992,

Affiliation Type Desc: Parent Corporation
Entity Name: APRO LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Owner
Entity Name: APRO, LLC
Entity Title: Not reported
Affiliation Address: 4130 Cover Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90808
Affiliation Phone: (310) 323-3992,

Name: APRO LLC DBA UNITED OIL 23

UNITED #023 (Continued) **S105112804**

Address: 12462 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 451783
CERS ID: 110021148710
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JEFF APPEL
Entity Title: SECRETARY - TREASURER
Affiliation Address: 17311 S MAIN ST
Affiliation City: GARDENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: KEN STRONG
Entity Title: GENERAL MANAGER
Affiliation Address: 17311 S MAIN ST
Affiliation City: GARDENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: APRO LLC
Entity Title: OPERATOR
Affiliation Address: 17311 S MAIN ST
Affiliation City: GARDENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL SANCHEZ
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 17311 S MAIN ST
Affiliation City: GARDENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: APRO LLC
Entity Title: OWNER
Affiliation Address: 17311 S MAIN ST
Affiliation City: GARDENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

UNITED #023 (Continued) **S105112804**

HWTS:

Name:	APRO LLC DBA UNITED OIL 23
Address:	12462 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920644303
EPA ID:	CAL000398698
Inactive Date:	Not reported
Create Date:	07/14/2014
Last Act Date:	08/03/2020
Mailing Name:	Not reported
Mailing Address:	4130 COVER STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908080000
Owner Name:	APRO LLC
Owner Address:	4130 COVER STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908080000
Contact Name:	TOM ROBINS
Contact Address:	4130 COVER STREET
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90808

NAICS:

EPA ID:	CAL000398698
Create Date:	2014-07-14 11:54:10.330
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2014-07-14 11:54:10.33000
Inactive Date:	Not reported
Facility Name:	APRO LLC DBA UNITED OIL 23
Facility Address:	12462 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644303

F50 **APRO #23** **US BROWNFIELDS** **1008211857**
NW **12462 POWAY RD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 8 of 11 in cluster F**

Relative:
Higher

Actual:
477 ft.

US BROWNFIELDS:

Name:	317-540-15, -16
Address:	12462 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-15, -16
Parcel size:	1.71
Latitude:	32.95211
Longitude:	-117.060668
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Exxon gas station - Facility observed to consist of one

APRO #23 (Continued) **1008211857**

building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, one propane AST, eight 55-gallon drums, and approximately 5 groundwater monitoring wells.

Datum:	World Geodetic System of 1984
Acres Property ID:	39693
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	APRO, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-

APRO #23 (Continued) **1008211857**

Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-

APRO #23 (Continued) **1008211857**

Indoor air media cleaned up: -
Unknown media cleaned up: -
Past Use: Multistory -
Property Description: Exxon gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, one propane AST, eight 55-gallon drums, and approximately 5 groundwater monitoring wells.
Below Poverty Number: 197
Below Poverty Percent: 4.3
Meidan Income: 4070
Meidan Income Number: 969
Meidan Income Percent: 21.13
Vacant Housing Number: 144
Vacant Housing Percent: 8.5
Unemployed Number: 212
Unemployed Percent: 4.62

FINDS:
Registry ID: 110021148710

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110038708752

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

F51 **UNITED #023** **UST** **U004347089**
NW **12462 POWAY RD** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 9 of 11 in cluster F**

Relative: UST:
Higher
Name: UNITED #023
Actual: Address: 12462 POWAY RD
477 ft. City,State,Zip: POWAY, CA 92064
Facility ID: 37-000-103486
Permitting Agency: San Diego County Department of Environmental Health
CERSID: 10198798
Latitude: 32.95259
Longitude: -117.06055

F52 **APRO 23** **SAN DIEGO CO. SAM** **U003789129**
NW **12462 POWAY RD** **SAN DIEGO CO LOP** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1154 ft. **Site 10 of 11 in cluster F**

Relative:
Higher

Actual:
477 ft.

SAN DIEGO CO. SAM:

Name:	APRO 23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Case Number:	H03486-001
Agency:	CA Regional Water Quality Control Board
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	2/1/2002
Date Began:	12/21/1998

SAN DIEGO CO LOP:

Name:	APRO 23
Address:	12462 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1999-LSAM-H03486-001
Record Status:	Completed
Opened Date:	02/02/1999
Parcel Number:	317-540-72-00
Case Type:	LOP - Local Oversight Program
Historical Name:	APRO #23
SWRCB Global ID:	T0607302601
Funding:	S - LOP State Fund
Lead Agency:	RWQCB
Lead Agency Date:	12/22/2006
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9525681
Longitude:	-117.0610719
X MapCoord:	6312866.066
Y MapCoord:	1927354.165

G53 **317-540-30** **US BROWNFIELDS** **1016346523**
WNW **12439 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.219 mi.
1157 ft. **Site 6 of 10 in cluster G**

Relative:
Higher

Actual:
463 ft.

US BROWNFIELDS:

Name:	317-540-30
Address:	12439 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-30
Parcel size:	0.3
Latitude:	32.951828
Longitude:	-117.061614

317-540-30 (Continued) **1016346523**

HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Computing Solutions, Inc., Assist2Sell, Baskin & Associates, and Abundant Life Chiropractic. Facility observed to consist of one 2-story building and parking areas. Facility observed to be small office building.
Datum:	-
Acres Property ID:	39699
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Baskin Family Trust 05-16-88
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-

317-540-30 (Continued) **1016346523**

No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-

317-540-30 (Continued) **1016346523**

Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Computing Solutions, Inc., Assist2Sell, Baskin & Associates, and Abundant Life Chiropractic. Facility observed to consist of one 2-story building and parking areas. Facility observed to be small office building.
Below Poverty Number:	164
Below Poverty Percent:	4.3
Meidan Income:	2016
Meidan Income Number:	821
Meidan Income Percent:	21.5
Vacant Housing Number:	94
Vacant Housing Percent:	6.69
Unemployed Number:	194
Unemployed Percent:	5.08

FINDS:
Registry ID: 110038708814

Click Here:

Environmental Interest/Information System:
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F54 **317-540-13, -72** **US BROWNFIELDS** **1016346518**
WNW **12448 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.220 mi.
1162 ft. **Site 11 of 11 in cluster F**

Relative:
Higher

Actual:
475 ft.

US BROWNFIELDS:

Name:	317-540-13, -72
Address:	12448 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-13, -72
Parcel size:	1.05
Latitude:	32.952085
Longitude:	-117.061063
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Ramada Limited - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be hotel.
Datum:	-
Acres Property ID:	39692
IC Data Access:	-
Start Date:	-

317-540-13, -72 (Continued) **1016346518**

Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Happy Narinder and Renu Sikand
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-

317-540-13, -72 (Continued) **1016346518**

Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Ramada Limited - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be hotel.
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070

317-540-13, -72 (Continued) **1016346518**

Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038708743

Click Here:

Environmental Interest/Information System:
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G55 **317-540-60** **US BROWNFIELDS** **1016346525**
WNW **12440 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.226 mi.
1194 ft. **Site 7 of 10 in cluster G**

Relative:
Higher

Actual:
475 ft.

US BROWNFIELDS:

Name:	317-540-60
Address:	12440 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-60
Parcel size:	0.69
Latitude:	32.952069
Longitude:	-117.061625
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: House on the Hill Restaurant - Facility observed to consist of one building, and parking and landscaped areas.
Datum:	-
Acres Property ID:	39702
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-

317-540-60 (Continued) **1016346525**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Happy N and Renu Sikand
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-

317-540-60 (Continued) **1016346525**

Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	House on the Hill Restaurant - Facility observed to consist of one building, and parking and landscaped areas.
Below Poverty Number:	163
Below Poverty Percent:	4.3
Meidan Income:	1964
Meidan Income Number:	818
Meidan Income Percent:	21.58
Vacant Housing Number:	94
Vacant Housing Percent:	6.73
Unemployed Number:	192
Unemployed Percent:	5.07

FINDS:
Registry ID: 110038708887

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

317-540-60 (Continued) **1016346525**

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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G56 **TUNE CRAFT** **ENVIROSTOR** **S100729280**
WNW **12430 POWAY RD** **LUST** **N/A**
1/8-1/4 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.229 mi. **CPS-SLIC**
1207 ft. **Site 8 of 10 in cluster G** **San Diego Co. HMMD**
SWEEPS UST
Relative: Higher **Cortese**
SAN DIEGO CO LOP
Actual: 476 ft. **CERS**
HWTS

ENVIROSTOR:

Name:	TUNE CRAFT(FORMER)
Address:	12430 POWAY RD.
City,State,Zip:	POWAY, CA 92064
Facility ID:	37990006
Status:	Refer: 1248 Local Agency
Status Date:	05/20/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	77
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.95210
Longitude:	-117.0612
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37990006
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

TUNE CRAFT (Continued) **S100729280**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607329605
Global Id: T0607329605
Latitude: 32.952116
Longitude: -117.06121
Status: Completed - Case Closed
Status Date: 05/08/2006
Case Worker: EM
RB Case Number: Not reported
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H13442-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607329605
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607329605
Action Type: Other
Date: 04/17/2003
Action: Leak Discovery

Global Id: T0607329605
Action Type: ENFORCEMENT
Date: 05/08/2006
Action: Closure/No Further Action Letter

Global Id: T0607329605
Action Type: Other
Date: 09/04/2003
Action: Leak Reported

Global Id: T0607329605
Action Type: Other

TUNE CRAFT (Continued) **S100729280**

Date: 04/17/2003
Action: Leak Began

Global Id: T0607329605
Action Type: Other
Date: 09/18/2003
Action: Leak Stopped

LUST:
Global Id: T0607329605
Status: Open - Case Begin Date
Status Date: 04/17/2003

Global Id: T0607329605
Status: Completed - Case Closed
Status Date: 05/08/2006

SAN DIEGO CO. SAM:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Case Number: H13442-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/8/2006
Date Began: 4/17/2003

Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Case Number: H13442-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/19/2006
Date Began: Not reported

CPS-SLIC:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/19/2006
Global Id: T06019724878
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13442-002
Latitude: 32.952116
Longitude: -117.06121
Case Type: Cleanup Program Site
Case Worker: EM
Local Agency: SAN DIEGO COUNTY LOP

TUNE CRAFT (Continued) **S100729280**

RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: TUNE CRAFT
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 113442
Business Type: 6HK28
EPA Id Number: CAL000004572
APN: 317-540-73-00
Last HMMD Inspection: 04/04/2000
Facility Telephone: 486-2240
Permit Status: INAC
Permit Expiration: 04/04/2000
Date Last Updated: 11/02/2012
Facility Owner: CALIFORNIA TUNE CRAFT INC.
Facility Mailing Address: PO BO 711155
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92171-1155
UST Owner: G W DUNSTER & LAURA DUNSTER
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113442 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113442
Tank Type: SINGLE WALL
Additional Id: 01 WASTE OIL
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 2000-02-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 22
UST Monitor Method: SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

SWEEPS UST:
Name: TUNE CRAFT
Address: 12430 POWAY RD
City: POWAY

TUNE CRAFT (Continued) **S100729280**

Status: Active
Comp Number: 13442
Number: 9
Board Of Equalization: 44-022783
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013442-000001
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 1

CORTESE:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607329605
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

SAN DIEGO CO LOP:
Name: TUNE CRAFT/POWAY CITY REDEVELOP
Address: 12430 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH2003-LSAM-H13442-001
Record Status: Completed
Opened Date: 09/04/2003
Parcel Number: 317-540-73-00
Case Type: LOP - Local Oversight Program
Historical Name: TUNE CRAFT
SWRCB Global ID: T0607329605
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM

TUNE CRAFT (Continued) **S100729280**

Lead Agency Date:	11/05/2003
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521014
Longitude:	-117.0612125
X MapCoord:	6312819.782
Y MapCoord:	1927172.593

CERS:

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	202072
CERS ID:	T06019724878
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	TUNE CRAFT/POWAY CITY REDEVELOP
Address:	12430 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	202072
CERS ID:	T0607329605
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	TUNE CRAFT
Address:	12430 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAC001435928

TUNE CRAFT (Continued) **S100729280**

Inactive Date:	10/25/2000
Create Date:	02/15/2000
Last Act Date:	10/25/2000
Mailing Name:	BILL DUNSTER
Mailing Address:	411 SAN REMO WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 921060000
Owner Name:	BILL DUNSTER
Owner Address:	411 SAN REMO WAY
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 921060000
Contact Name:	BUZZ NELSON/RESOURCES AMERICA
Contact Address:	PO BOX 2823
Contact Address 2:	Not reported
City,State,Zip:	FALLBROOK, CA 920880000

E57 **317-490-71** **US BROWNFIELDS** **1016347287**
North **12612 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.231 mi.
1218 ft. **Site 9 of 10 in cluster E**

Relative: **Higher**
Actual: **476 ft.**

US BROWNFIELDS:

Name:	317-490-71
Address:	12612 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-71
Parcel size:	0.32
Latitude:	32.953789
Longitude:	-117.058127
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Wienerschnitzel - Facility observed to consist of one building, and parking and landscaped areas.
Datum:	-
Acres Property ID:	39813
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701

317-490-71 (Continued) **1016347287**

Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Georges Y. and Marie-Therese J. Habchi
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-

317-490-71 (Continued) **1016347287**

Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Wienerschnitzel - Facility observed to consist of one building, and parking and landscaped areas.
Below Poverty Number:	259
Below Poverty Percent:	4.46
Meidan Income:	8524
Meidan Income Number:	1154
Meidan Income Percent:	19.88
Vacant Housing Number:	154
Vacant Housing Percent:	7.32
Unemployed Number:	273
Unemployed Percent:	4.7

FINDS:
Registry ID: 110038720006

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

317-490-71 (Continued) **1016347287**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E58 **317-490-74** **US BROWNFIELDS** **1016346560**
North **12600 BLOCK OF POWAY ROAD (ODDS)** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.231 mi.
1222 ft. **Site 10 of 10 in cluster E**

Relative: **Higher**
Actual: **474 ft.**

US BROWNFIELDS:

Name:	317-490-74
Address:	12600 BLOCK OF POWAY ROAD (ODDS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-74
Parcel size:	1.39
Latitude:	32.953827
Longitude:	-117.057613
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Shopping center - Facility observed to consist of two buildings, and parking areas. Facility observed to be small shopping center.
Datum:	-
Acres Property ID:	39684
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Poway Vista LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-490-74 (Continued) **1016346560**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-490-74 (Continued) **1016346560**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Shopping center - Facility observed to consist of two buildings, and parking areas. Facility observed to be small shopping center.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

FINDS:
Registry ID: 110038709680

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G59 **317-540-61, -62** **US BROWNFIELDS** **1016346526**
WNW **12411 AND 12427 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.232 mi.
1223 ft. **Site 9 of 10 in cluster G**

Relative: **Higher**
Actual: **459 ft.**

US BROWNFIELDS:

Name:	317-540-61, -62
Address:	12411 AND 12427 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency

317-540-61, -62 (Continued) **1016346526**

Grant Type:	Assessment
Property Number:	317-540-61, -62
Parcel size:	1.38
Latitude:	32.951785
Longitude:	-117.06232
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Remax Associates and Teamwork Mortgage, and Burger King - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be fast-food restaurant and small office building. One groundwater monitoring well observed at 12427 Poway Road facility in landscaped area near Poway Road.
Datum:	-
Acres Property ID:	39703
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Louis/Elda Vejraska 05-10-90, Burger King Corp.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-

317-540-61, -62 (Continued) **1016346526**

Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-

317-540-61, -62 (Continued) **1016346526**

No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Remax Associates and Teamwork Mortgage, and Burger King - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be fast-food restaurant and small office building. One groundwater monitoring well observed at 12427 Poway Road facility in landscaped area near Poway Road.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175
Unemployed Percent:	5.26

FINDS:
Registry ID: 110038708896

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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60 South 1/8-1/4 0.241 mi. 1273 ft.

ROGER HEATH
12533 BUCKSKIN TRAIL
POWAY, CA 92064

RCRA NonGen / NLR **1026823682**
CAC003136692

Relative: Higher

Actual: 470 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20210830
Handler Name:	ROGER HEATH	
Handler Address:		12533 BUCKSKIN TRAIL
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAC003136692
Contact Name:		ROGER HEATH
Contact Address:		12533 BUCKSKIN TRAIL
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		760-783-1219
Contact Fax:		Not reported
Contact Email:		KATLIIN@ENV-REM.COM
Contact Title:		Not reported

ROGER HEATH (Continued) **1026823682**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12533 BUCKSKIN TRAIL
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	ROGER HEATH
Owner Type:	Other
Operator Name:	ROGER HEATH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

ROGER HEATH (Continued) **1026823682**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210830
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROGER HEATH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12533 BUCKSKIN TRAIL
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-783-1219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROGER HEATH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12533 BUCKSKIN TRAIL
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	760-783-1219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210830
Handler Name: ROGER HEATH	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299

ROGER HEATH (Continued) **1026823682**

NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H61 **317-490-61** **US BROWNFIELDS** **1016347241**
North **12651 POWAY ROAD** **FINDS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.246 mi.
1298 ft. **Site 1 of 9 in cluster H**

Relative:
Higher

Actual:
476 ft.

US BROWNFIELDS:

Name:	317-490-61
Address:	12651 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-61
Parcel size:	0.68
Latitude:	32.954264
Longitude:	-117.057014
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Discount Tire, Co. - Facility observed to consist of one building with services bays, and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Datum:	-
Acres Property ID:	39807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Kathryn J. Learner Family Trust 06-30-99
Did Owner Change:	-

317-490-61 (Continued) **1016347241**

Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-

317-490-61 (Continued) **1016347241**

Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Discount Tire, Co. - Facility observed to consist of one building with services bays, and parking areas. Facility observed to be tire shop. Possible inground hydraulic lifts observed.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

FINDS:
Registry ID: 110038719367

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H62 **WESTERN DENTAL SERVICES INC** **RCRA NonGen / NLR** **1024796723**
North **12649 POWAY RD** **CAL000178822**
1/8-1/4 **POWAY, CA 92064**
0.248 mi.
1308 ft. **Site 2 of 9 in cluster H**

Relative: **Higher**

Actual: **476 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	19970106
Handler Name:	WESTERN DENTAL SERVICES INC
Handler Address:	12649 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064-0000
EPA ID:	CAL000178822
Contact Name:	KAREN NGUYEN
Contact Address:	530 S MAIN ST
Contact City,State,Zip:	ORANGE, CA 92868-0000
Contact Telephone:	714-571-3564
Contact Fax:	714-571-3599
Contact Email:	KNGUYEN@WESTERNDENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	530 S MAIN STREET
Mailing City,State,Zip:	ORANGE, CA 92868-0000
Owner Name:	WESTERN DENTAL SERVICES, INC
Owner Type:	Other
Operator Name:	KAREN NGUYEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

WESTERN DENTAL SERVICES INC (Continued) **1024796723**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WESTERN DENTAL SERVICES, INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 S MAIN STREET
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-480-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAREN NGUYEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 S MAIN ST
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-571-3564
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WESTERN DENTAL SERVICES INC (Continued) **1024796723**

Historic Generators:
- Receive Date: 19970106
- Handler Name: WESTERN DENTAL SERVICES INC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 62121
- NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

H63 **WESTERN DENTAL SERVICES** **San Diego Co. HMMD** **S102626398**
North **12649 POWAY RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **POWAY, CA 92064** **CERS**
0.248 mi.
1308 ft. **Site 3 of 9 in cluster H**

Relative: Higher

Actual: 476 ft.

HMMD SAN DIEGO:
- Name: WESTERN DENTAL SERVICES
- Address: 12649 POWAY RD
- City,State,Zip: POWAY, CA 92064
- Permit Number: Not reported
- Business Type: Not reported
- EPA Id Number: CAL000178822
- APN: Not reported
- Last HMMD Inspection: Not reported
- Facility Telephone: 858-486-6100
- Permit Status: Permit Renewed
- Permit Expiration: Not reported
- Date Last Updated: 04/28/2021
- Facility Owner: Not reported
- Facility Mailing Address: 530 S Main St, Orange, CA 92868
- Facility Mailing City: Not reported
- Facility Mailing State: Not reported
- Facility Mailing Zip: Not reported
- UST Owner: N
- Handle Regulated Hazmat: Not reported
- Own Or Operate UST: Not reported
- Subject To APSA: Not reported
- Generate Haz Waste: Y
- Treat Haz Waste: N
- Generate Medical Waste: Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Inspection Violation:

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-153983
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5909526
Return To Compliance Date:	2018-07-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-04-28T00:00:00.000
Inspection Date:	2018-04-10T14:41:00.000
Violation Code:	HMD4303 Did not maintain on file disposal receipts, tracking or shipping documents for medical waste shipped offsite for at least 3 years. HSC 117945

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-153983
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5909526
Return To Compliance Date:	2018-05-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-04-28T00:00:00.000
Inspection Date:	2018-04-10T14:41:00.000
Violation Code:	HMD4201 UPF Permit not obtained. HSC 117705; SDCC 68.905, 68.906, 68.1202

Waste and Materials:

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107656
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-18T02:30:33.000
Chemical Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107657
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-18T02:30:33.000
Chemical Name:	Mercury

WESTERN DENTAL SERVICES (Continued) **S102626398**

Common Name: Universal Waste Almalgam
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192213
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-28T02:32:19.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192214
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-28T02:32:19.000
Chemical Name: Mercury
Common Name: Universal Waste Almalgam
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0192215
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-28T02:32:19.000
Chemical Name: Regulated Medical Waste
Common Name: Red Bag Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175203
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-26T02:35:30.000
Chemical Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-153983
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0175204
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-26T02:35:30.000
Chemical Name: Mercury
Common Name: Universal Waste Almalgam
Case Number: Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0175205
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-02-26T02:35:30.000
Chemical Name:	Regulated Medical Waste
Common Name:	Red Bag Waste
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146772
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-02T02:31:25.000
Chemical Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Common Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-153983
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146773
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-02T02:31:25.000
Chemical Name:	Mercury
Common Name:	Universal Waste Almalgam
Case Number:	Not reported

Name:	WESTERN DENTAL SERVICES
Address:	12649 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	153983
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	317-490-74-00
Last HMMD Inspection:	04/17/2009
Facility Telephone:	858-486-6100
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	WESTERN DENTAL SERVICES
Facility Mailing Address:	12649 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Generate Medical Waste: Y

Inventory Active Permits (SQG Medical):

Permit Number: 153983
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: FIXER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 153983
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 153983
Update Date: 11/02/2012
Inspection Date: 04/17/2009
Violation Code: 6HV4203
Violation: MED WASTE STORAGE NOT SECURED
Violation Citation: Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118307, 118310
Activity: ACTIVE

Permit Number: 153983
Update Date: 11/02/2012
Inspection Date: 04/17/2009
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

CERS HAZ WASTE:

Name: WESTERN DENTAL SERVICES
Address: 12649 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 85544
CERS ID: 10374364
CERS Description: Hazardous Waste Generator

CERS:

Name: WESTERN DENTAL SERVICES
Address: 12649 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 85544
CERS ID: 10374364

WESTERN DENTAL SERVICES (Continued) **S102626398**

CERS Description: Chemical Storage Facilities

Coordinates:
Site ID: 85544
Facility Name: WESTERN DENTAL SERVICES
Env Int Type Code: HWG
Program ID: 10374364
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.954260
Longitude: -117.056760

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 530 S Main St Attention: Facilities Dept
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92868
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: WESTERN DENTAL SERVICES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 480-3000,

Affiliation Type Desc: Document Preparer
Entity Name: Gerardo Mejia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Edward Saldana
Entity Title: Not reported
Affiliation Address: 530 S Main St
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92868
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Western Dental Services, Inc.
Entity Title: Not reported
Affiliation Address: Not reported

WESTERN DENTAL SERVICES (Continued) **S102626398**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Mejia
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Western Dental Services, Inc
Entity Title:	Not reported
Affiliation Address:	530 S Main St
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92868
Affiliation Phone:	(714) 480-3000,

H64 **SENANG INVESTMENTS, LLC** **RCRA NonGen / NLR** **1024754219**
North **12629 POWAY ROAD** **CAC002974034**
1/8-1/4 **POWAY, CA 92064**
0.248 mi.
1308 ft. **Site 4 of 9 in cluster H**

Relative: RCRA NonGen / NLR:
Higher

Actual: Date Form Received by Agency: 20180803
476 ft. Handler Name: SENANG INVESTMENTS, LLC
Handler Address: 12629 POWAY ROAD
Handler City,State,Zip: POWAY, CA 92064
EPA ID: CAC002974034
Contact Name: MONICA VAZQUEZ
Contact Address: 6265 COTTAGE DRIVE
Contact City,State,Zip: CARLSBAD, CA 92009
Contact Telephone: 619-295-1100
Contact Fax: Not reported
Contact Email: VANESSAPIZARRO@ALLIANCE-ENVIRO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6265 COTTAGE DRIVE
Mailing City,State,Zip:	CARLSBAD, CA 92009
Owner Name:	SENANG INVESTMENTS, LLC
Owner Type:	Other
Operator Name:	MONICA VAZQUEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONICA VAZQUEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6265 COTTAGE DRIVE
Owner/Operator City,State,Zip:	CARLSBAD, CA 92009
Owner/Operator Telephone:	619-295-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SENANG INVESTMENTS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6265 COTTAGE DRIVE
Owner/Operator City,State,Zip:	CARLSBAD, CA 92009
Owner/Operator Telephone:	619-295-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180803
Handler Name:	SENANG INVESTMENTS, LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

SENANG INVESTMENTS, LLC (Continued) **1024754219**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H65 **BIG 5 SPORTING GOODS #463** **RCRA NonGen / NLR** **1024851787**
North **12630 POWAY RD** **CAL000410431**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1314 ft. **Site 5 of 9 in cluster H**

Relative: **Higher**
Actual: **477 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20150916
Handler Name:	BIG 5 SPORTING GOODS #463
Handler Address:	12630 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAL000410431
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact City,State,Zip:	EL SEGUNDO, CA 90245
Contact Telephone:	310-536-0611
Contact Fax:	Not reported
Contact Email:	ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP
Owner Type:	Other
Operator Name:	ROGER TANAKA EXT 5523
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported

BIG 5 SPORTING GOODS #463 (Continued) **1024851787**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BIG 5 CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROGER TANAKA EXT 5523
Legal Status:	Other

BIG 5 SPORTING GOODS #463 (Continued) **1024851787**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150916
Handler Name:	BIG 5 SPORTING GOODS #463
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	45111
NAICS Description:	SPORTING GOODS STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H66 **BIG 5 SPORTING GOODS #463** **CERS HAZ WASTE** **S117298034**
North **12630 POWAY RD** **CERS** **N/A**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1314 ft. **Site 6 of 9 in cluster H**

Relative:
Higher

Actual:
477 ft.

CERS HAZ WASTE:

Name:	BIG 5 SPORTING GOODS #463
Address:	12630 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	369475
CERS ID:	10670683
CERS Description:	Hazardous Waste Generator

CERS:

Name:	BIG 5 SPORTING GOODS #463
Address:	12630 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	369475
CERS ID:	10670683
CERS Description:	Chemical Storage Facilities

BIG 5 SPORTING GOODS #463 (Continued) **S117298034**

Violations:

Site ID:	369475
Site Name:	BIG 5 SPORTING GOODS #463
Violation Date:	10-15-2021
Citation:	HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description:	Failure of a storage facility, treatment facility, transfer facility, resource recovery facility, or disposal site to accept, treat, store, or dispose of a hazardous waste at the facility, area, or site, without a hazardous waste facilities permit or other grant of authorization from the department, or a permit-by-rule, conditional authorization, or conditional exemption permit from the CUPA.
Violation Notes:	Inspection Sequence ID:6798333
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-10-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffin Donelle Inspection ID:5903534
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-15-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Rosales Jennifer Inspection ID:6798333
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5487891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	369475
Facility Name:	BIG 5 SPORTING GOODS #463
Env Int Type Code:	HWG
Program ID:	10670683
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.954150
Longitude:	-117.057290

BIG 5 SPORTING GOODS #463 (Continued) **S117298034**

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	BIG 5 SPORTING GOODS CORPORATION
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 350-2413,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD/ATTN: ROGER TANAKA
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Ashley Campbell
Entity Title:	ENVIRONMENTAL COMPLIANCE SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	BIG 5 SPORTING GOODS #463
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 513-2666,

Affiliation Type Desc:	Document Preparer
Entity Name:	ASHLEY CAMPBELL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA

BIG 5 SPORTING GOODS #463 (Continued) **S117298034**

Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ROGER TANAKA
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BIG 5 SPORTING GOODS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

G67 **317-540-47** **US BROWNFIELDS 1016346524**
WNW **12424 POWAY ROAD** **FINDS N/A**
1/8-1/4 **POWAY, CA 92064**
0.249 mi.
1315 ft. **Site 10 of 10 in cluster G**

Relative: **Higher**

Actual: **480 ft.**

US BROWNFIELDS:

Name:	317-540-47
Address:	12424 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-540-47
Parcel size:	0.6
Latitude:	32.952026
Longitude:	-117.061875
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Jack-in-the-Box - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Datum:	-
Acres Property ID:	39701
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA

317-540-47 (Continued) **1016346524**

Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Jack in the Box, Inc., Mira Mesa Square
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-

317-540-47 (Continued) **1016346524**

VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Jack-in-the-Box - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Below Poverty Number:	163
Below Poverty Percent:	4.3
Meidan Income:	1964
Meidan Income Number:	818
Meidan Income Percent:	21.58
Vacant Housing Number:	94
Vacant Housing Percent:	6.73
Unemployed Number:	192
Unemployed Percent:	5.07

317-540-47 (Continued) **1016346524**

FINDS:
Registry ID: 110038708878

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H68 **317-490-62** **US BROWNFIELDS** **1016347242**
NNE **12657 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.260 mi.
1373 ft. **Site 7 of 9 in cluster H**

Relative:
Higher

Actual:
476 ft.

US BROWNFIELDS:

Name:	317-490-62
Address:	12657 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-62
Parcel size:	0.53
Latitude:	32.954551
Longitude:	-117.056681
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: International Self Defense Centers - Facility observed to consist of one building, and parking areas. Facility observed to be self-defense studio.
Datum:	-
Acres Property ID:	39808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006

317-490-62 (Continued) **1016347242**

Current Owner:	Joseph and Susan Mechling
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

317-490-62 (Continued) **1016347242**

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	International Self Defense Centers - Facility observed to consist of one building, and parking areas. Facility observed to be self-defense studio.
Below Poverty Number:	261
Below Poverty Percent:	4.45
Meidan Income:	9028
Meidan Income Number:	1157
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.29
Unemployed Number:	275
Unemployed Percent:	4.68

FINDS:
Registry ID: 110038719376

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H69 **317-490-14** **RCRA-SQG** **1001023173**
NNE **12665 POWAY ROAD** **US BROWNFIELDS** **CAR000005314**
1/4-1/2 **POWAY, CA 92064** **San Diego Co. HMMD**
0.262 mi. **FINDS**
1383 ft. **Site 8 of 9 in cluster H** **ECHO**
HAZNET
Relative: **HWTS**
Higher

Actual: RCRA-SQG:
477 ft.

Date Form Received by Agency:	19950828
Handler Name:	POWAY FORD USED CAR FACILITY
Handler Address:	12665 POWAY RD
Handler City,State,Zip:	POWAY, CA 92064
EPA ID:	CAR000005314
Contact Name:	FRANK PINCELLI
Contact Address:	12740 POWAY RD
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	619-748-1400
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	KENNETH HIETT
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline

317-490-14 (Continued) **1001023173**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KENNETH HIETT
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12703 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-679-9127
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19950828
Handler Name:	POWAY FORD USED CAR FACILITY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

317-490-14 (Continued) **1001023173**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US BROWNFIELDS:

Name:	317-490-14
Address:	12665 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-14
Parcel size:	0.93
Latitude:	32.955039
Longitude:	-117.055993
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Perry Ford Auto Center - Facility observed to consist of one building, and parking areas. Facility observed to be auto sales and repair facility.
Datum:	-
Acres Property ID:	39796
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006

317-490-14 (Continued) **1001023173**

Current Owner:	Falk Trust 08-05-2002
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

317-490-14 (Continued) **1001023173**

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Perry Ford Auto Center - Facility observed to consist of one building, and parking areas. Facility observed to be auto sales and repair facility.
Below Poverty Number:	261
Below Poverty Percent:	4.44
Meidan Income:	9043
Meidan Income Number:	1159
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.26
Unemployed Number:	276
Unemployed Percent:	4.69

HMMD SAN DIEGO:

Name:	POWAY FORD USED CARS
Address:	12665 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	134795
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	317-490-14-00
Last HMMD Inspection:	06/05/1995
Facility Telephone:	858-748-1400
Permit Status:	INAC
Permit Expiration:	09/30/1995

317-490-14 (Continued) **1001023173**

Date Last Updated:	11/02/2012
Facility Owner:	POWAY FORD USED CARS
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:
Registry ID: 110002907739

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038719250

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001023173
Registry ID:	110002907739
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002907739
Name:	POWAY FORD USED CAR FACILITY
Address:	12665 POWAY RD
City,State,Zip:	POWAY, CA 92064

HAZNET:

Name:	POWAY FORD USED CAR FACILITY
Address:	12665 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
Contact:	KENNETH HIETT
Telephone:	6197481400
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Year:	1995
Gepaid:	CAR000005314

317-490-14 (Continued) **1001023173**

TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.231

Additional Info:

Year:	1995
Gen EPA ID:	CAR000005314
Shipment Date:	19951106
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951106
Manifest ID:	95488993
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	POWAY FORD USED CAR FACILITY
Address:	12665 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAR000005314
Inactive Date:	06/30/1998
Create Date:	12/08/1995
Last Act Date:	07/06/2010
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920644404
Owner Name:	KENNETH HIETT
Owner Address:	12703 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	KENNETH HIETT
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	- BATCH 4/27
City,State,Zip:	POWAY, CA 920640000

H70 **317-490-77, -78, -79, -80, -81, -82, -83** **US BROWNFIELDS** **1014933039**
North **12600 BLOCK OF POWAY ROAD (EVENS)** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.273 mi.
1443 ft. **Site 9 of 9 in cluster H**

Relative:
Higher

Actual:
479 ft.

US BROWNFIELDS:

Name:	317-490-77, -78, -79, -80, -81, -82, -83
Address:	12600 BLOCK OF POWAY ROAD (EVENS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-77, -78, -79, -80, -81, -82, -83
Parcel size:	10
Latitude:	32.954432
Longitude:	-117.057254
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Poway Crossing - Facility observed to consist of six buildings, and parking and landscaped areas. Facility observed to be shopping center.
Datum:	-
Acres Property ID:	39686
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Westcore Poway Plaza, LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-490-77, -78, -79, -80, -81, -82, -83 (Continued) **1014933039**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-490-77, -78, -79, -80, -81, -82, -83 (Continued) **1014933039**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Poway Crossing - Facility observed to consist of six buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	261
Below Poverty Percent:	4.48
Meidan Income:	9043
Meidan Income Number:	1149
Meidan Income Percent:	19.73
Vacant Housing Number:	155
Vacant Housing Percent:	7.34
Unemployed Number:	272
Unemployed Percent:	4.67

I71 **CHEVRON #94955** **SAN DIEGO CO. SAM** **U003938801**
WNW **12410 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **SWEEPS UST**
0.274 mi. **Cortese**
1448 ft. **Site 1 of 10 in cluster I** **SAN DIEGO CO LOP**

Relative: Higher

Actual: 467 ft.

SAN DIEGO CO. SAM:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Case Number:	H05705-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	4/24/1996
Date Began:	2/28/1994

HMMD SAN DIEGO:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	105705
Business Type:	6HK28
EPA Id Number:	CAL000130963
APN:	317-540-46-00

CHEVRON #94955 (Continued) **U003938801**

Last HMMD Inspection:	07/19/2002
Facility Telephone:	858-748-3300
Permit Status:	CHNG
Permit Expiration:	06/30/2002
Date Last Updated:	11/02/2012
Facility Owner:	CHEVRON USA INC
Facility Mailing Address:	PO BOX 6004
Facility Mailing City:	SAN RAMON
Facility Mailing State:	CA
Facility Mailing Zip:	94583-
UST Owner:	CHEVRON USA INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105705 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	7500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 105705 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 105705 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	3

CHEVRON #94955 (Continued) **U003938801**

Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 105705 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1961-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 105705 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	DOUBLE WALL
Additional Id:	1 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105705 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105705
Tank Type:	DOUBLE WALL
Additional Id:	2 UNLEADED
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00

CHEVRON #94955 (Continued) **U003938801**

Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 105705 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 105705
Tank Type: DOUBLE WALL
Additional Id: 3 UNLEADED
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

SWEEPS UST:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 5705
Number: Not reported
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000001
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 4

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 5705
Number: Not reported
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000002

CHEVRON #94955 (Continued) **U003938801**

Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	5705
Number:	Not reported
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005705-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	5705
Number:	Not reported
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005705-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	5705
Number:	9
Board Of Equalization:	44-022275
Referral Date:	Not reported
Action Date:	06-26-92

CHEVRON #94955 (Continued) **U003938801**

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Active
Comp Number: 5705
Number: 9
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: CHEVRON #94955
Address: 12410 POWAY RD
City: POWAY
Status: Active
Comp Number: 5705
Number: 9
Board Of Equalization: 44-022275
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005705-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

CORTESE:
Name: CHEVRON #94955
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 920644303
Region: CORTESE
Envirostor Id: Not reported

CHEVRON #94955 (Continued) **U003938801**

Global ID:	T0607301492
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1994-LSAM-H05705-001
Record Status:	Completed
Opened Date:	02/28/1994
Parcel Number:	317-540-46-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CHEVRON #9-4955
SWRCB Global ID:	T0607301492
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/07/1994
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521511
Longitude:	-117.0621083
X MapCoord:	6312544.552
Y MapCoord:	1927196.638

I72 **CHEVRON SERVICE STA #9-4955** **LUST** **S101308180**
WNW **12410 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS HAZ WASTE**
0.274 mi. **CERS TANKS**
1448 ft. **Site 2 of 10 in cluster I** **EMI**
HIST CORTESE
Relative: **CERS**
Higher

Actual: **467 ft.**

LUST:

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 920644303

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301492
Global Id:	T0607301492
Latitude:	32.9519897
Longitude:	-117.0620681
Status:	Completed - Case Closed
Status Date:	07/30/2013
Case Worker:	EB
RB Case Number:	9UT2737
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H05705-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case was opened on February 28, 1994, following the discovery of dissolved phase gasoline constituents in a monitoring well (MW-16) installed in the sidewalk adjacent to the Chevron station by Shell Oil Company. The Shell station (Case H03181-001) is located south and down-gradient of the Chevron station at 12365 Poway Road. Soil samples were collected from soil borings, nine monitoring well borings, and from beneath the product line trenches during station upgrade activities. The soil data indicated that contaminated soil is present at the location of the former western dispenser area, near the current underground storage tanks (USTs) and at the former UST area and dispenser area in the southwest corner of the site. The contaminated soil is present at depths of 14 to 22 feet below ground surface (bgs). The consultant estimated that 318 cubic yards of contaminated soil remain onsite. Nine monitoring wells (four onsite and five offsite) were installed as part of the site investigation between 1996 and 2011. Groundwater monitoring began on April 24, 1996 and continued until April 26, 2012. Free product was observed in Shell well MW-16, located in the sidewalk adjacent to the Chevron Station from 4/20/1996 to 10/8/1996. Free product was not detected in any other site monitoring wells. Dissolved gasoline, benzene, ethylbenzene, toluene, xylenes, methyl tertiary butyl ether (MTBE) and tert butyl alcohol were detected in the groundwater in the source area monitoring wells (MW2 and/or MW3) and down-gradient (MW5). MTBE was also detected in offsite well MW7. Tert butyl alcohol (TBA) was detected in well MW2, MW3 and down-gradient well MW5. The consultant stated that the dissolved benzene and ethyl benzene plumes appeared to originate at the former UST and dispenser area at the southwest corner of the site. The benzene plume may extend offsite to well MW7. The MTBE and TBA plumes appear to have originated in the vicinity of the former western dispenser area. The MTBE plume has migrated offsite to well MW5 and was also detected in offsite well MW7. The plumes appear to be delineated and stabile or decreasing in concentration. Groundwater in the area of the site is designated as having beneficial uses for municipal/domestic supply and agriculture, with potential beneficial use for industrial service supply. The depth to water has ranged from 7.0 to 18.19 feet below the top of casing. The calculated hydraulic gradient in April 2012 was 0.06 with groundwater flow to the west-southwest. The consultant contacted the City of Poway regarding potential water supply wells within one mile of the site. Mr. Howard from the City of Poway stated that the City of Poway does not operate any public supply wells. Active remediation of the soil or groundwater has not occurred at the site. A sensitive

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

receptor survey conducted for the site identified sixteen wells from the USGS and Department of Water Resources databases located within a one-mile radius of the site. However, the consultant was not able to field verify the existence of any of these wells. An unnamed tributary to Poway Creek is located approximately 610 feet west of the site. The consultant stated that the creek is unlikely to be impacted from the site based on the distance. Other receptors including two ponds and several schools were eliminated from further consideration as sensitive receptors based on their distance from the site. The Meadowbrook Ecological Reserve is located approximately 1500 feet northwest of the site (up-gradient). The consultant stated that the Meadowbrook Ecological Reserve could be eliminated from consideration based on the distance from the site and the extent of the hydrocarbon plumes. Several subsurface utilities such as gas, electric, water, sewer and telecommunication lines were identified in the site vicinity. The consultant reported that a high pressure gas line is located beneath Pomerado Road at estimated depths of two to four feet. Electrical supply lines are located along the south side of Poway Road (estimated depths of two to four feet). Water supply lines are located beneath Poway Road at estimated depths of three to six feet. Storm drains are located directly south of the site on Poway Road. Two sewer lines are located in the site vicinity, one on Pomerado Road and one on Poway Road. The consultant estimated that the depth of the sewer lines is eight to ten feet bgs. Cox Communication and AT&T have cable lines along Pomerado Road. The consultant stated that the depth to groundwater in the wells closest to the utilities ranged from 10 to 17 feet. The consultant stated that the potential for migration of contaminants within the sewer line trenches does not appear to have significantly contributed to plume migration. The consultant prepared a Corrective Action Plan for the site which recommended remediation by natural attenuation. Trend analyses conducted by the consultant indicate that the concentrations of benzene should decay by natural attenuation to reach the MCL of I microgram per liter (ug/l) in 37 years, ethylbenzene should reach the MCL of 300 ug/l in 60 years, MTBE should reach the MCL of 13 ug/l in 22 years, and that concentrations of TBA should be below the State Notification limit in 60 years. The site is an active gas station and health risks due to vapor intrusion did not warrant soil vapor sampling. The consultant has recommended no further action for the site and destruction of all monitoring wells given that the plumes are stabile and/or decreasing, groundwater in the immediate vicinity of the site is not being used for municipal or domestic supply and there do not appear to be any sensitive receptors that will be impacted by the site. DEH concurs with this recommendation.

LUST:
Global Id: T0607301492
Contact Type: Local Agency Caseworker
Contact Name: Ellen Beacon
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ellen.beacon@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607301492

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Action Type:	ENFORCEMENT
Date:	11/20/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	08/07/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Discovery
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	03/11/1994
Action:	Notice of Responsibility
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Reported
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	01/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	09/15/2010
Action:	Soil and Water Investigation Workplan
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	10/03/2012
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	11/14/2012
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	03/07/2013

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Action:	Correspondence - Regulator Responded
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	02/06/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Began
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	07/30/2013
Action:	Closure/No Further Action Letter
Global Id:	T0607301492
Action Type:	Other
Date:	02/28/1994
Action:	Leak Stopped
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Sensitive Receptor Survey Report
Global Id:	T0607301492
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	06/13/2011
Action:	Staff Letter
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	09/27/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	10/18/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301492
Action Type:	ENFORCEMENT
Date:	03/08/2013
Action:	Technical Correspondence / Assistance / Other

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Global Id: T0607301492
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607301492
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301492
Action Type: RESPONSE
Date: 06/27/2011
Action: Site Assessment Report

Global Id: T0607301492
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

LUST:
Global Id: T0607301492
Status: Open - Case Begin Date
Status Date: 02/28/1994

Global Id: T0607301492
Status: Open - Remediation
Status Date: 04/24/1996

Global Id: T0607301492
Status: Open - Site Assessment
Status Date: 09/25/2009

Global Id: T0607301492
Status: Open - Eligible for Closure
Status Date: 11/20/2012

Global Id: T0607301492
Status: Completed - Case Closed
Status Date: 07/30/2013

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT2737
Local Case: H05705-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Case Type: Aquifer affected
Date Found: 02/28/1994
Date Stopped: 02/28/1994
Confirm Date: 03/07/1994
Submit Workplan: 3/10/94
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/11/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: G&M OIL #112
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 201047
Business Type: 6HK28
EPA Id Number: CAL000249845
APN: 317-540-46-00
Last HMMD Inspection: 05/27/2012
Facility Telephone: 858-513-9143
Permit Status: OPEN
Permit Expiration: 02/28/2013
Date Last Updated: 11/02/2012
Facility Owner: G&M OIL CO LLC
Facility Mailing Address: 12410 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: G & M OIL CO LLCC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: DIESEL
Other Information: UNDERGROUND TANK 105705 T006

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 105705 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 105705 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS SPENT/ERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 04/03/2003
Violation Code: 6HV3113
Violation: 2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation: Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV0148
Violation:	WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation:	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

UST:

UST Name:	UNDERGROUND TANK 105705 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T001; RT4208/RT4370, RT5327
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105705 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T002; RT4208/RT4370
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105705 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201047
Tank Type:	DOUBLE WALL
Additional Id:	T003; RT4208/RT4370
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	CHEVRON (G&M #112)
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Business Type:	Not reported
EPA Id Number:	CAL000249845
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	800-403-6142 ext 7112
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/27/2021
Facility Owner:	Not reported
Facility Mailing Address:	16868 A LANE, HUNTINGTON BEACH, CA 92647
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5103856
Return To Compliance Date:	2015-06-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2015-06-02T00:00:00.000
Violation Code:	2030016 Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 16 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f).

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5428869
Return To Compliance Date:	2016-07-22T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2016-06-01T11:02:00.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5652104
Return To Compliance Date:	2017-05-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2017-05-31T16:23:12.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2018-06-01T15:11:00.000
Violation Code:	2030002 (RD) Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

(LLD), automatic tank gauge (ATG), etc.). 23 CCR 2638(a)(b), 2651(j), 2715(i).

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2018-06-01T15:11:00.000
Violation Code:	2030025 (RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6160253
Return To Compliance Date:	2019-06-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	19781
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2019-06-18T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5895418
Return To Compliance Date:	2018-06-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2018-06-01T15:11:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030013 Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented. 23 CCR 16 2715

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5064601
Return To Compliance Date:	2014-06-09T00:00:00.000

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2014-06-04T09:23:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6160253
Return To Compliance Date:	2019-06-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19783
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2019-06-18T00:00:00.000
Violation Code:	2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4314482
Return To Compliance Date:	2013-06-04T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2013-06-04T10:09:00.000
Violation Code:	2030017 Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 16 2636(f)(5)
Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5103856

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Return To Compliance Date:	2015-06-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	19782
Container/Tank Id:	Not reported
Last Update:	2021-11-24T00:51:57.000
Inspection Date:	2015-06-02T00:00:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.

UST DTL:

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19783
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-11-24T00:52:06.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19781
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-11-24T00:52:06.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201047
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	G&M OIL CO LLC
Tankid:	19782
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-11-24T00:52:06.000
Tank Capacityin Gallons:	10000
Tank Contents:	Biodiesel B6 - B99

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Type Of Tank: Double Wall

Waste and Materials:

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125175
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-02-24T02:34:18.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105705 T005
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-02-24T02:34:18.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 105705 T007
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125177
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-02-24T02:34:18.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104197
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-24T02:34:18.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104198
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-24T02:34:18.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0262017
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-08-18T01:58:51.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 105705 T005
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0262018
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-08-18T01:58:51.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 105705 T007
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0284977
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-08-27T02:05:34.000
Chemical Name:	UNLEADED GASOLINES (ALL GRADES)
Common Name:	UNDERGROUND TANK 105705 T005/T007
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0185902
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-01-30T02:36:42.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 105705 T005
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0185903
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-01-30T02:36:42.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 105705 T007
Case Number:	86290-81-5

Record ID:	DEH2002-HUPFP-201047
Permit Status:	Permit Renewed

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185904
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160771
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0160772
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-30T02:36:42.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0284978
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-27T02:05:34.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253501
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-27T02:05:35.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253502

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-27T02:05:35.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217896
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105705 T005
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217897
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 105705 T007
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0217898
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0187937
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-01T02:33:33.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0187938
Trade Secret: N
Hazardous Material Type: Not reported

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Last Updated: 2020-02-01T02:33:33.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0262019
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105705 T006
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232980
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WASTE WATER & FUEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-201047
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232981
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-18T01:58:51.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: WASTE FUEL FILTERS & ABSORBENT
Case Number: Not reported

Name: G&M OIL #112
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 201047
Business Type: 6HK28
EPA Id Number: CAL000249845
APN: 317-540-46-00
Last HMMD Inspection: 05/27/2012
Facility Telephone: 858-513-9143
Permit Status: OPEN
Permit Expiration: 02/28/2013
Date Last Updated: 11/02/2012
Facility Owner: G&M OIL CO LLC
Facility Mailing Address: 12410 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: G & M OIL CO LLCC

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: DIESEL
Other Information: UNDERGROUND TANK 105705 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 105705 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 105705 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS SPENT/ERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 04/03/2003

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Code: 6HV3113
Violation: 2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation: Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV0148
Violation:	WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation:	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105705 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T001; RT4208/RT4370, RT5327
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T002; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T003; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: SUPER UNLEADED

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	G&M OIL #112
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	201047
Business Type:	6HK28
EPA Id Number:	CAL000249845
APN:	317-540-46-00
Last HMMD Inspection:	05/27/2012
Facility Telephone:	858-513-9143
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	G&M OIL CO LLC
Facility Mailing Address:	12410 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	G & M OIL CO LLCC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105705 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105705 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	201047
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Other Information: UNDERGROUND TANK 105705 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201047
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS SPENT/ERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 04/03/2003
Violation Code: 6HV3113
Violation: 2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation: Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/27/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/22/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	06/21/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/06/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	201047
Update Date:	11/02/2012
Inspection Date:	05/25/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/06/2009
Violation Code: 6HV0148
Violation: WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation: Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201047
Update Date: 11/02/2012
Inspection Date: 05/25/2006
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105705 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T001; RT4208/RT4370, RT5327
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF &

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T002; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105705 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201047
Tank Type: DOUBLE WALL
Additional Id: T003; RT4208/RT4370
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: SUPER UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 18243
CERS ID: 10138355
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 18243
CERS ID: 10138355
CERS Description: Underground Storage Tank

EMI:
Name: CHEVRON / POWAY
Address: 12410 POWAY RD

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Name:	CHEVRON / POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEVRON POWAY
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4507
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.420041
Reactive Organic Gases Tons/Yr:	1.420041
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEVRON POWAY
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.420041
Reactive Organic Gases Tons/Yr: 1.420041
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.36
Reactive Organic Gases Tons/Yr: 2.36
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.3599999999999999
Reactive Organic Gases Tons/Yr: 2.3599999999999999
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2010
County Code: 37
Air Basin: SD
Facility ID: 4507
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3599999999999999
Reactive Organic Gases Tons/Yr:	2.3599999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	CHEVRON SERVICE STA #9-49
edr_fadd1:	12410 POWAY
City,State,Zip:	POWAY, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2737

CERS:

Name:	G&M OIL CO LLC
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	469330
CERS ID:	110002616928
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	WILLIAM B WRIGHT
Entity Title:	Not reported
Affiliation Address:	12410 POWAY ROAD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	CHEVRON #94955
Address:	12410 POWAY RD
City,State,Zip:	POWAY, CA 920644303
Site ID:	256177
CERS ID:	T0607301492
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	Ellen Beacon - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064
Site ID: 18243
CERS ID: 10138355
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-02-2015
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 06/02/2015. Inspection Sequence ID:5103856;Tank ID:19781,19782,19783;Violation Description:Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 16 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-02-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 06/02/2015. Inspection Sequence ID:5103856;Tank ID:19782;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 05-31-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 05/31/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418;Tank ID:19781,19782,19783;Violation Description:(RD) Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). 23 CCR 2638(a)(b), 2651(j), 2715(i).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-04-2014
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 06/09/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2016
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 07/22/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-01-2018
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 06/01/2018. Inspection Sequence ID:5895418;Tank ID:19781;Violation Description:(RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-18-2019
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 06/21/2019. Inspection Sequence ID:6160253;Tank ID:19783;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 18243
Site Name: Chevron (G&M #112)
Violation Date: 06-18-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 06/18/2019. Inspection Sequence ID:6160253;Tank ID:19781,19782,19783;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prev

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2018
Violations Found: Yes

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5895418
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5103856
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5064601
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-10-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	"No On-site Inspection" Inspector: Beacon Ellen Inspection ID:6444761
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-18-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6160253
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5428869
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5895418
Eval Division:	San Diego County Department of Env Health

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-04-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5064601
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6160253
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5652104
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5103856
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6667074
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6667074
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5428869
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5428869
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5895418
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5103856
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6667074
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5064601
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 18243
Facility Name: Chevron (G&M #112)

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Env Int Type Code:	HWG
Program ID:	10138355
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.952150
Longitude:	-117.062110

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	12410 POWAY RD
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	G&M REALCO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Identification Signer
Entity Name:	HORTENSIA NAVARRO for G&M OIL CO.
Entity Title:	COMPLIANCE ASSISTANT/CERS SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Affiliation Type Desc:	UST Tank Operator
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL GRAY
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92647
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	G&M OIL CO LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	Parent Corporation
Entity Name:	G&M OIL CO.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	G&M REALCO, LLC
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92647
Affiliation Phone:	(714) 375-4700,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16868 A LANE
Affiliation City:	HUNTINGTON BEACH
Affiliation State:	CA
Affiliation Country:	Not reported

CHEVRON SERVICE STA #9-4955 (Continued) **S101308180**

Affiliation Zip:	92647
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	SOLEDAD GERMAN for G&M OIL CO.
Entity Title:	COMPLIANCE ADMINISTRATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 375-4700,

I73 **317-540-46** **RCRA-SQG** **1000905106**
WNW **12410 POWAY ROAD** **US BROWNFIELDS** **CA0000333781**
1/4-1/2 **POWAY, CA 92064** **FINDS**
0.274 mi. **ECHO**
1448 ft. **Site 3 of 10 in cluster I**

Relative: **Higher**
Actual: **467 ft.**

RCRA-SQG:

Date Form Received by Agency:		19940505
Handler Name:	CHEVRON STATION 94955	
Handler Address:		12410 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CA0000333781
Contact Name:		WILLIAM B WRIGHT
Contact Address:		12410 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		619-748-3300
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		POWAY RD
Mailing City,State,Zip:		POWAY, CA 92064
Owner Name:		CHEVRON USA PRODUCTS CO
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

317-540-46 (Continued) **1000905106**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2833
Owner/Operator City,State,Zip:	LA HABRA, CA 90632-2833
Owner/Operator Telephone:	310-694-7452
Owner/Operator Telephone Ext:	Not reported

317-540-46 (Continued) **1000905106**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19940505
Handler Name: CHEVRON STATION 94955
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US BROWNFIELDS:
Name: 317-540-46
Address: 12410 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-540-46
Parcel size: 0.5
Latitude: 32.952001
Longitude: -117.062395
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: Chevron gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, and approximately 3 groundwater monitoring wells. An additional monitoring well was observed nearby in Pomerado Road.
Datum: -
Acres Property ID: 39700
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -

317-540-46 (Continued) **1000905106**

Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	G&M Oil Co., LLC
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-

317-540-46 (Continued) **1000905106**

Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Chevron gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 3 dispenser islands, and approximately 3 groundwater monitoring wells. An additional monitoring well was observed nearby in Pomerado Road.
Below Poverty Number:	148
Below Poverty Percent:	4.29
Meidan Income:	2455
Meidan Income Number:	798
Meidan Income Percent:	23.11

317-540-46 (Continued) **1000905106**

Vacant Housing Number: 88
Vacant Housing Percent: 6.82
Unemployed Number: 179
Unemployed Percent: 5.18

FINDS:
Registry ID: 110002616928

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038708869

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110055770358

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000905106
Registry ID: 110002616928
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002616928
Name: G&M OIL CO LLC
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064

Envid: 1000905106
Registry ID: 110055770358
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055770358
Name: CHEVRON (G&M #112)
Address: 12410 POWAY RD
City,State,Zip: POWAY, CA 92064

J74 **317-151-42, AND -43** **US BROWNFIELDS** **1016346564**
West **12369 AND 12373 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.294 mi.
1552 ft. **Site 1 of 6 in cluster J**

Relative: **Higher**

Actual: **451 ft.**

US BROWNFIELDS:

Name:	317-151-42, AND -43
Address:	12369 AND 12373 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-42, and -43
Parcel size:	1.61
Latitude:	32.952048
Longitude:	-117.061009
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Part of Poway Promenade - Facility observed to consist of retail business and vacant suite within shopping center. Monitoring wells observed .
Datum:	-
Acres Property ID:	39761
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Poway Investment Co.
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-151-42, AND -43 (Continued) **1016346564**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-151-42, AND -43 (Continued) **1016346564**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Part of Poway Promenade - Facility observed to consist of retail business and vacant suite within shopping center. Monitoring wells observed .
Below Poverty Number:	197
Below Poverty Percent:	4.3
Meidan Income:	4070
Meidan Income Number:	969
Meidan Income Percent:	21.13
Vacant Housing Number:	144
Vacant Housing Percent:	8.5
Unemployed Number:	212
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038709877

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I75 **WILLIAM P RACICOT DDS** **SAN DIEGO CO. SAM** **S106066218**
WNW **13029 POMERADO RD** **CPS-SLIC** **N/A**
1/4-1/2 **POWAY, CA 92064** **San Diego Co. HMMD**
0.294 mi. **CERS**
1553 ft. **Site 4 of 10 in cluster I**

Relative: **Higher**
Actual: **476 ft.**

SAN DIEGO CO. SAM:

Name:	WILLIAM P RACICOT DDS
Address:	13029 POMERADO RD
City,State,Zip:	POWAY, CA 920644208
Case Number:	H50251-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted

WILLIAM P RACICOT DDS (Continued) **S106066218**

Facility Status: Closed Case
Date: 9/19/2003
Date Began: 5/1/1999

CPS-SLIC:
Name: WILLIAM P RACICOT DDS
Address: 13029 POMERADO RD
City,State,Zip: POWAY, CA 920644208
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/19/2003
Global Id: T0608126275
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H50251-001
Latitude: 32.952668
Longitude: -117.062109
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: WILLIAM P RACICOT DDS
Address: 13029 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 150251
Business Type: 6HK10
EPA Id Number: Not reported
APN: 317-540-59-00
Last HMMD Inspection: 09/26/2011
Facility Telephone: 858-748-6300
Permit Status: OPEN
Permit Expiration: 11/30/2012
Date Last Updated: 11/02/2012
Facility Owner: WILLIAM P RACICOT DDS
Facility Mailing Address: 13029 POMERADO RD #B
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4208
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inventory Active Permits (SQG Medical):
Permit Number: 150251
Update Date: 11/02/2012
Case Number: Not reported

WILLIAM P RACICOT DDS (Continued) **S106066218**

Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	150251
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CERS:

Name:	WILLIAM P RACICOT DDS
Address:	13029 POMERADO RD
City,State,Zip:	POWAY, CA 920644208
Site ID:	254119
CERS ID:	T0608126275
CERS Description:	Cleanup Program Site

J76 **CIRCLE K STORE #2966** **RCRA-SQG** **1000174088**
West **12906 POMERADO** **LUST** **CAD981680929**
1/4-1/2 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.295 mi. **CPS-SLIC**
1560 ft. **Site 2 of 6 in cluster J** **San Diego Co. HMMD**
SWEEPS UST
Relative: **HIST UST**
Lower **FINDS**
ECHO
Actual: **Cortese**
448 ft. **SAN DIEGO CO LOP**
CERS

RCRA-SQG:

Date Form Received by Agency:		19960901
Handler Name:	CIRCLE K STORE #2966	
Handler Address:		12906 POMERADO
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD981680929
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities

CIRCLE K STORE #2966 (Continued) **1000174088**

State District Owner:	CA
State District:	4
Mailing Address:	5811 MANZANITA AVE
Mailing City,State,Zip:	CARMICHAEL, CA 95608
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No

CIRCLE K STORE #2966 (Continued) **1000174088**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE K CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: CIRCLE K STORE #2966	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19861016
Handler Name: CIRCLE K STORE #2966	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CIRCLE K STORE #2966 (Continued) **1000174088**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44511
NAICS Description: SUPERMARKETS AND OTHER GROCERY RETAILERS (EXCEPT CONVENIENCE RETAILERS)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607399211
Global Id: T0607399211
Latitude: 32.950321
Longitude: -117.062878
Status: Completed - Case Closed
Status Date: 04/19/2018
Case Worker: JC
RB Case Number: 9UT4000
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H20709-003
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: The Site is a former Circle K service station in the City of Poway, on the northwestern corner of the intersection of Pomerado Road and Oak Knoll Road. The station consisted of one 10,000-gallon gasoline underground storage tank (UST), one 6,000-gallon gasoline UST, two product dispensers at one island, and a convenience store building. In July 1999, the UST system, including dispensers, piping and vent lines, were removed. The convenience store building was not demolished and still exists as an operating store at the Site. During UST system removal activities, soil samples were collected from the UST cavity and the dispenser island under the direction of the San Diego County Department of Environmental Health (DEH). Soil impacts were noted beneath the USTs and dispenser. Free product was observed on top of the soil in the tank cavity at approximately 13 feet below ground surface (bgs). However, groundwater was not observed. Based on this information, Authorized Release Case H20709-003 was opened. Limited over-excavation of soils in the tank cavity was performed down to approximately 14 feet bgs in order to remove the product-saturated soils. Approximately 143 tons of soil generated during removal of USTs, products lines, and dispenser was properly disposed. In August and September 2004, TRC conducted feasibility

CIRCLE K STORE #2966 (Continued) **1000174088**

testing of dual-phase extraction (DPE) as a remedial alternative. Approximately 198 pounds (33 gallons) of vapor-phase hydrocarbons and 450 gallons of groundwater were recovered during the DPE test. Remediation wells DPE-1 through DPE-6 were installed during fourth quarter 2008. The DPE system was installed at the Site during second quarter 2009; the system was subsequently started-up on February 3, 2010. In response to a December 4, 2013 letter from the CSDDEH, the DPE system was shut down indefinitely on December 10, 2013. To date, the soil vapor extraction portion of the DPE system has operated for a total of 23,671 hours, and has removed approximately 52,930 pounds of vapor-phase hydrocarbons, while the groundwater extraction portion of the DPE system has extracted, treated, and disposed of approximately 296,952 gallons of groundwater. On May 7, 2014, limited shallow soil vapor sampling activities was conducted at the site. The data collected suggested a vapor intrusion risk to the site building did not exist. On February 16, 2015, sub-slab vapor probes SSGP-1 through SSGP-4 were installed at the site. Two rounds of vapor probe sampling were conducted; the results of which suggested a potential vapor intrusion risk to the site building does not exist. Based on the collected soil data, residual petroleum hydrocarbon impact to soil appears to be present at the location of the former UST basin, and is primarily confined to soil at depths of greater than 12 feet, but less than 16 feet bgs. On May 23, 2016, five profile soil borings (PB-1 through PB-5) were advanced at the Site to collect additional soil data to aid in the design of an injection program for the BOS 200 injections. Between October 18 and 25, 2016, ATC supervised BOS 200 injections. The completed scope of work included the injection of 8,425 pounds of BOS 200, 650 pounds of gypsum, 12.5 gallons of RPI s bacteria concentrate, and 3,850 gallons of potable water into the subsurface at 36 temporary injection point locations (IP-1 through IP-36). It was concluded that the BOS 200 injections performed at the site during October 2016 have had a positive and long-lasting effect on dissolved-phase petroleum hydrocarbons beneath the site; particularly in source-area wells MW-1 and MW-3, and to a lesser extent in remediation wells DPE-2, DPE-4, and DPE-5. The amount of TPH-impacted soil remaining in the subsurface and in the vicinity of the former USTs is estimated to be less than cubic yards. It is estimated that there is approximately 1,612 pounds of residual TPH. Based on a trend analysis, the time for benzene to reach the maximum contaminant level (MCL) of 1.0 part per billion is approximately 5 years in groundwater monitoring well DPE-5. The time for MTBE to reach the primary maximum contaminant level (MCL) of 13 parts per billion is approximately 50 years in groundwater monitoring well DPE-1. It was recommended that the County DEH grant regulatory closure of the case. DEH concurs with closure of Unauthorized Release Case H20709-003. The monitoring wells were destroyed under permit DEH2017-LSAM-00. The closure of the case is based on the current use of the property as a store and parking lot. The case was evaluated under the State s Low-Threat Underground Storage Tank Case Closure Policy (the Policy). Current and historical soil and groundwater data indicate that the secondary source has been adequately removed and a stable to decreasing plume remains. DEH concurs that the case qualifies for a low-risk closure designation. Case closure notification was completed per the Policy. ANY CONTAMINATED SOIL EXCAVATED AS PART OF SUBSURFACE CONSTRUCTION WORK MUST BE MANAGED IN ACCORDANCE WITH THE LEGAL REQUIREMENTS AT THAT TIME.

CIRCLE K STORE #2966 (Continued) **1000174088**

LUST:
Global Id: T0607399211
Contact Type: Local Agency Caseworker
Contact Name: JAMES CLAY
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: james.clay@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 09/10/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 04/03/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 07/24/2017
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607399211
Action Type: Other
Date: 07/09/1999
Action: Leak Discovery

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/07/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/27/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 05/03/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/20/2011
Action: Other Report / Document

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/08/2013
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/01/2016
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 12/02/1999
Action: Notice of Responsibility

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 05/21/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 01/05/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: Other
Date: 11/01/1999
Action: Leak Reported

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/26/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/19/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 05/13/2013
Action: Other Report / Document

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/10/2013
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE

CIRCLE K STORE #2966 (Continued) **1000174088**

Date: 07/26/2013
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/18/2016
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/05/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/12/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/19/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/17/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/27/2015
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/31/2015
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 12/02/2015
Action: Feasibility Study (FS) - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 02/26/2016
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 09/09/2015
Action: Request for Closure - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 06/29/2016
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/23/2017
Action: Remedial Action Complete - Regulator Responded

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/16/2018
Action: Request for Closure - Regulator Responded

Global Id: T0607399211
Action Type: REMEDIATION
Date: 07/09/1999
Action: Excavation

Global Id: T0607399211
Action Type: REMEDIATION
Date: 08/01/2004
Action: Dual Phase Extraction

Global Id: T0607399211
Action Type: REMEDIATION
Date: 02/03/2010
Action: Dual Phase Extraction

Global Id: T0607399211
Action Type: REMEDIATION
Date: 10/18/2016
Action: In Situ Biological Treatment

Global Id: T0607399211
Action Type: Other
Date: 07/09/1999
Action: Leak Began

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/10/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/22/2014
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/14/2016
Action: Status / Progress Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/10/2017
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE

CIRCLE K STORE #2966 (Continued) **1000174088**

Date: 05/11/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 08/24/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/25/2018
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/14/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/25/2016
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/24/2016
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 12/04/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 08/19/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 02/01/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 11/15/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 11/20/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 04/19/2018
Action: Closure/No Further Action Letter

CIRCLE K STORE #2966 (Continued) **1000174088**

Global Id: T0607399211
Action Type: Other
Date: 07/09/1999
Action: Leak Stopped

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/12/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/09/2010
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/25/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/26/2012
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 01/16/2015
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 03/14/2017
Action: NPDES / WDR Reports

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 07/13/2016
Action: Letter - Notice

Global Id: T0607399211
Action Type: ENFORCEMENT
Date: 08/12/2016
Action: Email Correspondence

Global Id: T0607399211
Action Type: ENFORCEMENT

CIRCLE K STORE #2966 (Continued) **1000174088**

Date: 08/19/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/28/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/27/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 10/20/2014
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 07/13/2015
Action: Monitoring Report - Quarterly

Global Id: T0607399211
Action Type: RESPONSE
Date: 08/15/2016
Action: WDR Application (Form 200)

LUST:
Global Id: T0607399211
Status: Open - Case Begin Date
Status Date: 07/09/1999

Global Id: T0607399211
Status: Open - Remediation
Status Date: 10/19/2000

Global Id: T0607399211
Status: Open - Verification Monitoring
Status Date: 08/03/2017

Global Id: T0607399211
Status: Completed - Case Closed
Status Date: 04/19/2018

SAN DIEGO CO. SAM:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Case Number: H20709-001
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Closed Case
Date: 9/20/1994

CIRCLE K STORE #2966 (Continued) **1000174088**

Date Began: 1/17/1986

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Case Number: H20709-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 8/5/1991
Date Began: 11/6/1990

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Case Number: H20709-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 1/30/2002
Date Began: 7/9/1999

CPS-SLIC:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/05/1991
Global Id: T0608150361
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20709-002
Latitude: 32.950321
Longitude: -117.062878
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 120709
Business Type: Not reported
EPA Id Number: Not reported
APN: 317-151-55-00
Last HMMD Inspection: 06/07/1999

CIRCLE K STORE #2966 (Continued) **1000174088**

Facility Telephone:	858-748-7693
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	THE CIRCLE K CORP.
Facility Mailing Address:	PO BOX 52085
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85072-2085
UST Owner:	TIC TOC SYSTEMS INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120709 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120709
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-09-07 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 120709 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120709
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-09-07 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

SWEEPS UST:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City:	POWAY

CIRCLE K STORE #2966 (Continued) **1000174088**

Status: Active
Comp Number: 20709
Number: 9
Board Of Equalization: 44-022104
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020709-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City: POWAY
Status: Active
Comp Number: 20709
Number: 9
Board Of Equalization: 44-022104
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020709-000002
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

HIST UST:
Name: CIRCLE K 2966
Address: 12906 POMERADO
City,State,Zip: POWAY, CA 92064
File Number: 0002AEDC
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AEDC.pdf
Region: STATE
Facility ID: 00000013657
Facility Type: Gas Station
Other Type: Not reported
Contact Name: KEN ZIMMERMAN
Telephone: 6197489952
Owner Name: CIRCLE K CORPORATION
Owner Address: 4500 SOUTH 40TH STREET
Owner City,St,Zip: PHOENIX, AZ 85040
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported

CIRCLE K STORE #2966 (Continued) **1000174088**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002749688

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000174088
Registry ID:	110002749688
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002749688
Name:	CIRCLE K STORE #2966
Address:	12906 POMERADO
City,State,Zip:	POWAY, CA 92064

CORTESE:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 920645326
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607399211
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported

CIRCLE K STORE #2966 (Continued) **1000174088**

Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1999-LSAM-H20709-003
Record Status:	Completed
Opened Date:	11/01/1999
Parcel Number:	317-151-55-00
Case Type:	LOP - Local Oversight Program
Historical Name:	TOSCO 76 #2966
SWRCB Global ID:	T0607399211
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	11/12/1999
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9502987
Longitude:	-117.0628798
X MapCoord:	6312303.251
Y MapCoord:	1926523.494

Name:	CIRCLE K #2966
Address:	12906 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1990-LSAM-H20709-002
Record Status:	Completed
Opened Date:	12/14/1990
Parcel Number:	317-151-55-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	CIRCLE K CORPORATION
SWRCB Global ID:	T0608150361
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	12/17/1990
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9502987
Longitude:	-117.0628798

CIRCLE K STORE #2966 (Continued) **1000174088**

X MapCoord: 6312303.251
Y MapCoord: 1926523.494

CERS:
Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Site ID: 231217
CERS ID: T0607399211
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CIRCLE K #2966
Address: 12906 POMERADO RD
City,State,Zip: POWAY, CA 920645326
Site ID: 231217
CERS ID: T0608150361
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JAMES CLAY - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

J77 **TOSCO/ CIRCLE K #2966** **LUST** **S104494702**
West **12906 POMERADO RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.295 mi.
1560 ft. **Site 3 of 6 in cluster J**

Relative:
Lower

Actual:
448 ft.

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4000
Local Case: H20709-003
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: EDFP
Local Agency: San Diego
How Found: Tank Closure

TOSCO/ CIRCLE K #2966 (Continued) **S104494702**

How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/09/1999
Date Stopped:	07/09/1999
Confirm Date:	/ /
Submit Workplan:	12/2/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/09/1999
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	12
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	High priority
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

I78 **317-151-47, -50, AND -51** **US BROWNFIELDS** **1016346566**
WNW **12300 BLOCK OF POWAY ROAD (ODDS)** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.300 mi.
1584 ft. **Site 5 of 10 in cluster I**

Relative: **Higher**
Actual: **453 ft.**

US BROWNFIELDS:

Name:	317-151-47, -50, AND -51
Address:	12300 BLOCK OF POWAY ROAD (ODDS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-47, -50, and -51
Parcel size:	2.43
Latitude:	32.951649
Longitude:	-117.062745
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Part of Poway Promenade - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center. Monitoring wells observed.
Datum:	-
Acres Property ID:	39763
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-

317-151-47, -50, AND -51 (Continued) **1016346566**

Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Poway Investment Co.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-

317-151-47, -50, AND -51 (Continued) **1016346566**

Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Part of Poway Promenade - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center. Monitoring wells observed.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82

317-151-47, -50, AND -51 (Continued) **1016346566**

Vacant Housing Number: 84
Vacant Housing Percent: 6.72
Unemployed Number: 175
Unemployed Percent: 5.26

FINDS:
Registry ID: 110038709895

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J79 **SHELL SVC STATION** **SAN DIEGO CO. SAM** **1000161069**
WNW **12365 POWAY RD SAP NO 135793** **San Diego Co. HMMD** **CAD982336828**
1/4-1/2 **POWAY, CA 92064** **SWEEPS UST**
0.307 mi. **HIST UST**
1622 ft. **Site 4 of 6 in cluster J** **RCRA NonGen / NLR**
Cortese
Relative: Higher **SAN DIEGO CO LOP**
CERS
Actual: 451 ft. **HWTS**

SAN DIEGO CO. SAM:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 920644218
Case Number: H03181-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 8/17/1991
Date Began: 6/29/1989

HMMD SAN DIEGO:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 103181
Business Type: 6HK29
EPA Id Number: CAL000159655
APN: 317-151-40-00
Last HMMD Inspection: 05/03/2004
Facility Telephone: 858-748-1554
Permit Status: CHNG
Permit Expiration: 02/28/2005
Date Last Updated: 11/02/2012
Facility Owner: EQUILON ENTERPRISES LLC
Facility Mailing Address: 1926 E PACIFIC COAST HY
Facility Mailing City: WILMINGTON
Facility Mailing State: CA
Facility Mailing Zip: 90744

SHELL SVC STATION (Continued) **1000161069**

UST Owner:	EQUILON ENTERPRISES LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103181 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103181 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	SINGLE WALL
Additional Id:	RT0825 REGULAR UNLEADED/AT5065
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-06-04 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103181 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103181
Tank Type:	SINGLE WALL
Additional Id:	RT0825 PLUS UNLEADED/AT5065
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-06-04 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG:

SHELL SVC STATION (Continued) **1000161069**

IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 103181 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 103181
Tank Type: SINGLE WALL
Additional Id: RT0825 PREMIUM UNLEADED/ AT5065
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 2004-06-04 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 103181 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 103181
Tank Type: DOUBLE WALL
Additional Id: RT1186 WASTE OIL/AT5065
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 2004-07-06 00:00:00
Year Installed: 1985-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SWEEPS UST:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

SHELL SVC STATION (Continued) **1000161069**

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Active
Comp Number: 3181
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W

SHELL SVC STATION (Continued) **1000161069**

Content: Not reported
Number Of Tanks: Not reported

Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 3181
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003181-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

HIST UST:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
File Number: 0002B59C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B59C.pdf
Region: STATE
Facility ID: 00000054247
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JOE SILVA
Telephone: 6197481554
Owner Name: JOSEPH SILVA
Owner Address: 12365 POWAY RD.
Owner City,St,Zip: POWAY, CA 92064
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: 10

Tank Num: 002
Container Num: 2
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: 10

SHELL SVC STATION (Continued) **1000161069**

Tank Num:	003
Container Num:	3
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	10

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

RCRA NonGen / NLR:

Date Form Received by Agency:		20210827
Handler Name:	SHELL SVC STATION	
Handler Address:		12365 POWAY RD SAP NO 135793
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD982336828
Contact Name:		SONDRA BIENVENU
Contact Address:		P O BOX 2648
Contact City,State,Zip:		HOUSTON, TX 77252-2648
Contact Telephone:		713-241-5036
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 2648
Mailing City,State,Zip:		HOUSTON, TX 77252-2648
Owner Name:		EQUILON ENTERPRISES L L C
Owner Type:		Private
Operator Name:		SHELL OIL CO
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

SHELL SVC STATION (Continued) **1000161069**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210902
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHELL OIL CO
Legal Status:	Private

SHELL SVC STATION (Continued) **1000161069**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES L L C
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHELL OIL CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES L L C
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SHELL SVC STATION (Continued) **1000161069**

Owner/Operator Indicator: Operator
Owner/Operator Name: SHELL OIL CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210827
Handler Name: SHELL SVC STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20010928
Handler Name: SHELL SVC STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CORTESE:
Name: POWAY SHELL SERVICE
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 920644218
Region: CORTESE
Envirostor Id: Not reported

SHELL SVC STATION (Continued) **1000161069**

Global ID:	T0607300295
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1989-LSAM-H03181-001
Record Status:	Completed
Opened Date:	06/29/1989
Parcel Number:	317-151-40-00
Case Type:	LOP - Local Oversight Program
Historical Name:	SHELL 204-6240-02
SWRCB Global ID:	T0607300295
Funding:	S - LOP State Fund
Lead Agency:	RWQCB
Lead Agency Date:	07/01/2013
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.20
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9514472
Longitude:	-117.0629352
X MapCoord:	6312289.81922624
Y MapCoord:	1926943.99893105

CERS:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Site ID:	228283
CERS ID:	T0607300295
CERS Description:	Leaking Underground Storage Tank Cleanup Site

HWTS:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD

SHELL SVC STATION (Continued) **1000161069**

Address 2:	Not reported
City,State,Zip:	POWAY, CA 920640000
EPA ID:	CAL000074309
Inactive Date:	01/01/1900
Create Date:	03/24/1992
Last Act Date:	10/11/1995
Mailing Name:	Not reported
Mailing Address:	12365 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920640000
Owner Name:	SILVA JOE
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	DEACT 10/12/95 CO. SOLD NEW #
Contact Address:	@ SITE:CAL000159655-P.H.
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

J80 **317-151-40** **US BROWNFIELDS** **1014673593**
WNW **12365 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.307 mi.
1622 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
451 ft.

US BROWNFIELDS:

Name:	317-151-40
Address:	12365 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-40
Parcel size:	0.51
Latitude:	32.952978
Longitude:	-117.060708
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Ultra Fuel gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands, and propane AST. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 3 dispenser islands, hydraulic lifts, 1 propane AST, several 55-gallon drums, and at least 6 to 7 groundwater monitoring wells.
Datum:	-
Acres Property ID:	39760
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-

317-151-40 (Continued) **1014673593**

Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Callaway Properties LLC
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-

317-151-40 (Continued) **1014673593**

Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Ultra Fuel gas station - Facility observed to consist of one building, parking and landscaped areas, dispenser islands, and propane AST. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 3 dispenser islands, hydraulic lifts, 1 propane AST, several 55-gallon drums, and at least 6 to 7 groundwater monitoring wells.
Below Poverty Number:	143
Below Poverty Percent:	4.3
Meidan Income:	2455
Meidan Income Number:	793
Meidan Income Percent:	23.82
Vacant Housing Number:	84
Vacant Housing Percent:	6.72
Unemployed Number:	175
Unemployed Percent:	5.26

317-151-40 (Continued) **1014673593**

FINDS:
Registry ID: 110043355507

Click Here:

Environmental Interest/Information System:
LEAKING UNDERGROUND STORAGE TANK - ARRA
Registry ID: 110038709868

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J81 **SHELL OIL STATION** **LUST** **S101301855**
WNW **12365 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS HAZ WASTE**
0.307 mi. **CERS TANKS**
1622 ft. **Site 6 of 6 in cluster J** **EMI**
HIST CORTESE
Relative: Higher **CERS**

Actual: 451 ft.

LUST:

Name:	POWAY SHELL SERVICE
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 920644218
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300295
Global Id:	T0607300295
Latitude:	32.9514426131741
Longitude:	-117.062898234918
Status:	Completed - Case Closed
Status Date:	09/02/2014
Case Worker:	Not reported
RB Case Number:	9UT1473
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	During the fall of 1988, the City of Poway was excavating a trench for a sewer line extension along the western side of Pomerado Road when they discovered gasoline saturated soil next to the Shell station. Based on the City's observations, case H03181-001 was opened on July 19, 1989. The groundwater has been monitored and sampled since March 1992. In August 1992, free product was discovered in MW-8. To date (4 Qtr 2009) free product still exists in MW-8. Free product has also been detected in MW-16 (located adjacent to upgradient Chevron) between April 1996 and December 2000, at a thickness ranging from 0.02 to 0.06 feet; trace free product detected in MW-6 in August 1992; 0.01 foot free product detected in MW-10 in December 2000. In November 2004, MW-16 and MW-17 were destroyed because they were located upgradient next to the Chevron and 76

SHELL OIL STATION (Continued) **S101301855**

stations, respectively. MW-16 and MW-17 were essentially duplicating data from the upgradient cases. In June 2004, three USTs, product piping, and dispensers were removed and replaced with two 20k-gallon (gasoline) and one 8k-gallon (diesel) USTs. Approximately 366 cubic yards of impacted soil was excavated and treated offsite. In November 2004, a soil vapor survey was conducted to evaluate potential health risks for soil vapor intrusion. The consultant concluded that the calculated risk is acceptable (less than 1E-6). For site specific data, refer to ESI Tab.

LUST:

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: Referral to Regional Board

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 09/13/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 09/13/2013
Action: Notification - Public Notice of Case Closure

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 11/05/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 03/22/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Discovery

Global Id: T0607300295
Action Type: RESPONSE
Date: 04/24/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/28/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE
Date: 10/30/2013
Action: Monitoring Report - Other

Global Id: T0607300295
Action Type: RESPONSE

SHELL OIL STATION (Continued) **S101301855**

Date: 12/16/2013
Action: Other Report / Document

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Reported

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/29/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/29/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/31/2012
Action: Other Workplan - Regulator Responded

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 07/19/1989
Action: Notice of Responsibility

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/09/2010
Action: File review

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/01/2011
Action: Letter - Notice

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 02/28/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 09/02/2014
Action: Closure/No Further Action Letter

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Began

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

SHELL OIL STATION (Continued) **S101301855**

Global Id: T0607300295
Action Type: RESPONSE
Date: 11/21/2014
Action: Other Report / Document

Global Id: T0607300295
Action Type: RESPONSE
Date: 09/01/2010
Action: Site Assessment Report - Regulator Responded

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 11/08/2011
Action: Letter - Notice

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/21/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: RESPONSE
Date: 08/06/2014
Action: Correspondence

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 05/10/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 12/01/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300295
Action Type: Other
Date: 06/29/1989
Action: Leak Stopped

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300295
Action Type: RESPONSE
Date: 07/26/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300295
Action Type: ENFORCEMENT

SHELL OIL STATION (Continued) **S101301855**

Date: 10/09/2009
Action: File review

Global Id: T0607300295
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

LUST:
Global Id: T0607300295
Status: Open - Case Begin Date
Status Date: 06/29/1989

Global Id: T0607300295
Status: Open - Remediation
Status Date: 08/17/1991

Global Id: T0607300295
Status: Open - Site Assessment
Status Date: 07/07/2009

Global Id: T0607300295
Status: Open - Eligible for Closure
Status Date: 08/15/2013

Global Id: T0607300295
Status: Completed - Case Closed
Status Date: 09/02/2014

LUST REG 9:
Region: 9
Status: Pollution Characterization
Case Number: 9UT1473
Local Case: H03181-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Nuisance Conditions
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 10/01/1988
Date Stopped: 06/29/1989
Confirm Date: 07/19/1989
Submit Workplan: Not reported
Prelim Assess: 02/07/1990
Desc Pollution: 12/1/91
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/29/1989
Enforce Date: Not reported

SHELL OIL STATION (Continued) **S101301855**

Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: 10'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: CALLAWAY OIL, INC.
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 203426
Business Type: 6HK28
EPA Id Number: CAL000159655
APN: 317-151-40-00
Last HMMD Inspection: 03/27/2012
Facility Telephone: 858-748-1554
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CALLAWAY OIL, INC
Facility Mailing Address: 12365 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: HENRY LATIFZADEH
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 203426
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: UNDERGROUND TANK 203426 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 203426 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

SHELL OIL STATION (Continued) **S101301855**

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 203426 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

SHELL OIL STATION (Continued) **S101301855**

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3151
Violation: ALL RELEASES NOT REPORTED/RECORDED
Violation Citation: All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3411

SHELL OIL STATION (Continued) **S101301855**

Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/03/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/11/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 203426 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL

SHELL OIL STATION (Continued) **S101301855**

Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 12000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name: CALLAWAY OIL, INC.
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAD982336828
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 858-748-1554
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 08/03/2021
Facility Owner: Not reported
Facility Mailing Address: 12365 POWAY RD, POWAY, CA 92064
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported

SHELL OIL STATION (Continued) **S101301855**

UST Owner: Y
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203426
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5850354
Return To Compliance Date: 2018-04-20T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 33700
Container/Tank Id: Not reported
Last Update: 2021-08-03T00:00:00.000
Inspection Date: 2018-03-14T10:44:00.000
Violation Code: 2030017 Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). 23 CCR 2636(f)(5)

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203426
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 6111693
Return To Compliance Date: 2019-05-01T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 33700
Container/Tank Id: Not reported
Last Update: 2021-08-03T00:00:00.000
Inspection Date: 2019-03-26T00:00:00.000
Violation Code: 2030013 (TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in

SHELL OIL STATION (Continued) **S101301855**

accordance with 23 CCR, 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days. 23CCR 2716 (a-e)

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6584945
Return To Compliance Date:	2021-03-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	33701
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2021-03-11T15:35:32.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5239288
Return To Compliance Date:	2015-03-19T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	33700
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2015-03-19T00:00:00.000
Violation Code:	2060015 Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6111693
Return To Compliance Date:	2019-03-26T00:00:00.000

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Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	33701
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2019-03-26T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5239288
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2015-03-19T00:00:00.000
Violation Code:	2010007 Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5608923
Return To Compliance Date:	2017-03-14T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	33701
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2017-03-14T11:26:00.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

SHELL OIL STATION (Continued) **S101301855**

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4110271
Return To Compliance Date:	2013-04-15T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2013-03-26T11:41:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5850354
Return To Compliance Date:	2018-04-20T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	33702
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2018-03-14T10:44:00.000
Violation Code:	2030018 (RD) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4811794
Return To Compliance Date:	2014-04-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	91
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2014-03-25T14:04:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426

SHELL OIL STATION (Continued) **S101301855**

Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4811794
Return To Compliance Date:	2014-04-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2014-03-25T14:04:00.000
Violation Code:	2030036 Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5239288
Return To Compliance Date:	2015-04-08T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	33700
Container/Tank Id:	Not reported
Last Update:	2021-08-03T00:00:00.000
Inspection Date:	2015-03-19T00:00:00.000
Violation Code:	2030036 Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5239290

SHELL OIL STATION (Continued) **S101301855**

Return To Compliance Date: 2016-04-01T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 33701
Container/Tank Id: Not reported
Last Update: 2021-08-03T00:00:00.000
Inspection Date: 2016-03-15T11:45:00.000
Violation Code: 2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203426
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5850354
Return To Compliance Date: 2018-04-20T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 33701
Container/Tank Id: Not reported
Last Update: 2021-08-03T00:00:00.000
Inspection Date: 2018-03-14T10:44:00.000
Violation Code: 2030025 (RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-203426
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 6584945
Return To Compliance Date: 2021-03-11T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: 33701
Container/Tank Id: Not reported
Last Update: 2021-08-03T00:00:00.000
Inspection Date: 2021-03-11T15:35:32.000
Violation Code: 2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

UST DTL:
Record ID: DEH2004-HUPFP-203426

SHELL OIL STATION (Continued) **S101301855**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	CALLAWAY OIL, INC
Tankid:	33700
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2021-08-03T02:43:15.000
Tank Capacityin Gallons:	20000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	CALLAWAY OIL, INC
Tankid:	33701
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2021-08-03T02:43:15.000
Tank Capacityin Gallons:	12000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-203426
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	CALLAWAY OIL, INC
Tankid:	33702
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2021-08-03T02:43:15.000
Tank Capacityin Gallons:	8000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0173822
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T22:34:35.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 203426 T002

SHELL OIL STATION (Continued) **S101301855**

Case Number: 8006-61-9

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173823
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T22:34:35.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 203426 T001
Case Number: 8006-61-9

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173824
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T22:34:35.000
Chemical Name: DIESEL FUEL
Common Name: UNDERGROUND TANK 203426 T003
Case Number: 68476-34-6

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173825
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T22:34:35.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0288105
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-03T02:43:15.000
Chemical Name: Gasoline Fuel Grades 87 & 91
Common Name: UNDERGROUND TANKS (All grades)
Case Number: 8006-61-9

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0288106
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-03T02:43:15.000
Chemical Name: DIESEL FUEL
Common Name: UNDERGROUND TANK 203426 T003
Case Number: 68476-34-6

SHELL OIL STATION (Continued) **S101301855**

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0288107
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-08-03T02:43:15.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	74-98-6

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0256699
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-03T02:43:15.000
Chemical Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name:	water/gas
Case Number:	Not reported

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215197
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-08-16T02:35:08.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 203426 T002
Case Number:	8006-61-9

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215198
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-08-16T02:35:08.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 203426 T001
Case Number:	8006-61-9

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0215199
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-08-16T02:35:08.000
Chemical Name:	DIESEL FUEL
Common Name:	UNDERGROUND TANK 203426 T003
Case Number:	68476-34-6

Record ID:	DEH2004-HUPFP-203426
Permit Status:	Permit Renewed

SHELL OIL STATION (Continued) **S101301855**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0215200
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-08-16T02:35:08.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0185369
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-08-16T02:35:08.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: water/gas
Case Number: Not reported

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0110123
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-08-15T02:33:37.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 203426 T002
Case Number: 8006-61-9

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0110124
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-08-15T02:33:37.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 203426 T001
Case Number: 8006-61-9

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0110125
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-08-15T02:33:37.000
Chemical Name: DIESEL FUEL
Common Name: UNDERGROUND TANK 203426 T003
Case Number: 68476-34-6

Record ID: DEH2004-HUPFP-203426
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0110126

SHELL OIL STATION (Continued) **S101301855**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-08-15T02:33:37.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Name: CALLAWAY OIL, INC.
Address: 12365 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 203426
Business Type: 6HK28
EPA Id Number: CAL000159655
APN: 317-151-40-00
Last HMMD Inspection: 03/27/2012
Facility Telephone: 858-748-1554
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CALLAWAY OIL, INC
Facility Mailing Address: 12365 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064
UST Owner: HENRY LATIFZADEH
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 203426
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: UNDERGROUND TANK 203426 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 203426 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material

SHELL OIL STATION (Continued) **S101301855**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 203426
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 203426 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 203426
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: DISPENSER FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 09/15/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/19/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET

SHELL OIL STATION (Continued) **S101301855**

Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Permit Number:	203426
Update Date:	11/02/2012
Inspection Date:	08/19/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

SHELL OIL STATION (Continued) **S101301855**

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/03/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Permit Number: 203426
Update Date: 11/02/2012
Inspection Date: 08/11/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 203426 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 203426
Tank Type: DOUBLE WALL
Additional Id: NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-22 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 203426 T002

SHELL OIL STATION (Continued) **S101301855**

Last Update:	2012-11-02 14:17:38
Permit Number:	203426
Tank Type:	DOUBLE WALL
Additional Id:	NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-22 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 203426 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	203426
Tank Type:	DOUBLE WALL
Additional Id:	NT2428 (POST JULY 1, 2003 INSTALLATION)/RT3289, RT
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-22 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	389051
CERS ID:	10374487
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	389051
CERS ID:	10374487
CERS Description:	Underground Storage Tank

EMI:

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2006
County Code:	37

SHELL OIL STATION (Continued) **S101301855**

Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 93389
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD

SHELL OIL STATION (Continued) **S101301855**

City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALLAWAY OIL INC
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1250
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.21
Reactive Organic Gases Tons/Yr:	1.21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	SHELL OIL STATION
edr_fadd1:	12365 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1473

CERS:

Name:	CALLAWAY OIL, INC.
Address:	12365 POWAY RD
City,State,Zip:	POWAY, CA 92064
Site ID:	389051
CERS ID:	10374487
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	389051

SHELL OIL STATION (Continued) **S101301855**

Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2018
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33701;Violation Description:(RD) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 03/14/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-11-2021
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 03/11/2021. Inspection Sequence ID:6584945;Tank ID:33701;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter,

SHELL OIL STATION (Continued) **S101301855**

or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2018
Citation: 23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description: "Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC)."
Violation Notes: Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33700,33701,33702;Violation Description:Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). 23 CCR 2636(f)(5)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-26-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 03/26/2019. Inspection Sequence ID:6111693;Tank ID:33701;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering

SHELL OIL STATION (Continued) **S101301855**

standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-15-2016
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 04/01/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 04/08/2015. Inspection Sequence ID:5239288;Tank ID:33700,33701,33702;Violation Description:Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

SHELL OIL STATION (Continued) **S101301855**

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-14-2018
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: Returned to compliance on 04/20/2018. Inspection Sequence ID:5850354;Tank ID:33702;Violation Description:(RD) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 03/19/2015. Inspection Sequence ID:5239288;Tank ID:33700;Violation Description:Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-25-2014
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 04/21/2014. Inspection Sequence ID:4811794;Tank ID:91,03;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-25-2014
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes

SHELL OIL STATION (Continued) **S101301855**

before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 04/21/2014. Inspection Sequence ID:4811794;Tank ID:87,91,03;Violation Description:Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-11-2021
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 03/11/2021. Inspection Sequence ID:6584945;Tank ID:33701;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-26-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the

SHELL OIL STATION (Continued) **S101301855**

monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 05/01/2019. Inspection Sequence ID:6111693;Tank ID:33700,33701,33702;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 389051
Site Name: CALLAWAY OIL, INC.
Violation Date: 03-19-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/16/2015. Inspection Sequence ID:5239288;Tank ID:0;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-11-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6584945
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2017

SHELL OIL STATION (Continued) **S101301855**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5608923
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5608923
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5850354
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5239290
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5239288
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6111693
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5850354

SHELL OIL STATION (Continued) **S101301855**

Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5239288
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4811794
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-11-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6584945
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5608923
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5239290
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5239288
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

SHELL OIL STATION (Continued) **S101301855**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4811794
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6111693
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6111693
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	04-29-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	"No On-site Inspection" Inspector: Beacon Ellen Inspection ID:6392349
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5850354
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5239290
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2014
Violations Found:	Yes

SHELL OIL STATION (Continued) **S101301855**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4811794
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 389051
Facility Name: CALLAWAY OIL, INC.
Env Int Type Code: HMBP
Program ID: 10374487
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.951450
Longitude: -117.062930

Affiliation:
Affiliation Type Desc: UST Property Owner Name
Entity Name: CALLAWAY PROPERTIES LLC
Entity Title: Not reported
Affiliation Address: 12365 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-1554,

Affiliation Type Desc: UST Tank Owner
Entity Name: CALLAWAY OIL, INC
Entity Title: Not reported
Affiliation Address: 12365 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-1554,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Operator
Entity Name: CALLAWAY OIL, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 663-5247,

SHELL OIL STATION (Continued) **S101301855**

Affiliation Type Desc:	Document Preparer
Entity Name:	Henry Latifazadeh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Paul Vidakovich
Entity Title:	Not reported
Affiliation Address:	3720 Oceanic Way #205
Affiliation City:	Oceanside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92056
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Henry Latifazadeh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	CALLAWAY PROPERTIES LLC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 663-5247,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Henry Latifzadeh
Entity Title:	Not reported
Affiliation Address:	12365 Poway Rd
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported

SHELL OIL STATION (Continued) **S101301855**

Affiliation Zip:	92064
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CALLAWAY OIL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	CALLAWAY PROPERTIES LLC
Entity Title:	Not reported
Affiliation Address:	12365 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1554,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	ATTN: HENRY LATIFAZADEH
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-1554,

K82 **317-490-75** **US BROWNFIELDS** **1016346561**
North **12672 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.309 mi.
1634 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**

Actual: **479 ft.**

US BROWNFIELDS:

Name:	317-490-75
Address:	12672 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-75
Parcel size:	0.67
Latitude:	32.955225
Longitude:	-117.056239
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Midas - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be auto repair business with service bays. Possible inground hydraulic lifts observed.
Datum:	-

317-490-75 (Continued) **1016346561**

Acres Property ID:	39685
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Robert A. and Joan M. Politte
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N

317-490-75 (Continued) **1016346561**

PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Midas - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be auto repair business with

317-490-75 (Continued) **1016346561**

service bays. Possible inground hydraulic lifts observed.

Below Poverty Number:	261
Below Poverty Percent:	4.44
Meidan Income:	9043
Meidan Income Number:	1159
Meidan Income Percent:	19.71
Vacant Housing Number:	155
Vacant Housing Percent:	7.26
Unemployed Number:	276
Unemployed Percent:	4.69

FINDS:
Registry ID: 110038709699

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

83
NW
1/4-1/2
0.315 mi.
1664 ft.

317-151-59, AND 316-120-16
12200 BLOCK OF POWAY ROAD
POWAY, CA 92064

US BROWNFIELDS **1016346567**
FINDS **N/A**

Relative:
Higher

Actual:
505 ft.

US BROWNFIELDS:

Name:	317-151-59, AND 316-120-16
Address:	12200 BLOCK OF POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-59, and 316-120-16
Parcel size:	2.98
Latitude:	32.954054
Longitude:	-117.061105
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Oak Knoll Plaza - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center.
Datum:	-
Acres Property ID:	39765
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-

317-151-59, AND 316-120-16 (Continued) **1016346567**

Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Shalanati LLC
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-

317-151-59, AND 316-120-16 (Continued) **1016346567**

Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Oak Knoll Plaza - Facility observed to consist of three buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	169
Below Poverty Percent:	4.33
Meidan Income:	1267
Meidan Income Number:	860
Meidan Income Percent:	22.04
Vacant Housing Number:	97
Vacant Housing Percent:	6.8
Unemployed Number:	194
Unemployed Percent:	4.97

FINDS:
Registry ID: 110038709911

317-151-59, AND 316-120-16 (Continued) **1016346567**

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I84 **UNOCAL** **LUST** **S105708730**
WNW **13012 POMERADO RD** **SWEEPS UST** **N/A**
1/4-1/2 **POWAY, CA 92064** **HIST UST**
0.316 mi. **EMI**
1667 ft. **Site 6 of 10 in cluster I** **CERS**

Relative:
Higher

Actual:
453 ft.

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT3685
Local Case:	H12921-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	02/19/1998
Date Stopped:	02/19/1998
Confirm Date:	05/27/1998
Submit Workplan:	7/29/98
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/27/1998
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	Not reported
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	3B
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Name:	UNOCAL SERV STATION #4887
Address:	13012 POMERADO RD

UNOCAL (Continued) **S105708730**

City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000002
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL SERV STATION #4887
Address: 13012 POMERADO RD
City: POWAY
Status: Active
Comp Number: 12921
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012921-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

UNOCAL (Continued) **S105708730**

Name:	UNOCAL SERV STATION #4887
Address:	13012 POMERADO RD
City:	POWAY
Status:	Active
Comp Number:	12921
Number:	9
Board Of Equalization:	44-000051
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012921-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	STATION 4887
Address:	13012 POMERADO ROAD
City,State,Zip:	POWAY, CA 92064
File Number:	0002F4C3
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F4C3.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

EMI:

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4680

UNOCAL (Continued) **S105708730**

Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.41
Reactive Organic Gases Tons/Yr: 1.41
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.41
Reactive Organic Gases Tons/Yr: 1.41
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.41
Reactive Organic Gases Tons/Yr: 1.41
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Year: 2009

UNOCAL (Continued) **S105708730**

County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4099999999999999
Reactive Organic Gases Tons/Yr:	1.4099999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4099999999999999
Reactive Organic Gases Tons/Yr:	1.4099999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	APC OIL INC
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Site ID:	451626
CERS ID:	110013824512
CERS Description:	US EPA Air Emission Inventory System (EIS)

I85 **UNOCAL** **LUST** **S103992010**
WNW **13012 POMERADO** **CPS-SLIC** **N/A**
1/4-1/2 **POWAY, CA 92064** **HIST CORTESE**
0.316 mi. **SAN DIEGO CO LOP**
1667 ft. **Site 7 of 10 in cluster I**

Relative:
Higher

Actual:
453 ft.

LUST:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302452

UNOCAL (Continued) **S103992010**

Global Id: T0607302452
Latitude: 32.9522537
Longitude: -117.0625511
Status: Completed - Case Closed
Status Date: 04/06/2007
Case Worker: EM
RB Case Number: 9UT3685
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H12921-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607302452
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Discovery

Global Id: T0607302452
Action Type: ENFORCEMENT
Date: 07/29/1998
Action: Notice of Responsibility

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Reported

Global Id: T0607302452
Action Type: ENFORCEMENT
Date: 04/06/2007
Action: Closure/No Further Action Letter

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Began

Global Id: T0607302452
Action Type: Other
Date: 02/19/1998
Action: Leak Stopped

LUST:
Global Id: T0607302452

UNOCAL (Continued) **S103992010**

Status: Open - Case Begin Date
Status Date: 02/19/1998

Global Id: T0607302452
Status: Completed - Case Closed
Status Date: 04/06/2007

CPS-SLIC:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/13/1987
Global Id: T0608159026
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12921-001
Latitude: 32.952143
Longitude: -117.062837
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: UNOCAL
edr_fadd1: 13012 POMERADO
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3685

SAN DIEGO CO LOP:
Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1998-LSAM-H12921-002
Record Status: Completed
Opened Date: 02/19/1998
Parcel Number: 317-153-08-00
Case Type: LOP - Local Oversight Program
Historical Name: TOSCO 76 #4887
SWRCB Global ID: T0607302452
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 05/27/1998
Census Tract: 170.50
Community: Poway

UNOCAL (Continued) **S103992010**

Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521222
Longitude:	-117.0628406
X MapCoord:	6312320.084
Y MapCoord:	1927178.609
Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1986-LSAM-H12921-001
Record Status:	Completed
Opened Date:	12/12/1986
Parcel Number:	317-153-08-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	POMERADO UNION SERVICE
SWRCB Global ID:	T0608159026
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	12/12/1986
Census Tract:	170.50
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9521222
Longitude:	-117.0628406
X MapCoord:	6312320.084
Y MapCoord:	1927178.609

I86 **317-153-08** **US BROWNFIELDS** **1006823877**
WNW **13012 POMERADO ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064** **ECHO**
0.316 mi. **EMI**
1667 ft. **Site 8 of 10 in cluster I**

Relative: **Higher**

Actual: **453 ft.**

US BROWNFIELDS:

Name:	317-153-08
Address:	13012 POMERADO ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-153-08
Parcel size:	0.32
Latitude:	32.952123
Longitude:	-117.06284
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Unocal 76 - Facility observed to consist of one building, parking and landscaped areas, and dispenser islands. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 2 dispenser islands, possible hydraulic lifts, and at least 2 groundwater monitoring wells. Not reported

317-153-08 (Continued) **1006823877**

Datum:	-
Acres Property ID:	39766
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Gold Star, Inc.
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-

317-153-08 (Continued) **1006823877**

PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Unocal 76 - Facility observed to consist of one building, parking and

317-153-08 (Continued) **1006823877**

landscaped areas, and dispenser islands. Facility observed to be gas station with service bays for auto repair. Facility observed to have approximately 3 USTs, 2 dispenser islands, possible hydraulic lifts, and at least 2 groundwater monitoring wells.

Below Poverty Number: 143
Below Poverty Percent: 4.44
Meidan Income: 2455
Meidan Income Number: 775
Meidan Income Percent: 24.05
Vacant Housing Number: 84
Vacant Housing Percent: 6.91
Unemployed Number: 168
Unemployed Percent: 5.21

FINDS:
Registry ID: 110038709920

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110013824512

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1006823877
Registry ID: 110013824512
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110013824512
Name: APC OIL INC
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064

EMI:
Name: UNOCAL / POWAY
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 4680
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD

317-153-08 (Continued) **1006823877**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL / POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4680

317-153-08 (Continued) **1006823877**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1948388
Reactive Organic Gases Tons/Yr:	2.1948388
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNOCAL POWAY
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Year:	2005

317-153-08 (Continued) **1006823877**

County Code:	37
Air Basin:	SD
Facility ID:	4680
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1948388
Reactive Organic Gases Tons/Yr:	2.1948388
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

I87 **POWAY 76** **SAN DIEGO CO. SAM** **U003789395**
WNW **13012 POMERADO RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.316 mi.
1667 ft. **Site 9 of 10 in cluster I**

Relative:
Higher

Actual:
453 ft.

SAN DIEGO CO. SAM:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Case Number:	H12921-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	1/13/1987
Date Began:	12/12/1986

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Case Number:	H12921-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	4/6/2007
Date Began:	2/19/1998

HMMD SAN DIEGO:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000371859
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(858) 679-4400
Permit Status:	Permit Renewed
Permit Expiration:	Not reported

POWAY 76 (Continued) **U003789395**

Date Last Updated:	07/22/2021
Facility Owner:	Not reported
Facility Mailing Address:	13012 Pomerado Rd., Poway, CA 92064
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5550980
Return To Compliance Date:	2017-01-12T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2016-12-13T12:52:00.000
Violation Code:	2030006 (RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4787426
Return To Compliance Date:	2013-12-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2013-12-04T08:22:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048

POWAY 76 (Continued) **U003789395**

Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4976638
Return To Compliance Date:	2015-01-22T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2014-12-19T09:21:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6388992
Return To Compliance Date:	2020-02-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2019-12-17T00:00:00.000
Violation Code:	2030013 (TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days. 23CCR 2716 (a-e)
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4787426
Return To Compliance Date:	2013-12-04T00:00:00.000
Nov:	No

POWAY 76 (Continued) **U003789395**

Violation Classification:	Not reported
Underground Storage Tank Id:	0
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2013-12-04T08:22:00.000
Violation Code:	2030019 Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected. 23 CCR 16 2636(f)(1).
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	YEARLY:UST WITH BELOW GRADE
Inspection Number:	4091961
Return To Compliance Date:	Not reported
Nov:	N
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2012-12-06T17:21:00.000
Violation Code:	2060020 Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion.
Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6038177
Return To Compliance Date:	2019-01-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2018-12-05T14:27:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Record ID:	DEH2005-HUPFP-206048

POWAY 76 (Continued) **U003789395**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6561190
Return To Compliance Date:	Not reported
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2020-12-02T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6561190
Return To Compliance Date:	2020-12-03T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2020-12-02T00:00:00.000
Violation Code:	2030078 Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6388992
Return To Compliance Date:	2020-03-24T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22206
Container/Tank Id:	Not reported
Last Update:	2021-07-22T02:04:19.000
Inspection Date:	2019-12-17T00:00:00.000

POWAY 76 (Continued) **U003789395**

Violation Code: 2030048 (TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)

UST DTL:

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APC Oil Inc.
Tankid:	22208
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-07-22T02:04:28.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Single Wall

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APC Oil Inc.
Tankid:	22209
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-07-22T02:04:28.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Single Wall

Record ID:	DEH2005-HUPFP-206048
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206048
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	APC Oil Inc.
Tankid:	22206
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure

POWAY 76 (Continued) **U003789395**

Last Updated: 2021-07-22T02:04:28.000
Tank Capacityin Gallons: 10000
Tank Contents: Regular Unleaded
Type Of Tank: Single Wall

Waste and Materials:
Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0200525
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0200526
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0201741
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0081567
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0081568
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-20T00:00:00.000

POWAY 76 (Continued) **U003789395**

Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0081569
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0065036
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: VORTEX - GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0065037
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-20T00:00:00.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149106
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149107
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004

POWAY 76 (Continued) **U003789395**

Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149108
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127481
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: VORTEX - GASOLINE FILTERS
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127482
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T15:44:33.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192103
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192104
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

POWAY 76 (Continued) **U003789395**

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192105
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166228
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166229
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:21:07.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0230454
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0230455
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed

POWAY 76 (Continued) **U003789395**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0230456
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-26T04:16:32.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269457
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-05T01:34:47.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269458
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-05T01:34:47.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269459
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-05T01:34:47.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T001
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239617
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-12-05T01:34:47.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239618

POWAY 76 (Continued) **U003789395**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-12-05T01:34:47.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0304482
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-22T02:04:28.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0272177
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:04:28.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0272178
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-22T02:04:28.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0286416
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-02-18T01:48:13.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0255175
Trade Secret: N
Hazardous Material Type: Not reported

POWAY 76 (Continued) **U003789395**

Last Updated: 2021-02-18T01:48:13.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0255176
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-02-18T01:48:13.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Common Name: SUMP LIQUID
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0201739
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112921 T003
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0201740
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112921 T004
Case Number: 8006-61-9

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173848
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: GASOLINE FILTERS AND USED ABSORBENT
Case Number: Not reported

Record ID: DEH2005-HUPFP-206048
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0173849
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-20T17:21:07.000
Chemical Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS

POWAY 76 (Continued) **U003789395**

Common Name:	SUMP LIQUID
Case Number:	Not reported
Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	201977
Business Type:	6HK29
EPA Id Number:	CAL000008931
APN:	317-153-08-00
Last HMMD Inspection:	11/29/2004
Facility Telephone:	858-748-7603
Permit Status:	CHNG
Permit Expiration:	10/31/2006
Date Last Updated:	11/02/2012
Facility Owner:	CALIFORNIA'S FINEST OIL
Facility Mailing Address:	13012 POMERADO RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064
UST Owner:	GOLDSTAR INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112921 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00

POWAY 76 (Continued) **U003789395**

Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	DOUBLE WALL
Additional Id:	NT2022
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	2005-02-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	201977
Business Type:	6HK29
EPA Id Number:	CAL000008931
APN:	317-153-08-00
Last HMMD Inspection:	11/29/2004
Facility Telephone:	858-748-7603
Permit Status:	CHNG
Permit Expiration:	10/31/2006
Date Last Updated:	11/02/2012
Facility Owner:	CALIFORNIA'S FINEST OIL
Facility Mailing Address:	13012 POMERADO RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA

POWAY 76 (Continued) **U003789395**

Facility Mailing Zip:	92064
UST Owner:	GOLDSTAR INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112921 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201977
Tank Type:	SINGLE WALL
Additional Id:	RT0891
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14

POWAY 76 (Continued) **U003789395**

UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 112921 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 201977
Tank Type: DOUBLE WALL
Additional Id: NT2022
Capacity Gallons: 600
UST Contents: OTHER
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: 2005-02-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 92064
Permit Number: 112921
Business Type: 6HK29
EPA Id Number: CAL000190288
APN: 317-153-08-00
Last HMMD Inspection: 06/11/2003
Facility Telephone: 858-748-7603
Permit Status: CHNG
Permit Expiration: 04/30/2003
Date Last Updated: 11/02/2012
Facility Owner: TOSCO CORP #30752-254887
Facility Mailing Address: PO BOX 52085
Facility Mailing City: PHOENIX
Facility Mailing State: AZ
Facility Mailing Zip: 85072-2085
UST Owner: TOSCO CORP #30752
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112921
Tank Type: SINGLE WALL
Additional Id: RT0891 UNLEADED
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-07-01 00:00:00

POWAY 76 (Continued) **U003789395**

Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112921 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112921
Tank Type: SINGLE WALL WITH EXTERIOR MEMB
Additional Id: 4887-44
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-02-19 00:00:00
Year Installed: 1983-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 22
UST Monitor Method: SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

UST Name: UNDERGROUND TANK 112921 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112921
Tank Type: SINGLE WALL
Additional Id: RT0891 UNLEADED
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-07-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112921 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 112921
Tank Type: SINGLE WALL
Additional Id: RT0891 UNLEADED
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-07-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

POWAY 76 (Continued) **U003789395**

UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112921
Tank Type:	DOUBLE WALL
Additional Id:	NT2022
Capacity Gallons:	600
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	2005-02-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	206048
Business Type:	6HK28
EPA Id Number:	CAL000490488
APN:	317-153-08-00
Last HMMD Inspection:	12/27/2011
Facility Telephone:	858-679-4400
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	POWAY 76
Facility Mailing Address:	P.O BOX 21435
Facility Mailing City:	EL CAJON
Facility Mailing State:	CA
Facility Mailing Zip:	92021
UST Owner:	GOLD STAR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 112921 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112921 T001

POWAY 76 (Continued) **U003789395**

Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112921 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	SUMP LIQUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX - GASOLINE FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012

POWAY 76 (Continued) **U003789395**

Inspection Date:	11/17/2005
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3104

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Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging

POWAY 76 (Continued) **U003789395**

test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/18/2008
Violation Code: 6HV3410
Violation: ALARM NOT FUNCTIONAL/NO DISP FLOW STOP
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Continuous audible and visual alarm not functioning or does not stop flow at dispenser. 2636(f)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/27/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/22/2006
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/22/2006
Violation Code: 6HV3251
Violation: MONITOR IN ALARM AT START OF INSPECTION
Violation Citation: Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/22/2006
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 11/22/2006
Violation Code: 6HV0149
Violation: NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation: Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011

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Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 01/05/2011
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 01/05/2011
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 01/05/2011
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 12/27/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 12/27/2011
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 112921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 206048
Tank Type: SINGLE WALL
Additional Id: RT0891; RT 4591,RT4774
Capacity Gallons: 10000

POWAY 76 (Continued) **U003789395**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891; RT 4591,RT4774
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891 RT4591,RT4774
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	DOUBLE WALL
Additional Id:	NT2022/AT5436
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2009-11-06 00:00:00
Year Installed:	2005-02-01 00:00:00
Pipe Type:	OTHER

POWAY 76 (Continued) **U003789395**

Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	206048
Business Type:	6HK28
EPA Id Number:	CAL000490488
APN:	317-153-08-00
Last HMMD Inspection:	12/27/2011
Facility Telephone:	858-679-4400
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	POWAY 76
Facility Mailing Address:	P.O BOX 21435
Facility Mailing City:	EL CAJON
Facility Mailing State:	CA
Facility Mailing Zip:	92021
UST Owner:	GOLD STAR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 112921 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112921 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112921 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	SUMP LIQUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	206048
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX - GASOLINE FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/15/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE

Permit Number:	206048
Update Date:	11/02/2012

POWAY 76 (Continued) **U003789395**

Inspection Date:	11/17/2005
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not

POWAY 76 (Continued) **U003789395**

	available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/17/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637

POWAY 76 (Continued) **U003789395**

Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/18/2008
Violation Code:	6HV3410
Violation:	ALARM NOT FUNCTIONAL/NO DISP FLOW STOP
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Continuous audible and visual alarm not functioning or does not stop flow at dispenser. 2636(f)(1)
Activity:	ACTIVE

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/27/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012

POWAY 76 (Continued) **U003789395**

Inspection Date:	11/22/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	11/22/2006
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	206048
Update Date:	11/02/2012
Inspection Date:	01/05/2011
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)

POWAY 76 (Continued) **U003789395**

Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 01/05/2011
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 01/05/2011
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 12/27/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Permit Number: 206048
Update Date: 11/02/2012
Inspection Date: 12/27/2011
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 112921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 206048
Tank Type: SINGLE WALL
Additional Id: RT0891; RT 4591,RT4774
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-07-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 112921 T003
Last Update: 2012-11-02 14:17:38

POWAY 76 (Continued) **U003789395**

Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891; RT 4591,RT4774
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	SINGLE WALL
Additional Id:	RT0891 RT4591,RT4774
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-07-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112921 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	206048
Tank Type:	DOUBLE WALL
Additional Id:	NT2022/AT5436
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2009-11-06 00:00:00
Year Installed:	2005-02-01 00:00:00
Pipe Type:	OTHER
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

I88
WNW
1/4-1/2
0.316 mi.
1667 ft.

Relative:
Higher

Actual:
453 ft.

POWAY 76
13012 POMERADO RD
POWAY, CA 92064

Site 10 of 10 in cluster I

CERS HAZ WASTE
CERS TANKS
Cortese
HAZNET
CERS
HWTS

S112979753
N/A

CERS HAZ WASTE:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Underground Storage Tank

CORTESE:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302452
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	POWAY 76
Address:	13012 POMERADO RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064
Contact:	CHRIS ATTISHA
Telephone:	8587480398
Mailing Name:	Not reported
Mailing Address:	13012 POMERADO RD

POWAY 76 (Continued) **S112979753**

Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.033
Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.6255
Year:	2009
Gepaid:	CAC002645244
TSD EPA ID:	CAD981696420
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.008

Additional Info:

Year:	2009
Gen EPA ID:	CAC002645244
Shipment Date:	20091106
Creation Date:	2/3/2010 18:30:08
Receipt Date:	20091113
Manifest ID:	002128078FLE
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090820

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Manifest ID:	006022050JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS - WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/23/2009 18:30:08
Receipt Date:	20090819
Manifest ID:	006019061JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	10/23/2009 18:30:08
Receipt Date:	20090819
Manifest ID:	006019061JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES

POWAY 76 (Continued) **S112979753**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	10374598
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-02-2020
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description:	"Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes:	Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of

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the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-02-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 12/22/2021. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-05-2018
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months

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thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-13-2016
Citation: 23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description: Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes: Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-17-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day

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	inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-19-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the

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business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 01/22/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5550980
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5186449
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Tank HT202 Inspection ID:4976638
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190

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Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

POWAY 76 (Continued) **S112979753**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6828237
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6561190
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	Yes

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Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	58305
Facility Name:	Poway 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported

POWAY 76 (Continued) **S112979753**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.952120
Longitude: -117.062840

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Raad ATTISHA
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 679-4400,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 679-4400,

Affiliation Type Desc: UST Tank Owner
Entity Name: APC Oil Inc.

POWAY 76 (Continued) **S112979753**

Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sam Stevenson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

POWAY 76 (Continued) **S112979753**

Affiliation Type Desc: Legal Owner
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 679-4400,

Affiliation Type Desc: UST Permit Applicant
Entity Name: RAAD ATTISHA
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 748-7603,

Affiliation Type Desc: UST Tank Operator
Entity Name: APC Oil Inc.
Entity Title: Not reported
Affiliation Address: 13012 Pomerado Rd.
Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-7603,

Name: POWAY 76
Address: 13012 POMERADO RD
City,State,Zip: POWAY, CA 920644209
Site ID: 58305
CERS ID: T0608159026
CERS Description: Cleanup Program Site

Violations:
Site ID: 58305
Site Name: Poway 76
Violation Date: 12-02-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-17-2019
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)

POWAY 76 (Continued) **S112979753**

Violation Description:	"Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes:	Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-02-2020
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 12/22/2021. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

POWAY 76 (Continued) **S112979753**

Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-05-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-13-2016
Citation:	23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description:	Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes:	Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-17-2019

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Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser

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containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 12/04/2013.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 58305
Site Name: Poway 76
Violation Date: 12-19-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 01/22/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6038177
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5550980
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5186449
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

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Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Tank HT202 Inspection ID:4976638
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6561190
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:4787426
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831651
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6388992
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2018
Violations Found: No

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Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6828237
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6561190
Eval Division:	San Diego County Department of Env Health

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Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

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Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	58305
Facility Name:	Poway 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.952120
Longitude:	-117.062840

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Raad ATTISHA
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 679-4400,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA

POWAY 76 (Continued) **S112979753**

Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sam Stevenson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APC Oil Inc.
Entity Title:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	RAAD ATTISHA
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,

Name:	POWAY 76
Address:	13012 POMERADO RD
City,State,Zip:	POWAY, CA 920644209
Site ID:	58305
CERS ID:	T0607302452
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID:	58305
Site Name:	Poway 76

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Violation Date:	12-02-2020
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 12/03/2020. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:Failure to retain a paper or electronic copy of the permit to operate at the facility. 23 CCR 2712(i)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description:	"Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes:	Returned to compliance on 03/24/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 9d) Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation, and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months. 23 CCR 2637(a)(c)(d), 2637(b-d), 2712(b)(1)(F)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-02-2020
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.

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	Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 12/22/2021. Inspection Sequence ID:6561190;Tank ID:22206,22208,22209;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-05-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Inspection Sequence ID:6038177;Tank ID:22206;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-13-2016
Citation:	23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23,

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	Chapter 16, Section(s) 2643(b)(1)
Violation Description:	Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes:	Returned to compliance on 01/12/2017. Inspection Sequence ID:5550980;Tank ID:22206,22208,22209;Violation Description:(RD) Option 1: Failure to conduct the monthly 0.2 gallon per hour automatic tank gauging test on a single wall tank and/or failure of the automatic tank gauge to generate and print a hard copy of the monthly 0.2 gallons per hour test. 23 CCR 2643(b)(1)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-17-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/26/2020. Inspection Sequence ID:6388992;Tank ID:22206,22208,22209;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (D
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013

POWAY 76 (Continued) **S112979753**

Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-04-2013
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 12/04/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	58305
Site Name:	Poway 76
Violation Date:	12-19-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 01/22/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6561190
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

POWAY 76 (Continued) **S112979753**

Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6561190
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency

POWAY 76 (Continued) **S112979753**

Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5186449
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST

POWAY 76 (Continued) **S112979753**

Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6828237
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6561190
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:4787426
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6038177
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831651
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

POWAY 76 (Continued) **S112979753**

Eval Date:	12-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5550980
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:6388992
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Tank HT202 Inspection ID:4976638
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	58305
Facility Name:	Poway 76
Env Int Type Code:	HWG
Program ID:	10374598
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.952120
Longitude:	-117.062840

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Raad ATTISHA
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 679-4400,

POWAY 76 (Continued) **S112979753**

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,

Affiliation Type Desc:	Document Preparer
Entity Name:	Sam Stevenson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported

POWAY 76 (Continued) **S112979753**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ATTISHA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.
Affiliation City:	Poway
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 679-4400,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	RAAD ATTISHA
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-7603,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	APC Oil Inc.
Entity Title:	Not reported
Affiliation Address:	13012 Pomerado Rd.

POWAY 76 (Continued) **S112979753**

Affiliation City: Poway
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92064
Affiliation Phone: (858) 748-7603,

HWTS:
Name: POWAY 76
Address: 13012 POMERADO RD
Address 2: Not reported
City,State,Zip: POWAY, CA 92064
EPA ID: CAC002645244
Inactive Date: 02/07/2010
Create Date: 08/10/2009
Last Act Date: 03/02/2010
Mailing Name: Not reported
Mailing Address: 13012 POMERADO RD
Mailing Address 2: Not reported
Mailing City,State,Zip: POWAY, CA 92064
Owner Name: POWAY 76 / CHRIS ATTISHA
Owner Address: 13012 POMERADO RD
Owner Address 2: Not reported
Owner City,State,Zip: POWAY, CA 92064
Contact Name: CHRIS ATTISHA
Contact Address: 13012 POMERADO RD
Contact Address 2: Not reported
City,State,Zip: POWAY, CA 92064

K89 **317-490-48** **US BROWNFIELDS 1016347236**
NNE **12711 POWAY ROAD** **FINDS N/A**
1/4-1/2 **POWAY, CA 92064**
0.318 mi.
1680 ft. **Site 2 of 2 in cluster K**

Relative: Higher
Actual: 483 ft.

US BROWNFIELDS:
Name: 317-490-48
Address: 12711 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-48
Parcel size: 0.4
Latitude: 32.955229
Longitude: -117.055668
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: Aiberto s Taco Shop - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Datum: -
Acres Property ID: 39801
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -

317-490-48 (Continued) **1016347236**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Greg R. Velasquez, Que Pasa Family Trust 08-12-99
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-

317-490-48 (Continued) **1016347236**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Aiberto s Taco Shop - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be fast-food restaurant.
Below Poverty Number:	261
Below Poverty Percent:	4.38
Meidan Income:	9043
Meidan Income Number:	1171

317-490-48 (Continued) **1016347236**

Meidan Income Percent:	19.66
Vacant Housing Number:	154
Vacant Housing Percent:	7.1
Unemployed Number:	283
Unemployed Percent:	4.75

FINDS:
Registry ID: 110038719303

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L90 **POWAY ROAD STATION** **CPS-SLIC** **U001572096**
West **12341 OAK KNOLL RD** **HIST UST** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS**
0.321 mi.
1693 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
445 ft.

CPS-SLIC:

Name:	12341 OAK KNOLL
Address:	12341 OAK KNOLL ROAD
City,State,Zip:	POWAY, CA 92064
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/09/2020
Global Id:	T10000007778
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	DEH2015-LSAM-000334
Latitude:	32.94946
Longitude:	-117.06327
Case Type:	Cleanup Program Site
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	This Voluntary Assistance Program (VAP) case was opened to evaluate a former gas station property for the construction of slab-on-grade, two-story affordable housing for adults comprising 54 apartments units with at-grade parking. This Site is a 3.18-acre parcel of land and was most recently developed with an office building and sheds on the western portion of the property. In addition, the eastern portion of the Site was an asphalt-paved parking lot with two concrete building foundations. The southwestern portion of the Site is transected by Poway Creek. From 1942 to 1998, the San Diego County Department of Public Works Road Station occupied the Site. In 1994, three underground storage tanks (USTs) were removed, resulting in the opening of Local Oversight Program (LOP) Case H20708-002, which was closed in July 2004. Due to the potential of vapor intrusion from the former LOP Case the consultant, SCS Engineers (SCS), conducted a soil vapor survey on October 29, 2015. Results for Volatile Organic

POWAY ROAD STATION (Continued) **U001572096**

Compounds (VOCs) were non detect (ND), with the exception of benzene with soil gas concentrations of up to 0.14 ug/l. Based on this, benzene was calculated to have an excess carcinogenic risk of 1.55 x 10-8, which is less than the acceptable 1.0 x 10-6 excess carcinogenic risk. Therefore, SCS indicated that there was no risk from vapor intrusion On March 15, 2019, SCS submitted a Soil Management Plan (SMP) and a Community Health and Safety Plan (CHSP) for the excavation and export of soil with elevated concentrations of lead and petroleum hydrocarbons encountered during grading activities. The SMP and CHSP were approved on March 28, 2019. Excavating and grading occurred from May 13 through May 17, 2019, with approximately 305 tons of petroleum-impacted soil and 88.5 tons of lead-impacted soil exported offsite and disposed at an appropriate facility. Trace amounts of organochlorine pesticides (i.e. DDD, Chlordane, etc.) were also removed. SCS States that the removal of petroleum hydrocarbon and lead-bearing soil with residual concentrations below Mitigation Criteria is judged to be protective of water resources at the Site, and protective of human health and the environment, considering the proposed use of the Site as a multi-family residential development. DEH concurs.

Click here to access the California GeoTracker records for this facility:

HIST UST:

Name:	POWAY ROAD STATION
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 92064
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000044197
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DON UBBEN
Telephone:	6195655251
Owner Name:	COUNTY OF SAN DIEGO - DEPARTME
Owner Address:	5555 OVERLAND AVE. BLDG 6 RM 1
Owner City,St,Zip:	SAN DIEGO, CA 92123
Total Tanks:	0002
Tank Num:	001
Container Num:	PW051
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	PW052
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

POWAY ROAD STATION (Continued) **U001572096**

CERS:
- Name: 12341 OAK KNOLL
- Address: 12341 OAK KNOLL ROAD
- City,State,Zip: POWAY, CA 92064
- Site ID: 359230
- CERS ID: T10000007778
- CERS Description: Cleanup Program Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
- Entity Title: Not reported
- Affiliation Address: P.O. Box 129261
- Affiliation City: San Diego
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

L91 **COUNTY OF SD/POWAY RD STN** **LUST** **S101337847**
West **12341 OAK KNOLL RD** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **POWAY, CA 92064** **CPS-SLIC**
0.321 mi. **San Diego Co. HMMD**
1693 ft. **Site 2 of 2 in cluster L** **SWEEPS UST**
Cortese
Relative: Lower **HAZNET**
HIST CORTESE
Actual: 445 ft. **SAN DIEGO CO LOP**
CERS

LUST:
- Name: COUNTY OF SD/POWAY RD STN
- Address: 12341 OAK KNOLL RD
- City,State,Zip: POWAY, CA 920645319
- Lead Agency: SAN DIEGO COUNTY LOP
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301557
- Global Id: T0607301557
- Latitude: 32.9499028
- Longitude: -117.0636431
- Status: Completed - Case Closed
- Status Date: 07/15/2004
- Case Worker: JS
- RB Case Number: 9UT2799
- Local Agency: SAN DIEGO COUNTY LOP
- File Location: Local Agency
- Local Case Number: H20708-002
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: Gasoline
- Site History: Not reported

LUST:
- Global Id: T0607301557
- Contact Type: Local Agency Caseworker
- Contact Name: JON SENAHA
- Organization Name: SAN DIEGO COUNTY LOP
- Address: P.O. Box 129261

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

City: San Diego
Email: jon.senaha@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607301557
Action Type: ENFORCEMENT
Date: 07/15/2004
Action: Closure/No Further Action Letter

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Discovery

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Reported

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Began

Global Id: T0607301557
Action Type: Other
Date: 06/01/1994
Action: Leak Stopped

LUST:
Global Id: T0607301557
Status: Open - Case Begin Date
Status Date: 06/01/1994

Global Id: T0607301557
Status: Completed - Case Closed
Status Date: 07/15/2004

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2799
Local Case: H20708-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 06/01/1994

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Date Stopped: 06/01/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 07/19/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/01/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.20
GW Depth: >15
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Case Number: H20708-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 11/27/1989
Date Began: 5/18/1989

Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Case Number: H20708-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/15/2004
Date Began: 6/1/1994

CPS-SLIC:
Name: COUNTY OF SD/POWAY RD STN
Address: 12341 OAK KNOLL RD
City,State,Zip: POWAY, CA 920645319
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/27/1989
Global Id: T0608118612
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20708-001

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Latitude:	32.949531
Longitude:	-117.063278
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	120708
Business Type:	Not reported
EPA Id Number:	CAL000022813
APN:	317-152-14-00
Last HMMD Inspection:	06/23/2000
Facility Telephone:	858-694-3190
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	COUNTY OF SAN DIEGO
Facility Mailing Address:	5555 OVERLAND AV
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92123-
UST Owner:	COUNTY OF SAN DIEGO/PUBLIC WKS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120708 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	PW051
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

UST Name:	UNDERGROUND TANK 120708 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	PW052
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 120708 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120708
Tank Type:	SINGLE WALL
Additional Id:	00003
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City:	POWAY
Status:	Active
Comp Number:	20708
Number:	9
Board Of Equalization:	44-022036
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020708-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	COUNTY OF SD/POWAY RD STN

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Address:	12341 OAK KNOLL RD
City:	POWAY
Status:	Active
Comp Number:	20708
Number:	9
Board Of Equalization:	44-022036
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020708-000002
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

CORTESE:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 920645319
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301557
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	VILLA DE VIDA POWAY L.P.
Address:	12341 OAK KNOLL ROAD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 90015
Contact:	MARTEEN GARAY
Telephone:	2138630252
Mailing Name:	Not reported
Mailing Address:	1500 SOUTH GRAND AVENUE

Year: 2019

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Gepaid:	CAC003013897
TSD EPA ID:	AZR000002428
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	70.93280

HIST CORTESE:

edr_fname:	COUNTY OF SD/POWAY RD STN
edr_fadd1:	12341 OAK KNOLL
City,State,Zip:	POWAY, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2799

SAN DIEGO CO LOP:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1989-LSAM-H20708-001
Record Status:	Completed
Opened Date:	10/09/1989
Parcel Number:	317-152-14-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	COUNTY OF SD-POWAY ROAD STA
SWRCB Global ID:	T0608118612
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	10/09/1989
Census Tract:	170.42
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9494637
Longitude:	-117.0632774
X MapCoord:	6312178.687
Y MapCoord:	1926236.974

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1994-LSAM-H20708-002
Record Status:	Completed
Opened Date:	06/01/1994
Parcel Number:	317-152-14-00
Case Type:	LOP - Local Oversight Program
Historical Name:	COUNTY OF SD-POWAY R0AD STA
SWRCB Global ID:	T0607301557
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/01/1994
Census Tract:	170.42

COUNTY OF SD/POWAY RD STN (Continued) **S101337847**

Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9494637
Longitude:	-117.0632774
X MapCoord:	6312178.687
Y MapCoord:	1926236.974

CERS:

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 920645319
Site ID:	211576
CERS ID:	T0608118612
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	COUNTY OF SD/POWAY RD STN
Address:	12341 OAK KNOLL RD
City,State,Zip:	POWAY, CA 920645319
Site ID:	211576
CERS ID:	T0607301557
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

M92 **317-490-49** **US BROWNFIELDS** **1016347237**
NNE **12719 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.339 mi.
1792 ft. **Site 1 of 3 in cluster M**

Relative: **Higher**

Actual: **484 ft.**

US BROWNFIELDS:

Name:	317-490-49
Address:	12719 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-49
Parcel size:	0.38
Latitude:	32.955481
Longitude:	-117.055314
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Domenic s Italian Ristorante; - Facility observed to consist of one building, and parking areas. Facility observed to be restaurant.
Datum:	-
Acres Property ID:	39802
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Giuseppa Mogavero 1990 Family Trust
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-490-49 (Continued) **1016347237**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-490-49 (Continued) **1016347237**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Domenic s Italian Ristorante; - Facility observed to consist of one building, and parking areas. Facility observed to be restaurant.
Below Poverty Number:	261
Below Poverty Percent:	4.35
Meidan Income:	9043
Meidan Income Number:	1179
Meidan Income Percent:	19.65
Vacant Housing Number:	154
Vacant Housing Percent:	7.04
Unemployed Number:	286
Unemployed Percent:	4.77

FINDS:
Registry ID: 110038719312

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N93 **317-153-22** **US BROWNFIELDS** **1016346569**
WNW **12380 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.341 mi.
1800 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **447 ft.**

US BROWNFIELDS:

Name:	317-153-22
Address:	12380 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-153-22
Parcel size:	0.52
Latitude:	32.951951

317-153-22 (Continued) **1016346569**

Longitude:	-117.063719
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Washington Mutual - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Datum:	-
Acres Property ID:	39768
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Home Savings of America
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-

317-153-22 (Continued) **1016346569**

No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-

317-153-22 (Continued) **1016346569**

Media affected Bluiding Material: -
Media affected indoor air: -
Building material media cleaned up: -
Indoor air media cleaned up: -
Unknown media cleaned up: -
Past Use: Multistory -
Property Description: Washington Mutual - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Below Poverty Number: 143
Below Poverty Percent: 4.3
Meidan Income: 2455
Meidan Income Number: 793
Meidan Income Percent: 23.82
Vacant Housing Number: 84
Vacant Housing Percent: 6.72
Unemployed Number: 175
Unemployed Percent: 5.26

FINDS:
Registry ID: 110038709948

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M94 **317-490-08** **US BROWNFIELDS** **1016347232**
NNE **12735 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.345 mi.
1822 ft. **Site 2 of 3 in cluster M**

Relative:
Higher

Actual:
485 ft.

US BROWNFIELDS:
Name: 317-490-08
Address: 12735 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-490-08
Parcel size: 0.61
Latitude: 32.955745
Longitude: -117.054812
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: Game Time Tavern - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be restaurant and sports bar.
Datum: -
Acres Property ID: 39795
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -

317-490-08 (Continued) **1016347232**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Kaminski Family Trust 01-23-91
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-

317-490-08 (Continued) **1016347232**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Game Time Tavern - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be restaurant and sports bar.
Below Poverty Number:	261
Below Poverty Percent:	4.28
Meidan Income:	9043
Meidan Income Number:	1194

317-490-08 (Continued) **1016347232**

Meidan Income Percent: 19.6
Vacant Housing Number: 154
Vacant Housing Percent: 6.91
Unemployed Number: 292
Unemployed Percent: 4.79

FINDS:
Registry ID: 110038719241

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N95 **317-151-44** **US BROWNFIELDS** **1016346565**
WNW **12339 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.352 mi.
1861 ft. **Site 2 of 2 in cluster N**

Relative:
Lower

Actual:
446 ft.

US BROWNFIELDS:
Name: 317-151-44
Address: 12339 POWAY ROAD
City,State,Zip: POWAY, CA 92064
Recipient Name: Poway Redevelopment Agency
Grant Type: Assessment
Property Number: 317-151-44
Parcel size: 1.92
Latitude: 32.950998
Longitude: -117.063689
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: Part of Poway Promenade - Facility observed to consist of one building, and parking areas. Facility observed to consist of retail business within shopping center. Monitoring wells observed.
Datum: -
Acres Property ID: 39762
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 992
Assessment Funding Source: EPA
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: -
Grant Type: -

317-151-44 (Continued) **1016346565**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	12339 Corporation
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-

317-151-44 (Continued) **1016346565**

Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Part of Poway Promenade - Facility observed to consist of one building, and parking areas. Facility observed to consist of retail business within shopping center. Monitoring wells observed.
Below Poverty Number:	144
Below Poverty Percent:	4.21
Meidan Income:	2735
Meidan Income Number:	786
Meidan Income Percent:	22.99
Vacant Housing Number:	82
Vacant Housing Percent:	6.42
Unemployed Number:	175
Unemployed Percent:	5.12

FINDS:
Registry ID: 110038709886

Click Here:

Environmental Interest/Information System:

317-151-44 (Continued) **1016346565**

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M96 **317-490-65** **US BROWNFIELDS** **1016347243**
NNE **12724 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.361 mi.
1908 ft. **Site 3 of 3 in cluster M**

Relative:
Higher

Actual:
482 ft.

US BROWNFIELDS:

Name:	317-490-65
Address:	12724 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-65
Parcel size:	0.93
Latitude:	32.95549
Longitude:	-117.055787
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Bank of America - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Datum:	-
Acres Property ID:	39809
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Bank of America National Trust and Savings
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N

317-490-65 (Continued) **1016347243**

IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-

317-490-65 (Continued) **1016347243**

mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Bank of America - Facility observed to consist of one building, and parking and landscaped areas. Facility observed to be bank.
Below Poverty Number:	261
Below Poverty Percent:	4.28
Meidan Income:	9043
Meidan Income Number:	1194
Meidan Income Percent:	19.6
Vacant Housing Number:	154
Vacant Housing Percent:	6.91
Unemployed Number:	292
Unemployed Percent:	4.79

FINDS:
Registry ID: 110038719385

Click Here:

Environmental Interest/Information System:
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O97 **317-490-42** **US BROWNFIELDS** **1016347234**
NNE **12759 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.391 mi.
2063 ft. **Site 1 of 7 in cluster O**

Relative:
Higher

Actual:
491 ft.

US BROWNFIELDS:

Name:	317-490-42
Address:	12759 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-42
Parcel size:	0.75
Latitude:	32.955712
Longitude:	-117.053986
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Oak Knoll Square - Facility observed to consist of one building and parking areas. Facility observed to be small shopping center.
Datum:	-
Acres Property ID:	39799
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Paula Mogavero 01-25-89
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-490-42 (Continued) **1016347234**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-490-42 (Continued) **1016347234**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Oak Knoll Square - Facility observed to consist of one building and parking areas. Facility observed to be small shopping center.
Below Poverty Number:	259
Below Poverty Percent:	4.29
Meidan Income:	9649
Meidan Income Number:	1173
Meidan Income Percent:	19.43
Vacant Housing Number:	148
Vacant Housing Percent:	6.73
Unemployed Number:	292
Unemployed Percent:	4.84

FINDS:
Registry ID: 110038719287

Click Here:

Environmental Interest/Information System:
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O98 **OAK KNOLL SQUARE** **SAN DIEGO CO. SAM** **S108540436**
NNE **12759 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.391 mi.
2063 ft. **Site 2 of 7 in cluster O**

Relative:
Higher

Actual:
491 ft.

SAN DIEGO CO. SAM:

Name:	OAK KNOLL SQUARE
Address:	12759 POWAY RD
City,State,Zip:	POWAY, CA 92064
Case Number:	H39706-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case

OAK KNOLL SQUARE (Continued) **S108540436**

Date: 5/17/2007
Date Began: 5/1/2007

O99 **317-490-04, -06, -07** **US BROWNFIELDS** **1014933038**
NNE **13206 CARRIAGE ROAD; 12751 POWAY ROAD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.391 mi.
2066 ft. **Site 3 of 7 in cluster O**

Relative:
Higher

Actual:
488 ft.

US BROWNFIELDS:

Name:	317-490-04, -06, -07
Address:	13206 CARRIAGE ROAD; 12751 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-04, -06, -07
Parcel size:	0.79
Latitude:	32.955216
Longitude:	-117.054049
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Office and retail center - Facility observed to consist of one building, and parking areas. Facility observed to be office and commercial space.
Datum:	-
Acres Property ID:	39794
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Byron B. Webb, Inc.
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

317-490-04, -06, -07 (Continued) **1014933038**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

317-490-04, -06, -07 (Continued) **1014933038**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Office and retail center - Facility observed to consist of one building, and parking areas. Facility observed to be office and commercial space.
Below Poverty Number:	270
Below Poverty Percent:	4.34
Meidan Income:	9043
Meidan Income Number:	1213
Meidan Income Percent:	19.5
Vacant Housing Number:	155
Vacant Housing Percent:	6.85
Unemployed Number:	299
Unemployed Percent:	4.81

O100 **317-490-66, -73** **RCRA-SQG** **1000388633**
NNE **12740 POWAY ROAD** **LUST** **CAD981997323**
1/4-1/2 **POWAY, CA 92064** **SAN DIEGO CO. SAM**
0.402 mi. **AST**
2120 ft. **Site 4 of 7 in cluster O** **US BROWNFIELDS**
San Diego Co. HMMD
Relative: Higher **CERS HAZ WASTE**
SWEEPS UST
Actual: 489 ft. **CERS TANKS**
FINDS
ECHO
HIST CORTESE
SAN DIEGO CO LOP
CIWQS
CERS

RCRA-SQG:

Date Form Received by Agency:		19960923
Handler Name:	PERRY FORD OF POWAY	
Handler Address:		12740 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD981997323

317-490-66, -73 (Continued) **1000388633**

Contact Name:	DOUG EPLEY
Contact Address:	12740 POWAY RD
Contact City,State,Zip:	POWAY, CA 92064
Contact Telephone:	619-748-1400
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	12740 POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	PERRY FALK
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

317-490-66, -73 (Continued) **1000388633**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PERRY FALK
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12740 POWAY RD
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-748-1400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960923
Handler Name: PERRY FORD OF POWAY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

317-490-66, -73 (Continued) **1000388633**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302868
Global Id: T0607302868
Latitude: 32.9561599
Longitude: -117.055382
Status: Completed - Case Closed
Status Date: 12/22/2003
Case Worker: Not reported
RB Case Number: 9UT58
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H13170-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 12/22/2003
Action: Closure/No Further Action Letter

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Discovery

Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 01/15/1987
Action: * Corrective Action Orders

Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 09/11/1992
Action: Notice of Responsibility

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Global Id: T0607302868
Action Type: ENFORCEMENT
Date: 10/22/1986
Action: Notice of Responsibility

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Reported

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Began

Global Id: T0607302868
Action Type: Other
Date: 10/22/1986
Action: Leak Stopped

LUST:
Global Id: T0607302868
Status: Open - Case Begin Date
Status Date: 10/22/1986

Global Id: T0607302868
Status: Completed - Case Closed
Status Date: 12/22/2003

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT58
Local Case: H13170-001
Substance: Gasoline
Qty Leaked: 1
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 10/22/1986
Date Stopped: 10/22/1986
Confirm Date: 10/22/1986
Submit Workplan: Not reported
Prelim Assess: 11/20/1986
Desc Pollution: Not reported
Remed Plan: 10/19/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/22/1986
Enforce Date: 10/22/86

317-490-66, -73 (Continued) **1000388633**

Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 906.20
GW Depth: ~13
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Case Number: H13170-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/22/2003
Date Began: 10/22/1986

AST:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City/Zip: POWAY,92064
Certified Unified Program Agencies: Not reported
Owner: Perry Ford of Poway
Total Gallons: Not reported
CERSID: 10374241
Facility ID: 37-000-113170
Business Name: PERRY FORD OF POWAY
Phone: 858-748-1400
Fax: 858-679-4519
Mailing Address: 12740 POWAY RD
Mailing Address City: POWAY
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: Perry Ford of Poway
Operator Phone: 858-748-1400
Owner Phone: 858-748-1400
Owner Mail Address: 12740 POWAY RD
Owner State: CA
Owner Zip Code: 92064
Owner Country: United States
Property Owner Name: FALK TRUST 07-14-98
Property Owner Phone: 858-748-1400
Property Owner Mailing Address: 12740 POWAY RD
Property Owner City: POWAY
Property Owner Stat : CA
Property Owner Zip Code: 92064
Property Owner Country: United States
EPAID: CAD981997323

317-490-66, -73 (Continued) **1000388633**

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City/Zip:	POWAY,
Certified Unified Program Agencies:	San Diego
Owner:	PERRY FORD OF POWAY
Total Gallons:	2050
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

US BROWNFIELDS:

Name:	317-490-66, -73
Address:	12740 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-66, -73
Parcel size:	3.35
Latitude:	32.955951
Longitude:	-117.054935
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Perry Ford - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be automotive dealership with service bays. Possible inground hydraulic lifts, apparent clarifier, and approximately a dozen 55-gallon drums observed. Also one apparent destroyed well at facility and three apparently destroyed wells in Silver Lake Drive.
Datum:	-
Acres Property ID:	39810
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-

317-490-66, -73 (Continued) **1000388633**

Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Falk Trust 07-14-98
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-

317-490-66, -73 (Continued) **1000388633**

Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Perry Ford - Facility observed to consist of two buildings, and parking and landscaped areas. Facility observed to be automotive dealership with service bays. Possible inground hydraulic lifts, apparent clarifier, and approximately a dozen 55-gallon drums observed. Also one apparent destroyed well at facility and three apparently destroyed wells in Silver Lake Drive.
Below Poverty Number:	229
Below Poverty Percent:	4.15

317-490-66, -73 (Continued) **1000388633**

Meidan Income:	8060
Meidan Income Number:	957
Meidan Income Percent:	17.32
Vacant Housing Number:	126
Vacant Housing Percent:	6.42
Unemployed Number:	255
Unemployed Percent:	4.62

HMMD SAN DIEGO:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD981997323
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	858-748-1400
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	07/02/2021
Facility Owner:	Not reported
Facility Mailing Address:	12740 POWAY RD, POWAY, CA 92064
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-02T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	3110013 Failed to obtain and maintain a written assessment certified by an independent, qualified, registered professional engineer for the hazardous waste tank system. 22 CCR 66265.192(a), 66265.192(h)(1), or 66265.191(a)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y

317-490-66, -73 (Continued) **1000388633**

Facility Id Number:	37-000-113170
Program Element:	Aboveground Petroleum Storage Act
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-02T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	4010021 Failed to have record of inspections and integrity tests signed by the appropriate supervisor or inspector, keep written procedures and records of inspections and integrity tests for at least three years, and/or keep comparison records. (40 CFR 112.7(e), 112.8(c)(6).) HSC 25270.4.5(a)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-14T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-02T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	1010006 Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6191730
Return To Compliance Date:	2019-08-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-02T00:00:00.000
Inspection Date:	2019-07-10T00:00:00.000
Violation Code:	3130003 Failed to properly label/date hazardous waste container or portable tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)

UST DTL:

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y

317-490-66, -73 (Continued) **1000388633**

Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22648
Tank Status:	Removed
Date Ust Permanently Closed:	07/13/1993
Tank Use:	02
Piping System Type:	02
Last Updated:	2021-07-02T02:37:41.000
Tank Capacityin Gallons:	550
Tank Contents:	Not reported
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22649
Tank Status:	Removed
Date Ust Permanently Closed:	07/13/1993
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2021-07-02T02:37:41.000
Tank Capacityin Gallons:	10
Tank Contents:	Not reported
Type Of Tank:	95

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22646
Tank Status:	Removed
Date Ust Permanently Closed:	07/17/1993
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2021-07-02T02:37:41.000
Tank Capacityin Gallons:	1000
Tank Contents:	Not reported
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-113170
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-113170
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Perry Ford of Poway
Tankid:	22644
Tank Status:	Removed
Date Ust Permanently Closed:	01/12/1987
Tank Use:	01
Piping System Type:	02
Last Updated:	2021-07-02T02:37:41.000

317-490-66, -73 (Continued) **1000388633**

Tank Capacityin Gallons: 550
Tank Contents: 1A
Type Of Tank: 01

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-113170
Facility Type (Ust Facility): Not reported
Tank Owner Name: Perry Ford of Poway
Tankid: 22645
Tank Status: Removed
Date Ust Permanently Closed: 01/12/1987
Tank Use: 01
Piping System Type: 02
Last Updated: 2021-07-02T02:37:41.000
Tank Capacityin Gallons: 550
Tank Contents: 02
Type Of Tank: 01

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-113170
Facility Type (Ust Facility): Not reported
Tank Owner Name: Perry Ford of Poway
Tankid: 22647
Tank Status: Removed
Date Ust Permanently Closed: 07/13/1993
Tank Use: 02
Piping System Type: 02
Last Updated: 2021-07-02T02:37:41.000
Tank Capacityin Gallons: 550
Tank Contents: Not reported
Type Of Tank: 01

Waste and Materials:
Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0137382
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0137383
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Ethylene Glycol
Common Name: Coolant

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Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115879
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115880
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115881
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115882
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115883
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

317-490-66, -73 (Continued) **1000388633**

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115884
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115885
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-30T02:38:05.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178418
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-25T01:45:49.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0178419
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-25T01:45:49.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152920
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed

317-490-66, -73 (Continued) **1000388633**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0152925
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152926
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152923
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152924

317-490-66, -73 (Continued) **1000388633**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-25T01:45:50.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0097932
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0097933
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079837
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079838
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079839
Trade Secret: N
Hazardous Material Type: Not reported

317-490-66, -73 (Continued) **1000388633**

Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079840
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079841
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0079842
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-06-01T02:37:06.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0228539
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0228540
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Ethylene Glycol

317-490-66, -73 (Continued) **1000388633**

Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198519
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198520
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198521
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198522
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198523
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

317-490-66, -73 (Continued) **1000388633**

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198524
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0198525
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-08T19:15:38.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Oily Solids/used oil filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0289728
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258696
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258697
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed

317-490-66, -73 (Continued) **1000388633**

Active Permit: Y
Child Record Id: DEH2021-HWAST-0258698
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258699
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258700
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258701
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0258702
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Oily Solids/used oil filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0289727

317-490-66, -73 (Continued) **1000388633**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-07-02T02:37:41.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254274
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0254275
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224003
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224004
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224005
Trade Secret: N
Hazardous Material Type: Not reported

317-490-66, -73 (Continued) **1000388633**

Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224006
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Hot Tank Waste
Common Name: Hot Tank Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224007
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224008
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-113170
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0224009
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-25T02:32:16.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Oily Solids/used oil filters
Case Number: Not reported

Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 113170
Business Type: 6HK31
EPA Id Number: CAD981997323
APN: 317-490-66-00

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Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4404
UST Owner:	BISZANTZ REALTY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE/COOLANT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7440371
Name:	ARGON/C02, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DEGREASING SOAP, ZEP FLASH
Other Information:	DEGREASING SOAP, ZEP FLASH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	8002-05-9

317-490-66, -73 (Continued) **1000388633**

Name: OIL: LUBRICATING, MOTOR OIL, ATF
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHERS-6 UNITS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL & ATF
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste

317-490-66, -73 (Continued) **1000388633**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 02/11/2003
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2);

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66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174

317-490-66, -73 (Continued) **1000388633**

Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE

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UST:

UST Name:	UNDERGROUND TANK 113170 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113170 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL

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Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113170
Business Type:	6HK31
EPA Id Number:	CAD981997323
APN:	317-490-66-00
Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN

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Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4404
UST Owner:	BISZANTZ REALTY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE/COOLANT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	7440371
Name:	ARGON/C02, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DEGREASING SOAP, ZEP FLASH
Other Information:	DEGREASING SOAP, ZEP FLASH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	113170
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL: LUBRICATING, MOTOR OIL, ATF
Other Information:	Not reported
Material Waste:	Material

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Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHERS-6 UNITS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL & ATF
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

317-490-66, -73 (Continued) **1000388633**

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 02/11/2003
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

317-490-66, -73 (Continued) **1000388633**

Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170

317-490-66, -73 (Continued) **1000388633**

Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170

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Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113170 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED

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Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113170
Business Type:	6HK31
EPA Id Number:	CAD981997323
APN:	317-490-66-00
Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD

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Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4404
UST Owner: BISZANTZ REALTY
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 113170
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE/COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7440371
Name: ARGON/C02, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: DEGREASING SOAP, ZEP FLASH
Other Information: DEGREASING SOAP, ZEP FLASH
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL: LUBRICATING, MOTOR OIL, ATF
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170

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Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHERS-6 UNITS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL & ATF
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE/COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	CONTAMINATED FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 491 UNSPECIFIED SLUDGE WASTE

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Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 02/11/2003
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402

317-490-66, -73 (Continued) **1000388633**

Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE

317-490-66, -73 (Continued) **1000388633**

Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 05/01/2006
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 113170 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED

317-490-66, -73 (Continued) **1000388633**

Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113170 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113170 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	3 WASTE OIL
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	4 MOTOR OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION

317-490-66, -73 (Continued) **1000388633**

Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	113170
Business Type:	6HK31
EPA Id Number:	CAD981997323
APN:	317-490-66-00
Last HMMD Inspection:	09/19/2012
Facility Telephone:	858-748-1400
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PERRY FORD OF POWAY
Facility Mailing Address:	12740 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4404
UST Owner:	BISZANTZ REALTY

317-490-66, -73 (Continued) **1000388633**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 113170
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE/COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7440371
Name: ARGON/C02, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: DEGREASING SOAP, ZEP FLASH
Other Information: DEGREASING SOAP, ZEP FLASH
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL: LUBRICATING, MOTOR OIL, ATF
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 113170
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported

317-490-66, -73 (Continued) **1000388633**

Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHERS-6 UNITS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL & ATF
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE/COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	CONTAMINATED FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	SPENT LEAD ACID BATTERIES, CAL STATE BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	113170
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information:	SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

317-490-66, -73 (Continued) **1000388633**

Permit Number: 113170
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: SPENT OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 02/11/2003
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 113170
Update Date: 11/02/2012
Inspection Date: 12/01/2008
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

317-490-66, -73 (Continued) **1000388633**

Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	12/01/2008
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	113170

317-490-66, -73 (Continued) **1000388633**

Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	05/01/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	113170
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 113170 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL

317-490-66, -73 (Continued) **1000388633**

Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 113170 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 3 WASTE OIL
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1993-07-17 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 113170 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 113170
Tank Type: SINGLE WALL
Additional Id: 4 MOTOR OIL
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1993-07-13 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 113170 T005

317-490-66, -73 (Continued) **1000388633**

Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	SINGLE WALL
Additional Id:	5 TRANSMISSION FLUID
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113170 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113170
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	10
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Site ID:	56343
CERS ID:	10374241
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	MEISTER FORD
Address:	12740 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	13170
Number:	Not reported
Board Of Equalization:	44-022722
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013170-000001
Tank Status:	Not reported

317-490-66, -73 (Continued) **1000388633**

Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Not reported
Comp Number: 13170
Number: Not reported
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000002
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000003
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 3

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88

317-490-66, -73 (Continued) **1000388633**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: MEISTER FORD
Address: 12740 POWAY RD
City: POWAY
Status: Active
Comp Number: 13170
Number: 9
Board Of Equalization: 44-022722
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013170-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

CERS TANKS:
Name: PERRY FORD OF POWAY
Address: 12740 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 56343
CERS ID: 10374241
CERS Description: Aboveground Petroleum Storage

FINDS:
Registry ID: 110002771199

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110038719973

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

317-490-66, -73 (Continued) **1000388633**

is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000388633
Registry ID:	110002771199
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002771199
Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064

HIST CORTESE:

edr_fname:	MEISTER FORD
edr_fadd1:	12740 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT58

SAN DIEGO CO LOP:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1986-LSAM-H13170-001
Record Status:	Completed
Opened Date:	10/22/1986
Parcel Number:	317-490-66-00
Case Type:	LOP - Local Oversight Program
Historical Name:	POWAY FORD/MEISTER FORD
SWRCB Global ID:	T0607302868
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	10/22/1986
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9562115
Longitude:	-117.0554422
X MapCoord:	6314626.738
Y MapCoord:	1928641.228

CIWQS:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 92064
Agency:	perry ford of poway
Agency Address:	12740 poway rd, Poway, CA 92064
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported

317-490-66, -73 (Continued) **1000388633**

Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C369451
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/16/2014
Termination Date:	04/08/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.95596
Longitude:	-117.05561

CERS:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Site ID:	56343
CERS ID:	T0607302868
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 08/14/2019. Inspection Sequence ID:6191730
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes:	Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730

317-490-66, -73 (Continued) **1000388633**

Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 56343
Site Name: PERRY FORD OF POWAY
Violation Date: 07-10-2019
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 08/29/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015

317-490-66, -73 (Continued) **1000388633**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4095474
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5690360
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:5690360
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4095474
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: LaPel Daniel Inspection ID:4095474
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Soquiat Joseph Inspection ID:6191730

317-490-66, -73 (Continued) **1000388633**

Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 56343
Facility Name: PERRY FORD OF POWAY
Env Int Type Code: HWG
Program ID: 10374241
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.956460
Longitude: -117.054650

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Don Horn
Entity Title: Service Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: PERRY FORD OF POWAY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (858) 748-1400,

Affiliation Type Desc: Parent Corporation
Entity Name: PERRY FORD OF POWAY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12740 POWAY RD
Affiliation City: POWAY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92064-4404
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner

317-490-66, -73 (Continued) **1000388633**

Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400,
Affiliation Type Desc:	Property Owner
Entity Name:	FALK TRUST 07-14-98
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	KPA,LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Don Horn
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Site ID:	56343
CERS ID:	10374241
CERS Description:	Chemical Storage Facilities

317-490-66, -73 (Continued) **1000388633**

Violations:

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 08/14/2019. Inspection Sequence ID:6191730
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes:	Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division:	San Diego County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/09/2019. Inspection Sequence ID:6191730
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	56343
Site Name:	PERRY FORD OF POWAY
Violation Date:	07-10-2019
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of

317-490-66, -73 (Continued) **1000388633**

hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 08/29/2019. Inspection Sequence ID:6191730
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:5690360
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No

317-490-66, -73 (Continued) **1000388633**

Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: LaPel Daniel Inspection ID:4095474
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Soquiat Joseph Inspection ID:6191730
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 56343
Facility Name: PERRY FORD OF POWAY
Env Int Type Code: HWG
Program ID: 10374241
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.956460
Longitude: -117.054650

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Don Horn
Entity Title: Service Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: PERRY FORD OF POWAY

317-490-66, -73 (Continued) **1000388633**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 748-1400,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064-4404
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	PERRY FORD OF POWAY
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400,
Affiliation Type Desc:	Property Owner
Entity Name:	FALK TRUST 07-14-98
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92064
Affiliation Phone:	(858) 748-1400,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

317-490-66, -73 (Continued) **1000388633**

Affiliation Type Desc:	Document Preparer
Entity Name:	KPA,LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Don Horn
Entity Title:	Not reported
Affiliation Address:	12740 POWAY RD
Affiliation City:	POWAY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92064
Affiliation Phone:	,

O101 **PERRY FORD OF POWAY** **Cortese** **S113011739**
NNE **12740 POWAY RD** **HAZNET** **N/A**
1/4-1/2 **POWAY, CA 92064** **HWTS**
0.402 mi.
2120 ft. **Site 5 of 7 in cluster O**

Relative:
Higher

Actual:
489 ft.

CORTESE:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302868
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
Address 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

City,State,Zip:	POWAY, CA 920644404
Contact:	DON HORN MANAGER
Telephone:	8589562349
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	AZD081705402
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.12580
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.45000
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	AZD081705402
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.78540
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	3.50000
Year:	2019
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.32500
Year:	2018
Gepaid:	CAD981997323
TSD EPA ID:	AZD081705402
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.26400
Year:	2018
Gepaid:	CAD981997323
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect

PERRY FORD OF POWAY (Continued) **S113011739**

Tons: 3.75000

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20000

Year: 2018
Gepaid: CAD981997323
TSD EPA ID: AZD081705402
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10000

Year: 2017
Gepaid: CAD981997323
TSD EPA ID: AZD081705402
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.099

Click this hyperlink while viewing on your computer to access
59 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1999
Gen EPA ID: CAD981997323

Shipment Date: 19990913
Creation Date: 12/16/1999 0:00:00
Receipt Date: 19990930
Manifest ID: 99124529
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: CAD028277036
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	19990719
Creation Date:	9/21/1999 0:00:00
Receipt Date:	19990720
Manifest ID:	99126212
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990609
Creation Date:	8/19/1999 0:00:00
Receipt Date:	19990611
Manifest ID:	99241290
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990430
Creation Date:	6/18/1999 0:00:00
Receipt Date:	19990430
Manifest ID:	99007308
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990316
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990316
Manifest ID:	98854602
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990209
Creation Date:	4/20/1999 0:00:00
Receipt Date:	19990209
Manifest ID:	98854227
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990119
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19990119
Manifest ID:	98851231
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990113
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990121
Manifest ID:	95881740
Trans EPA ID:	CAD981965734
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	9.7995
Waste Quantity:	2350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981997323

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	19951128
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951128
Manifest ID:	95399810
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.7297
Waste Quantity:	175
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950524
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950525
Manifest ID:	95126528
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.197
Waste Quantity:	285
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950307
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950308
Manifest ID:	95242643
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950302
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950302
Manifest ID:	95242644
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950104
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950104
Manifest ID:	95249444
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD981997323
Shipment Date:	20061006
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061011
Manifest ID:	000826980JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC 000798
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060925
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061002
Manifest ID:	001052156JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.10008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060605
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060612
Manifest ID:	24629091
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22518
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060420
Creation Date:	7/29/2006 18:34:05
Receipt Date:	20060426
Manifest ID:	24618898
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060215
Creation Date:	6/14/2006 18:34:47
Receipt Date:	20060221
Manifest ID:	24610305
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22518
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD981997323
Shipment Date:	20101216
Creation Date:	2/8/2011 18:30:37
Receipt Date:	20101217
Manifest ID:	007839024JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101001
Creation Date:	12/30/2010 18:30:17
Receipt Date:	20101008
Manifest ID:	007839147JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100325
Creation Date:	12/16/2010 18:30:46
Receipt Date:	20100401
Manifest ID:	006909125JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100219
Creation Date:	5/20/2010 18:30:40
Receipt Date:	20100223
Manifest ID:	007141402JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.748
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	D001

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD981997323
Shipment Date:	20021025
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021101
Manifest ID:	22134500
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020813
Creation Date:	3/13/2003 18:31:17
Receipt Date:	20020820
Manifest ID:	21748131
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2184
Waste Quantity:	52
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	20020529
Creation Date:	8/5/2002 18:31:21
Receipt Date:	20020529
Manifest ID:	21667347
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020117
Creation Date:	9/5/2002 18:30:37
Receipt Date:	20020205
Manifest ID:	21464706
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	AZ0000001560
Trans 2 Name:	Not reported
TSDF EPA ID:	KYD053348108
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020103
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20020103
Manifest ID:	21003154
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981997323
Shipment Date:	20011205
Creation Date:	2/19/2002 0:00:00
Receipt Date:	20011210
Manifest ID:	21310049
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010920
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010925
Manifest ID:	21451247
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039

PERRY FORD OF POWAY (Continued) **S113011739**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2016
Waste Quantity:	48
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010628
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010705
Manifest ID:	21137574
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010523
Manifest ID:	20687040
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000075150
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	6.5135
Waste Quantity:	1562
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	20010403
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010406
Manifest ID:	20624493
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD981997323

Shipment Date:	19961016
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961016
Manifest ID:	95807037
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.798
Waste Quantity:	190
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960819
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960820
Manifest ID:	96004163
Trans EPA ID:	CAD028277036

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960710
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960711
Manifest ID:	95808025
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960506
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960507
Manifest ID:	95806835
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Meth Code:	R01 - Recycler
Quantity Tons:	1.386
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960424
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960430
Manifest ID:	95808401
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960424
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960430
Manifest ID:	95808401
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	19960209
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960210
Manifest ID:	95807486
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960112
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960119
Manifest ID:	95811703
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981997323

Shipment Date:	20121108
Creation Date:	1/9/2013 22:15:17
Receipt Date:	20121109
Manifest ID:	010440300JJK
Trans EPA ID:	CAL000330453

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981997323
Shipment Date:	20141103
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141107
Manifest ID:	013460650JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140924
Creation Date:	11/8/2014 22:15:16
Receipt Date:	20141003
Manifest ID:	013455716JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140702
Creation Date:	9/13/2014 22:15:06
Receipt Date:	20140711
Manifest ID:	013248112JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140702
Creation Date:	8/24/2014 22:15:06
Receipt Date:	20140711
Manifest ID:	013248113JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD981997323
Shipment Date:	19971202
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971203
Manifest ID:	96828977
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971028
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971029
Manifest ID:	96806953
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Shipment Date:	19971001
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971002
Manifest ID:	96828954
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970826
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970827
Manifest ID:	96815619
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970721
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970721
Manifest ID:	96819018
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970612
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970613
Manifest ID:	96824551
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970421
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970421
Manifest ID:	96822782
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970324
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970402
Manifest ID:	96826064
Trans EPA ID:	CAL000827847
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970312
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970331
Manifest ID:	96005332
Trans EPA ID:	CAL000827847
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970303
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970303

PERRY FORD OF POWAY (Continued) **S113011739**

Manifest ID:	96822775
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD981997323
Shipment Date:	20110922
Creation Date:	12/9/2011 18:30:13
Receipt Date:	20110923
Manifest ID:	008786433JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110216
Creation Date:	4/22/2011 18:30:09
Receipt Date:	20110218
Manifest ID:	008046195JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD981997323
Shipment Date:	20171108
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20171118
Manifest ID:	018041988JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	11/8/2018 18:30:41
Receipt Date:	20171012
Manifest ID:	018041501JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

PERRY FORD OF POWAY (Continued) **S113011739**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	11/8/2018 18:30:41
Receipt Date:	20171012
Manifest ID:	017879018JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170918
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20170920
Manifest ID:	017877485JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170829
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20170830
Manifest ID:	017481466JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170619
Creation Date:	5/17/2018 18:31:41
Receipt Date:	20170621
Manifest ID:	017504686JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170515
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170526
Manifest ID:	017267380JJK
Trans EPA ID:	CAL000330453

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170512
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170526
Manifest ID:	017267382JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170405
Creation Date:	5/20/2018 18:31:05
Receipt Date:	20170412
Manifest ID:	017070986JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170315
Creation Date:	5/12/2018 18:32:04
Receipt Date:	20170331
Manifest ID:	017070210JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD981997323
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:50
Receipt Date:	20151204
Manifest ID:	014792297JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150626
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150724
Manifest ID:	014524859JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150430
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150508
Manifest ID:	014523656JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 5:	Not reported
Shipment Date:	20150130
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20150206
Manifest ID:	013701267JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981997323
Shipment Date:	19981215
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981216
Manifest ID:	98844094
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981117
Creation Date:	1/28/1999 0:00:00
Receipt Date:	19981130

PERRY FORD OF POWAY (Continued) **S113011739**

Manifest ID:	98502830
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981102
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981102
Manifest ID:	98511552
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980925
Creation Date:	11/19/1998 0:00:00
Receipt Date:	19980925
Manifest ID:	98166583
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980819
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980820
Manifest ID:	98003823
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980814
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980901
Manifest ID:	98165349
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980629
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980629
Manifest ID:	98159848
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980602
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980602
Manifest ID:	98003754
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980430
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980501
Manifest ID:	97228305
Trans EPA ID:	CAD028277036
Trans Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980327
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980330
Manifest ID:	97228315
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD981997323

Shipment Date:	20070914
Creation Date:	3/4/2008 18:30:55
Receipt Date:	20070919
Manifest ID:	000554349SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070522
Creation Date:	12/20/2007 18:30:41
Receipt Date:	20070524
Manifest ID:	000499908SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.20016
Waste Quantity:	48
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070322
Creation Date:	9/20/2007 18:30:37
Receipt Date:	20070329
Manifest ID:	000398090SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070130
Creation Date:	8/9/2007 18:30:32
Receipt Date:	20070205
Manifest ID:	001680079JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070116
Creation Date:	6/11/2007 18:30:07
Receipt Date:	20070122
Manifest ID:	000381563SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Info:

Year:	2003
Gen EPA ID:	CAD981997323
Shipment Date:	20030926
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20031001
Manifest ID:	22517602
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030606
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030611
Manifest ID:	22675689
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030409
Creation Date:	6/21/2003 18:30:56
Receipt Date:	20030411
Manifest ID:	22440114
Trans EPA ID:	TXR000050930

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1764
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030213
Creation Date:	5/19/2003 18:31:05
Receipt Date:	20030218
Manifest ID:	22430431
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981997323

Shipment Date:	20131219
Creation Date:	1/29/2014 22:15:13
Receipt Date:	20131227
Manifest ID:	012237478JJK
Trans EPA ID:	CAL000368136
Trans Name:	CLEANTECH ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18765
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD981997323
Shipment Date:	20080421
Creation Date:	9/4/2008 18:30:17
Receipt Date:	20080425
Manifest ID:	000590391SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080421
Creation Date:	9/4/2008 18:30:17
Receipt Date:	20080425
Manifest ID:	000590391SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

PERRY FORD OF POWAY (Continued) **S113011739**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080214
Creation Date:	8/4/2008 18:30:22
Receipt Date:	20080221
Manifest ID:	000990843SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2604
Waste Quantity:	62
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080103
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20080107
Manifest ID:	000670388SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD981997323
Shipment Date:	19940627
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940627
Manifest ID:	93722528
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.617
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940426
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940426
Manifest ID:	93321288
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940425

PERRY FORD OF POWAY (Continued) **S113011739**

Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940425
Manifest ID:	93321663
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.428
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD981997323
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:50
Receipt Date:	20151204
Manifest ID:	014792297JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150626
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150724
Manifest ID:	014524859JJK
Trans EPA ID:	CAL000330453

PERRY FORD OF POWAY (Continued) **S113011739**

Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150430
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150508
Manifest ID:	014523656JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150130
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20150206
Manifest ID:	013701267JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD981997323
Shipment Date:	20041202
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041206
Manifest ID:	23736537
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041130
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041209
Manifest ID:	23723705
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.36696
Waste Quantity:	88

PERRY FORD OF POWAY (Continued) **S113011739**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040813
Creation Date:	1/4/2005 18:33:27
Receipt Date:	20040820
Manifest ID:	23708434
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35028
Waste Quantity:	84
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040429
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040506
Manifest ID:	23464051
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.40032
Waste Quantity:	96
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040110
Creation Date:	8/13/2004 7:53:20

PERRY FORD OF POWAY (Continued) **S113011739**

Receipt Date:	20040121
Manifest ID:	22572813
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35862
Waste Quantity:	86
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD981997323
Shipment Date:	20090518
Creation Date:	7/2/2009 18:30:08
Receipt Date:	20090526
Manifest ID:	001461034JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY AND OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.153
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD981997323
Shipment Date:	20051101

PERRY FORD OF POWAY (Continued) **S113011739**

Creation Date:	5/24/2006 18:32:16
Receipt Date:	20051103
Manifest ID:	24741301
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3696
Waste Quantity:	88
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051024
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051031
Manifest ID:	24743385
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.24186
Waste Quantity:	58
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050705
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050713
Manifest ID:	24502561
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC

PERRY FORD OF POWAY (Continued) **S113011739**

TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.23352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050518
Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050520
Manifest ID:	24253168
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2772
Waste Quantity:	66
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050318
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050324
Manifest ID:	23667604
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.23352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported

PERRY FORD OF POWAY (Continued) **S113011739**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981997323
Shipment Date:	19931018
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931018
Manifest ID:	93149936
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PERRY FORD OF POWAY
Address:	12740 POWAY RD
Address 2:	Not reported
City,State,Zip:	POWAY, CA 920644404
EPA ID:	CAD981997323
Inactive Date:	Not reported
Create Date:	03/01/1988
Last Act Date:	07/17/2020
Mailing Name:	Not reported
Mailing Address:	12740 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920644404
Owner Name:	PERRY FALK
Owner Address:	12740 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	ROBERT TOOLE
Contact Address:	12740 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAD981997323

PERRY FORD OF POWAY (Continued) **S113011739**

Create Date:	2002-10-09 14:20:28.170
NAICS Code:	44111
NAICS Description:	New Car Dealers
Issued EPA ID Date:	1988-03-01 00:00:00
Inactive Date:	Not reported
Facility Name:	PERRY FORD OF POWAY
Facility Address:	12740 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920644404

O102 **317-490-02** **US BROWNFIELDS** **1016347231**
NNE **12775 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.417 mi.
2204 ft. **Site 6 of 7 in cluster O**

Relative: **Higher**
Actual: **493 ft.**

US BROWNFIELDS:

Name:	317-490-02
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-02
Parcel size:	0.67
Latitude:	32.956218
Longitude:	-117.053967
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Animal Emergency Clinic - Facility observed to consist of one building, and parking and landscaped areas. Three groundwater monitoring wells observed at facility and two sets of wells observed adjacent to facility in Carriage Road. Groundwater monitoring wells appear to be associated with adjacent ARCO gas station.
Datum:	World Geodetic System of 1984
Acres Property ID:	39793
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y

317-490-02 (Continued) **1016347231**

Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	Michael/Darci Wishnack, Animal Emergency Clinic
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	Antifreeze
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-

317-490-02 (Continued) **1016347231**

Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Animal Emergency Clinic - Facility observed to consist of one building, and parking and landscaped areas. Three groundwater monitoring wells observed at facility and two sets of wells observed adjacent to facility in Carriage Road. Groundwater monitoring wells appear to be associated with adjacent ARCO gas station.
Below Poverty Number:	233
Below Poverty Percent:	4.15
Meidan Income:	8060
Meidan Income Number:	976
Meidan Income Percent:	17.38
Vacant Housing Number:	132
Vacant Housing Percent:	6.61
Unemployed Number:	258
Unemployed Percent:	4.59

FINDS:
Registry ID: 110038719223

Click Here:

Environmental Interest/Information System:

317-490-02 (Continued) **1016347231**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O103 **CONROYS FLOWERS** **SAN DIEGO CO. SAM** **S104752975**
NNE **12775 POWAY RD** **CPS-SLIC** **N/A**
1/4-1/2 **POWAY, CA 92064** **San Diego Co. HMMD**
0.417 mi. **SAN DIEGO CO LOP**
2204 ft. **Site 7 of 7 in cluster O** **CERS**

Relative:
Higher

Actual:
493 ft.

SAN DIEGO CO. SAM:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 920644443
Case Number:	H32109-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/17/2007
Date Began:	10/18/1990

CPS-SLIC:

Name:	CONROY'S FLOWERS
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/17/2007
Global Id:	SLT9S0064213
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H32109-001
Latitude:	32.9559095146185
Longitude:	-117.054231890877
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT9S006
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Contamination likely originated from 4 other off-site USTs (H20710-001, H13170-001). No on-site uses of contaminants of concern.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	132109
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	317-490-02-00
Last HMMD Inspection:	Not reported

CONROYS FLOWERS (Continued) **S104752975**

Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	FLOWER REALTY INC
Facility Mailing Address:	6621 E PACIFIC COAST HY #280
Facility Mailing City:	LONG BEACH
Facility Mailing State:	CA
Facility Mailing Zip:	90803-4200
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO LOP:

Name:	CONROYS FLOWERS
Address:	12775 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1992-LSAM-H32109-001
Record Status:	Completed
Opened Date:	10/23/1992
Parcel Number:	317-490-02-00
Case Type:	Not reported
Historical Name:	CONROY'S FLOWERS
SWRCB Global ID:	SLT9S0064213
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	12/01/1994
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9558908
Longitude:	-117.0542523
X MapCoord:	6314965.152
Y MapCoord:	1928529.316

CERS:

Name:	CONROY'S FLOWERS
Address:	12775 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Site ID:	225734
CERS ID:	SLT9S0064213
CERS Description:	Cleanup Program Site

P104 **317-153-18, -19, -20, AND -21** **US BROWNFIELDS** **1016346568**
WNW **12300 BLOCK OF POWAY ROAD (EVENS)** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.424 mi.
2237 ft. **Site 1 of 4 in cluster P**

Relative: **Lower**
Actual: **446 ft.**

US BROWNFIELDS:

Name:	317-153-18, -19, -20, AND -21
Address:	12300 BLOCK OF POWAY ROAD (EVENS)
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-153-18, -19, -20, and -21
Parcel size:	8.63
Latitude:	32.95174
Longitude:	-117.064915
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Shopping center - Facility observed to consist of four buildings, and parking and landscaped areas. Facility observed to be shopping center.
Datum:	-
Acres Property ID:	39767
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Business Properties Partnership No. 16
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-

317-153-18, -19, -20, AND -21 (Continued) **1016346568**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

317-153-18, -19, -20, AND -21 (Continued) **1016346568**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Shopping center - Facility observed to consist of four buildings, and parking and landscaped areas. Facility observed to be shopping center.
Below Poverty Number:	142
Below Poverty Percent:	4.22
Meidan Income:	2735
Meidan Income Number:	771
Meidan Income Percent:	22.94
Vacant Housing Number:	77
Vacant Housing Percent:	6.12
Unemployed Number:	173
Unemployed Percent:	5.15

FINDS:
Registry ID: 110038709939

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P105 **317-151-60** **RCRA-SQG** **1000686496**
West **12255 POWAY ROAD** **US BROWNFIELDS** **CAD983638164**
1/4-1/2 **POWAY, CA 92064** **FINDS**
0.452 mi. **ECHO**
2384 ft. **Site 2 of 4 in cluster P**

Relative: RCRA-SQG:
Lower

Date Form Received by Agency:		19920227
Handler Name:	RICHARDSON PONTIAC	
Handler Address:		12255 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAD983638164
Contact Name:		CRAIG VADEN
Contact Address:		12255 POWAY RD
Contact City,State,Zip:		POWAY, CA 92064

Actual:
440 ft.

317-151-60 (Continued) **1000686496**

Contact Telephone:	619-679-6900
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12255 POWAY RD
Mailing City,State,Zip:	POWAY, CA 92064
Owner Name:	RICHARDSON PONITAC
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

317-151-60 (Continued) **1000686496**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RICHARDSON PONITAC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15209 CRESTVIEW CT
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	619-748-3480
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19920227
Handler Name: RICHARDSON PONTIAC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44111
NAICS Description:	NEW CAR DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

317-151-60 (Continued) **1000686496**

US BROWNFIELDS:

Name:	317-151-60
Address:	12255 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-151-60
Parcel size:	0.79
Latitude:	32.951658
Longitude:	-117.062704
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Automotive Outlet -Facility observed to consist of one building and parking areas. Facility observed to be automotive sales and service facility.
Datum:	-
Acres Property ID:	39764
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/30/2006
Ownership Entity:	-
Completion Date:	6/30/2006
Current Owner:	Paul McGregor 10-21-92 & Angela
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N

317-151-60 (Continued) **1000686496**

Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-

317-151-60 (Continued) **1000686496**

Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Automotive Outlet -Facility observed to consist of one building and parking areas. Facility observed to be automotive sales and service facility.
Below Poverty Number:	134
Below Poverty Percent:	4.29
Meidan Income:	3217
Meidan Income Number:	736
Meidan Income Percent:	23.54
Vacant Housing Number:	70
Vacant Housing Percent:	5.93
Unemployed Number:	162
Unemployed Percent:	5.18

FINDS:
Registry ID: 110002877511

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110038709902

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000686496
Registry ID:	110002877511
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002877511
Name:	RICHARDSON PONTIAC
Address:	12255 POWAY RD

317-151-60 (Continued) **1000686496**

City,State,Zip: POWAY, CA 92064

P106 **SAN DIEGO VOLVO** **LUST** **S100232616**
West **12255 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **SWEEPS UST**
0.452 mi. **HIST CORTESE**
2384 ft. **Site 3 of 4 in cluster P**

Relative: **Lower**

Actual: **440 ft.**

LUST:

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302759
Global Id:	T0607302759
Latitude:	32.9506908
Longitude:	-117.0674082
Status:	Completed - Case Closed
Status Date:	01/19/2012
Case Worker:	TVS
RB Case Number:	9UT457
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H14146-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case is Closed. Please refer to "Site Maps/Documents" tab for Closure Letter/Summary.

LUST:

Global Id:	T0607302759
Contact Type:	Local Agency Caseworker
Contact Name:	TONY SAWYER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	tony.sawyer@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302759
Action Type:	Other
Date:	07/17/1986
Action:	Leak Discovery
Global Id:	T0607302759
Action Type:	ENFORCEMENT
Date:	08/21/1992
Action:	Notice of Responsibility
Global Id:	T0607302759
Action Type:	ENFORCEMENT
Date:	05/21/2010
Action:	Notification - Public Notice of Case Closure
Global Id:	T0607302759
Action Type:	Other

SAN DIEGO VOLVO (Continued) **S100232616**

Date: 09/29/1986
Action: Leak Reported

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 05/13/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 11/29/2011
Action: Staff Letter

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 01/19/2012
Action: Closure/No Further Action Letter

Global Id: T0607302759
Action Type: Other
Date: 07/17/1986
Action: Leak Began

Global Id: T0607302759
Action Type: Other
Date: 09/29/1986
Action: Leak Stopped

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 07/01/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302759
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

LUST:
Global Id: T0607302759
Status: Open - Case Begin Date
Status Date: 07/17/1986

Global Id: T0607302759
Status: Open - Remediation
Status Date: 12/31/1986

Global Id: T0607302759
Status: Open - Verification Monitoring
Status Date: 05/19/2010

Global Id: T0607302759
Status: Completed - Case Closed
Status Date: 01/19/2012

SAN DIEGO VOLVO (Continued) **S100232616**

LUST REG 9:

Region:	9
Status:	Remediation Plan
Case Number:	9UT457
Local Case:	H14146-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/16/1986
Date Stopped:	09/29/1986
Confirm Date:	09/29/1986
Submit Workplan:	Not reported
Prelim Assess:	02/18/1987
Desc Pollution:	Not reported
Remed Plan:	09/18/1987
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/17/1986
Enforce Date:	8/21/92
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	13ft
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HMMD SAN DIEGO:

Name:	ACE TIRE CENTERS OF POWAY
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	216397
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	317-151-60-00
Last HMMD Inspection:	06/13/2012
Facility Telephone:	858-391-0288
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	ACE TIRE CENTERS OF POWAY
Facility Mailing Address:	12255 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA

SAN DIEGO VOLVO (Continued) **S100232616**

Facility Mailing Zip: 92064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 216397
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 216397
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 216397
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ANITFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 216397
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SWEEPS UST:
Name: POWAY VOLKSWAGEN
Address: 12255 POWAY RD
City: POWAY
Status: Active
Comp Number: 14146
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92

SAN DIEGO VOLVO (Continued) **S100232616**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Name:	POWAY VOLKSWAGEN
Address:	12255 POWAY RD
City:	POWAY
Status:	Not reported
Comp Number:	14146
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014146-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

HIST CORTESE:

edr_fname:	SAN DIEGO VOLVO
edr_fadd1:	12255 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT457

P107 **ALBA ACTION SPORTS** **SAN DIEGO CO. SAM** **S103240604**
West **12255 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **Cortese**
0.452 mi. **HAZNET**
2384 ft. **Site 4 of 4 in cluster P** **SAN DIEGO CO LOP**
CERS
Relative: **HWTS**
Lower

Actual: SAN DIEGO CO. SAM:
440 ft.

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217
Case Number:	H14146-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation

ALBA ACTION SPORTS (Continued) **S103240604**

Date: 4/11/2006
Date Began: 7/17/1986

HMMD SAN DIEGO:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 114146
Business Type: 6HK26
EPA Id Number: CAD131180853
APN: 317-151-60-00
Last HMMD Inspection: 05/17/2002
Facility Telephone: 858-486-4380
Permit Status: INAC
Permit Expiration: 06/30/2004
Date Last Updated: 11/02/2012
Facility Owner: CORJEN INC
Facility Mailing Address: 12255 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4217
UST Owner: S D COUNTY IMPORTS
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 114146 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 114146
Tank Type: SINGLE WALL
Additional Id: AT0188-1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 114146
Business Type: 6HK26
EPA Id Number: CAD131180853
APN: 317-151-60-00
Last HMMD Inspection: 05/17/2002
Facility Telephone: 858-486-4380

ALBA ACTION SPORTS (Continued) **S103240604**

Permit Status:	INAC
Permit Expiration:	06/30/2004
Date Last Updated:	11/02/2012
Facility Owner:	CORJEN INC
Facility Mailing Address:	12255 POWAY RD
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92064-4217
UST Owner:	S D COUNTY IMPORTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114146 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114146
Tank Type:	SINGLE WALL
Additional Id:	AT0188-1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CORTESE:

Name:	ALBA ACTION SPORTS
Address:	12255 POWAY RD
City,State,Zip:	POWAY, CA 920644217
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302759
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported

ALBA ACTION SPORTS (Continued) **S103240604**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:
Name: WRENCH ON WHEELS
Address: 12255 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 920640000
Contact: DAVID PIKE
Telephone: 8587483500
Mailing Name: Not reported
Mailing Address: 12255 POWAY RD

Year: 2018
Gepaid: CAL000407212
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2017
Gepaid: CAL000407212
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Additional Info:
Year: 2017
Gen EPA ID: CAL000407212

Shipment Date: 20170302
Creation Date: 5/25/2017 18:30:38
Receipt Date: 20170314
Manifest ID: 016853932JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON, INC.
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

ALBA ACTION SPORTS (Continued) **S103240604**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

SAN DIEGO CO LOP:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1986-LSAM-H14146-001
Record Status: Completed
Opened Date: 09/29/1986
Parcel Number: 317-151-60-00
Case Type: LOP - Local Oversight Program
Historical Name: POWAY VOLKSWAGEN
SWRCB Global ID: T0607302759
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 07/17/1986
Census Tract: 170.42
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9512197
Longitude: -117.0655043
X MapCoord: 6311478.275
Y MapCoord: 1926867.617

CERS:
Name: ALBA ACTION SPORTS
Address: 12255 POWAY RD
City,State,Zip: POWAY, CA 920644217
Site ID: 258455
CERS ID: T0607302759
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TONY SAWYER - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: WRENCH ON WHEELS
Address: 12255 POWAY RD
Address 2: Not reported
City,State,Zip: POWAY, CA 92064
EPA ID: CAL000407212
Inactive Date: Not reported

ALBA ACTION SPORTS (Continued) **S103240604**

Create Date:	05/27/2015
Last Act Date:	07/08/2020
Mailing Name:	LIV PIKE
Mailing Address:	12255 POWAY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POWAY, CA 920640000
Owner Name:	DAVID PIKE
Owner Address:	12255 POWAY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	POWAY, CA 920640000
Contact Name:	DAVID PIKE
Contact Address:	12255 POWAY RD
Contact Address 2:	Not reported
City,State,Zip:	POWAY, CA 92064

NAICS:

EPA ID:	CAL000407212
Create Date:	2015-05-27 08:51:11.527
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2015-05-27 08:51:11.52000
Inactive Date:	Not reported
Facility Name:	WRENCH ON WHEELS
Facility Address:	12255 POWAY RD
Facility Address 2:	Not reported
Facility City:	POWAY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92064

Q108 **7-ELEVEN FOOD STORE #19160** **SAN DIEGO CO. SAM** **1000281963**
NNE **12764 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **SWEEPS UST**
0.456 mi. **HIST UST**
2407 ft. **Site 1 of 8 in cluster Q** **Cortese**
SAN DIEGO CO LOP

Relative:
Higher

Actual:
498 ft.

SAN DIEGO CO. SAM:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Case Number:	H20710-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	5/22/1997
Date Began:	3/2/1992

HMMD SAN DIEGO:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	120710
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	317-490-72-00

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Last HMMD Inspection:	01/06/1993
Facility Telephone:	858-748-0711
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	THE SOUTHLAND CORP
Facility Mailing Address:	7839 UNIVERSITY AV
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91941-4970
UST Owner:	THE SOUTHLAND CORP
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120710 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120710
Tank Type:	SINGLE WALL
Additional Id:	19160-1
Capacity Gallons:	9940
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-09-03 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 120710 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120710
Tank Type:	SINGLE WALL
Additional Id:	19160-2
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-09-03 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 120710 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120710
Tank Type:	SINGLE WALL
Additional Id:	19160-3

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-09-03 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	20710
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020710-000001
Tank Status:	A
Capacity:	9940
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	20710
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020710-000002
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City:	POWAY

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Status:	Active
Comp Number:	20710
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020710-000003
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	7-ELEVEN FOOD STORE 19160
Address:	12764 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
File Number:	0002F3E9
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F3E9.pdf
Region:	STATE
Facility ID:	00000010243
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	CAL FARRER
Telephone:	6192681070
Owner Name:	THE SOUTHLAND CORPORATION
Owner Address:	7839 UNIVERSITY AVENUE
Owner City,St,Zip:	LA MESA, CA 92041
Total Tanks:	0003
Tank Num:	001
Container Num:	19160-1
Year Installed:	1977
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	19160-2
Year Installed:	1977
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	19160-3
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT

7-ELEVEN FOOD STORE #19160 (Continued) **1000281963**

Type of Fuel:	PREMIUM
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300987
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1992-LSAM-H20710-001
Record Status:	Completed
Opened Date:	03/02/1992
Parcel Number:	317-490-72-00
Case Type:	LOP - Local Oversight Program
Historical Name:	SOUTHLAND - POWAY
SWRCB Global ID:	T0607300987
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/05/1992
Census Tract:	170.40
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9565316
Longitude:	-117.0542639
X MapCoord:	6314970.172
Y MapCoord:	1928757.825

Q109 **7-ELEVEN STORE #19160** **LUST** **S103627235**
NNE **12764 POWAY** **HIST CORTESE** **N/A**
1/4-1/2 **POWAY, CA 92064** **CERS**
0.456 mi.
2407 ft. **Site 2 of 8 in cluster Q**

Relative: Higher

Actual: 498 ft.

LUST:

Name:	7-ELEVEN FOOD STORE #19160
Address:	12764 POWAY RD
City,State,Zip:	POWAY, CA 920644404
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300987
Global Id:	T0607300987
Latitude:	32.956515
Longitude:	-117.054259
Status:	Completed - Case Closed
Status Date:	05/22/1997
Case Worker:	Not reported
RB Case Number:	9UT2220
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20710-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300987
Action Type:	ENFORCEMENT
Date:	05/12/1997
Action:	Closure/No Further Action Letter - #H20710-001
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Discovery
Global Id:	T0607300987
Action Type:	ENFORCEMENT
Date:	05/26/1992
Action:	Notice of Responsibility
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Reported
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Began
Global Id:	T0607300987
Action Type:	Other
Date:	03/02/1992
Action:	Leak Stopped
Global Id:	T0607300987
Action Type:	ENFORCEMENT

7-ELEVEN STORE #19160 (Continued) **S103627235**

Date: 05/22/1997
Action: Closure/No Further Action Letter

LUST:
Global Id: T0607300987
Status: Open - Case Begin Date
Status Date: 03/02/1992

Global Id: T0607300987
Status: Completed - Case Closed
Status Date: 05/22/1997

HIST CORTESE:
edr_fname: 7-ELEVEN STORE #19160
edr_fadd1: 12764 POWAY
City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2220

CERS:
Name: 7-ELEVEN FOOD STORE #19160
Address: 12764 POWAY RD
City,State,Zip: POWAY, CA 920644404
Site ID: 257479
CERS ID: T0607300987
CERS Description: Leaking Underground Storage Tank Cleanup Site

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Q110 **7-ELEVEN STORE #19160** **LUST** **S101301856**
NNE **12764 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.456 mi.
2407 ft. **Site 3 of 8 in cluster Q**

Relative:
Higher

Actual:
498 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2220
Local Case: H20710-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/05/1992
Date Stopped: 03/05/1992
Confirm Date: 03/02/1992
Submit Workplan: 5/26/92

7-ELEVEN STORE #19160 (Continued) **S101301856**

Prelim Assess:	10/01/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	03/05/1992
Enforce Date:	Not reported
Closed Date:	5/22/97
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	3.41
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	3A
File Dispn:	Not reported
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

Q111 **317-490-72** **US BROWNFIELDS** **1016347288**
NNE **12764 POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.456 mi.
2407 ft. **Site 4 of 8 in cluster Q**

Relative: **Higher**

Actual: **498 ft.**

US BROWNFIELDS:

Name:	317-490-72
Address:	12764 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-72
Parcel size:	0.73
Latitude:	32.956429
Longitude:	-117.054022
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Carquest Auto Parts - Facility observed to consist of one building and parking areas. Facility observed to be auto parts store. Seven circular patches that appear to be former boring/well locations observed in parking area.
Datum:	-
Acres Property ID:	39814
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-

317-490-72 (Continued) **1016347288**

Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/26/2006
Ownership Entity:	-
Completion Date:	6/26/2006
Current Owner:	John D. Reynolds Junior
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-

317-490-72 (Continued) **1016347288**

Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Carquest Auto Parts - Facility observed to consist of one building and parking areas. Facility observed to be auto parts store. Seven circular patches that appear to be former boring/well locations observed in parking area.
Below Poverty Number:	229
Below Poverty Percent:	4.15
Meidan Income:	8060
Meidan Income Number:	957
Meidan Income Percent:	17.32
Vacant Housing Number:	126
Vacant Housing Percent:	6.42
Unemployed Number:	255
Unemployed Percent:	4.62

FINDS:
Registry ID: 110038720015

317-490-72 (Continued) **1016347288**

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Q112 **ARCO #1735** **SAN DIEGO CO. SAM** **S105692095**
NNE **12805 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.458 mi.
2419 ft. **Site 5 of 8 in cluster Q**

Relative:
Higher

Actual:
499 ft.

SAN DIEGO CO. SAM:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Case Number:	H20714-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/8/1986
Date Began:	7/2/1985

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Case Number:	H20714-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	10/21/2004
Date Began:	12/27/1991

Q113 **ATLANTIC RICHFIELD CO** **LUST** **S100355759**
NNE **12805 POWAY RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **POWAY, CA 92064** **Cortese**
0.458 mi. **EMI**
2419 ft. **Site 6 of 8 in cluster Q** **HIST CORTESE**
SAN DIEGO CO LOP
CERS

Relative:
Higher

Actual:
499 ft.

LUST:

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301865
Global Id:	T0607301865
Latitude:	32.9561328903585
Longitude:	-117.053588233135

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Status: Completed - Case Closed
Status Date: 08/08/1986
Case Worker: KH
RB Case Number: 9UT31
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H20714-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607301865
Contact Type: Local Agency Caseworker
Contact Name: KEVIN HEATON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: kevin.heaton@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Discovery

Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Reported

Global Id: T0607301865
Action Type: Other
Date: 07/02/1985
Action: Leak Began

LUST:
Global Id: T0607301865
Status: Open - Case Begin Date
Status Date: 07/02/1985

Global Id: T0607301865
Status: Completed - Case Closed
Status Date: 08/08/1986

Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300943
Global Id: T0607300943
Latitude: 32.9563907
Longitude: -117.053548
Status: Open - Site Assessment

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Status Date: 07/10/2017
Case Worker: LT
RB Case Number: 9UT2173
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Contamination was identified in 1991 through soil samples. Site investigation and site assesment activities have been ongoing on this site to determine the lateral and vertical extent of contamination. A health risk assessment is being conducted on this site to determine if any potential risk exists. Additional assessment is being conducted and groundwater monitoring to evaluate the contamination is ongoing. Please see the Environmental Data tab for additional site specific data.

LUST:
Global Id: T0607300943
Contact Type: Regional Board Caseworker
Contact Name: LALITHA THOTAKURA
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: lalitha.thotakura@waterboards.ca.gov
Phone Number: 6195213002

LUST:
Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 02/25/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 02/25/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Referral to Regional Board

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 04/18/2018
Action: Email Correspondence

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/03/2019

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Action: Other Report

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/24/2019
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Discovery

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/28/2016
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/04/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/15/1992
Action: Notice of Responsibility

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 10/28/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 05/19/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 02/15/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/02/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 03/28/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/26/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 01/31/2018
Action: Email Correspondence

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Reported

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/11/2013
Action: Correspondence

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Date: 05/05/2016
Action: Conceptual Site Model

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 06/01/2011
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2012
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/29/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/27/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/27/2014
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/12/2015
Action: Correspondence - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/06/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 08/07/2019
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/09/2020
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/09/2019
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2016
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 06/30/2020
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/05/2018
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 12/27/2016
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/21/2021
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/14/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 03/19/2020
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 05/19/2020
Action: Email Correspondence

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/10/2020
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: Other
Date: 12/27/1991
Action: Leak Began

Global Id: T0607300943
Action Type: RESPONSE
Date: 04/21/2009
Action: Soil and Water Investigation Workplan

Global Id: T0607300943
Action Type: RESPONSE

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/31/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 05/01/2016
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/24/2018
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/25/2017
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2019
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 06/07/2017
Action: Other Report / Document

Global Id: T0607300943
Action Type: RESPONSE
Date: 03/25/2021
Action: Correspondence

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/26/2021
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 02/26/2021
Action: Correspondence

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Global Id: T0607300943
Action Type: RESPONSE
Date: 03/04/2010
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 04/08/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/23/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 12/03/2021
Action: Staff Letter

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 05/04/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE
Date: 09/15/2017
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/30/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: RESPONSE

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Date: 07/26/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 08/04/2010
Action: Letter - Notice

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/25/2015
Action: Email Correspondence

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 09/14/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300943
Action Type: ENFORCEMENT
Date: 07/17/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300943
Action Type: RESPONSE
Date: 10/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300943
Action Type: RESPONSE
Date: 11/10/2015
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0607300943
Action Type: RESPONSE
Date: 01/29/2021
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0607300943
Status: Open - Case Begin Date
Status Date: 12/27/1991

Global Id: T0607300943
Status: Open - Remediation
Status Date: 07/16/2004

Global Id: T0607300943
Status: Open - Site Assessment
Status Date: 07/10/2017

ATLANTIC RICHFIELD CO (Continued) **S100355759**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2173
Local Case:	H20714-002
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	01/02/1992
Date Stopped:	01/01/1980
Confirm Date:	12/27/1991
Submit Workplan:	Not reported
Prelim Assess:	10/13/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/02/1992
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	6.4’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HMMD SAN DIEGO:

Name:	EXOIL CORPORATION (ARCO)
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	203392
Business Type:	6HK28
EPA Id Number:	CAL000267713
APN:	317-490-51-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-679-2779
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EXOIL CORPORATION
Facility Mailing Address:	PO BOX 781
Facility Mailing City:	POWAY
Facility Mailing State:	CA

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Facility Mailing Zip:	92074
UST Owner:	GABRIEL SOJIAN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED - T007
Other Information:	UNDERGROUND TANK 120714 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T005
Other Information:	UNDERGROUND TANK 120714 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED - T006
Other Information:	UNDERGROUND TANK 120714 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	203392
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	203392

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/25/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	06/08/2011
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/19/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 120714 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	001 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 120714 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 120714 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	RT1617 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	EXOIL CORPORATION (ARCO)
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Permit Number:	203392
Business Type:	6HK28
EPA Id Number:	CAL000267713
APN:	317-490-51-00
Last HMMD Inspection:	06/07/2012
Facility Telephone:	858-679-2779
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EXOIL CORPORATION
Facility Mailing Address:	PO BOX 781
Facility Mailing City:	POWAY
Facility Mailing State:	CA
Facility Mailing Zip:	92074

ATLANTIC RICHFIELD CO (Continued) **S100355759**

UST Owner: GABRIEL SOJIAN
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 203392
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED - T007
Other Information: UNDERGROUND TANK 120714 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 203392
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED - T005
Other Information: UNDERGROUND TANK 120714 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 203392
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED - T006
Other Information: UNDERGROUND TANK 120714 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 203392
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 203392
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 203392
Update Date: 11/02/2012

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Inspection Date:	04/26/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/25/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	06/08/2011
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	203392
Update Date:	11/02/2012
Inspection Date:	04/19/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 120714 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	203392
Tank Type:	DOUBLE WALL
Additional Id:	001 UNLEADED/ RT4672
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 120714 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 203392
Tank Type: DOUBLE WALL
Additional Id: RT1617 UNLEADED/ RT4672
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 120714 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 203392
Tank Type: DOUBLE WALL
Additional Id: RT1617 UNLEADED/ RT4672
Capacity Gallons: 12000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CORTESE:
Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607301865
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	ARCO #1735
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 920644515
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300943
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - SITE ASSESSMENT
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO / POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.9790852
Reactive Organic Gases Tons/Yr:	2.9790852
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO POWAY
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.9790852
Reactive Organic Gases Tons/Yr:	2.9790852
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: EXOIL CORPORATION
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 3837
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.38
Reactive Organic Gases Tons/Yr: 2.38
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: EXOIL CORPORATION
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 93204
Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 3837
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.38
Reactive Organic Gases Tons/Yr: 2.38
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: EXOIL CORPORATION
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 92064
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 3837
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.38
Reactive Organic Gases Tons/Yr: 2.38

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3799999999999999
Reactive Organic Gases Tons/Yr:	2.3799999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EXOIL CORPORATION
Address:	12805 POWAY RD
City,State,Zip:	POWAY, CA 92064
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3837
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3799999999999999
Reactive Organic Gases Tons/Yr:	2.3799999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	ATLANTIC RICHFIELD CO
edr_fadd1:	12805 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2173

edr_fname:	ARCO SERVICE STATION #173
edr_fadd1:	12805 POWAY

ATLANTIC RICHFIELD CO (Continued) **S100355759**

City,State,Zip: POWAY, CA 92064
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT31

SAN DIEGO CO LOP:
Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1985-LSAM-H20714-001
Record Status: Completed
Opened Date: 07/02/1985
Parcel Number: 317-490-51-00
Case Type: LOP - Local Oversight Program
Historical Name: ARCO # 1735
SWRCB Global ID: T0607301865
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 07/02/1985
Census Tract: 170.48
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9561263
Longitude: -117.0535088
X MapCoord: 6315191.286
Y MapCoord: 1928632.687

Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 92064
Record ID: DEH1991-LSAM-H20714-002
Record Status: Completed
Opened Date: 12/27/1991
Parcel Number: 317-490-51-00
Case Type: LOP - Local Oversight Program
Historical Name: ARCO 1735
SWRCB Global ID: T0607300943
Funding: S - LOP State Fund
Lead Agency: RWQCB
Lead Agency Date: 07/01/2015
Census Tract: 170.48
Community: Poway
Jurisdiction: POWAY
Watershed Basin Number: 906.2
Water Purveyor: CWA POWAY CITY
Fire Agency: POWAY
Latitude: 32.9561263
Longitude: -117.0535088
X MapCoord: 6315191.286
Y MapCoord: 1928632.687

CERS:

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Site ID: 215218
CERS ID: T0607300943
CERS Description: Leaking Underground Storage Tank Cleanup Site

Coordinates:
Site ID: 215218
Facility Name: ARCO #1735
Env Int Type Code: LUSTCS
Program ID: T0607300943
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.956391
Longitude: -117.053548

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195213002,

Name: ARCO #1735
Address: 12805 POWAY RD
City,State,Zip: POWAY, CA 920644515
Site ID: 215218
CERS ID: T0607301865
CERS Description: Leaking Underground Storage Tank Cleanup Site

Coordinates:
Site ID: 215218
Facility Name: ARCO #1735
Env Int Type Code: LUSTCS
Program ID: T0607300943
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 32.956391
Longitude: -117.053548

Affiliation:

ATLANTIC RICHFIELD CO (Continued) **S100355759**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213002,

Q114 **ARCO SERVICE STATION #1735** **LUST** **S102424405**
NNE **12805 POWAY RD** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.458 mi.
2419 ft. **Site 7 of 8 in cluster Q**

Relative:
Higher

Actual:
499 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT31
Local Case:	H20714-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	07/02/1985
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/11/1986
Enforce Date:	Not reported
Closed Date:	8/8/86
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.20
GW Depth:	19’

ARCO SERVICE STATION #1735 (Continued) **S102424405**

Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Q115 **317-490-51** **RCRA-SQG** **1004678148**
NNE **12805 POWAY ROAD** **US BROWNFIELDS** **CAR000105577**
1/4-1/2 **POWAY, CA 92064** **FINDS**
0.458 mi. **ECHO**
2419 ft. **Site 8 of 8 in cluster Q**

Relative: **Higher**
Actual: **499 ft.**

RCRA-SQG:

Date Form Received by Agency:		20020528
Handler Name:	ARCO FACILITY NO 01735	
Handler Address:		12805 POWAY RD
Handler City,State,Zip:		POWAY, CA 92064
EPA ID:		CAR000105577
Contact Name:		JACK OMAN
Contact Address:		P O BOX 6038
Contact City,State,Zip:		ARTESIA, CA 90702-6038
Contact Telephone:		714-690-2425
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 6038
Mailing City,State,Zip:		ARTESIA, CA 90702-6038
Owner Name:		B P WEST COAST PRODUCTS LLC
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

317-490-51 (Continued) **1004678148**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	B P WEST COAST PRODUCTS LLC
Legal Status:	Private
Date Became Current:	Not reported

317-490-51 (Continued) **1004678148**

Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6038
Owner/Operator City,State,Zip:	ARTESIA, CA 90702-6038
Owner/Operator Telephone:	714-690-2425
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020528
Handler Name: ARCO FACILITY NO 01735	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

US BROWNFIELDS:

Name:	317-490-51
Address:	12805 POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-51
Parcel size:	0.52
Latitude:	32.956255
Longitude:	-117.053715
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: ARCO gas station/AM/PM; Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 4 dispensers, and three groundwater monitoring wells.
Datum:	-
Acres Property ID:	39803
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-

317-490-51 (Continued) **1004678148**

Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/20/2006
Ownership Entity:	-
Completion Date:	6/20/2006
Current Owner:	Exoil Corpation
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	Y

317-490-51 (Continued) **1004678148**

Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	ARCO gas station/AM/PM; Facility observed to consist of one building, parking and landscaped areas, dispenser islands. Facility observed to be gas station. Facility observed to have approximately 3 USTs, 4 dispensers, and three groundwater monitoring wells.
Below Poverty Number:	231
Below Poverty Percent:	4.19

317-490-51 (Continued) **1004678148**

Meidan Income:	8060
Meidan Income Number:	960
Meidan Income Percent:	17.39
Vacant Housing Number:	125
Vacant Housing Percent:	6.38
Unemployed Number:	253
Unemployed Percent:	4.58

FINDS:
Registry ID: 110012220514

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR
Registry ID: 110038719321

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004678148
Registry ID:	110012220514
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012220514
Name:	EXOIL CORPORATION
Address:	12805 POWAY ROAD
City,State,Zip:	POWAY, CA 92064

---

116 **317-490-54** **US BROWNFIELDS** **1016347238**
NNE **12800 BLOCK OF POWAY ROAD** **FINDS** **N/A**
1/4-1/2 **POWAY, CA 92064**
0.472 mi.
2493 ft.

Relative:
Higher

Actual:
501 ft.

US BROWNFIELDS:

Name:	317-490-54
Address:	12800 BLOCK OF POWAY ROAD
City,State,Zip:	POWAY, CA 92064
Recipient Name:	Poway Redevelopment Agency
Grant Type:	Assessment
Property Number:	317-490-54
Parcel size:	0.55

317-490-54 (Continued) **1016347238**

Latitude:	32.956334
Longitude:	-117.05325
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Shopping center - Facility observed to consist of four buildings, and parking areas. Facility observed to be shopping center. Not reported
Datum:	-
Acres Property ID:	39804
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	992
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96914701
Start Date:	6/20/2006
Ownership Entity:	-
Completion Date:	6/20/2006
Current Owner:	Antoinette Corpation
Did Owner Change:	-
Cleanup Required:	N
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	N
Asbestos cleaned:	-
Controled substance found:	N
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	N

317-490-54 (Continued) **1016347238**

Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	N
Other metals cleaned:	-
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	-
PCBs found:	N
PCBs cleaned up:	-
Petro products found:	N
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	N
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-

317-490-54 (Continued) **1016347238**

Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Shopping center - Facility observed to consist of four buildings, and parking areas. Facility observed to be shopping center.
Below Poverty Number:	231
Below Poverty Percent:	4.19
Meidan Income:	8060
Meidan Income Number:	960
Meidan Income Percent:	17.39
Vacant Housing Number:	125
Vacant Housing Percent:	6.38
Unemployed Number:	253
Unemployed Percent:	4.58

FINDS:
Registry ID: 110038719330

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

117
ENE
1/2-1
0.747 mi.
3945 ft.

Relative:
Higher

Actual:
483 ft.

QUIK CHEK
13123 POWAY RD
POWAY, CA 92064

LUST **U000030217**
SAN DIEGO CO. SAM **N/A**
CPS-SLIC
San Diego Co. HMMD
SWEEPS UST
Cortese
HIST CORTESE
Notify 65
SAN DIEGO CO LOP
CERS

LUST:

Name:	QUIK LUBE, INC
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 920644611
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300941
Global Id:	T0607300941
Latitude:	32.9563727
Longitude:	-117.0454258
Status:	Completed - Case Closed
Status Date:	01/31/2011
Case Worker:	NS
RB Case Number:	9UT2171
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency

QUIK CHEK (Continued) **U000030217**

Local Case Number: H03459-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel, Gasoline
Site History: On January 1, 1991, diesel fuel was reported to be seeping into the Rattlesnake Creek near the site. US-EPA was notified of the release on April 15, 1993. The Federal On-Scene Coordinator for the EPA started an assessment investigation in the Rattlesnake Creek and in the soil and groundwater at the site and at three adjacent properties. Six USTs were removed and several soil borings and monitoring wells were installed. Cleanup activities included excavation/disposal of impacted soil, soil vapor extraction and groundwater pump and treat systems. On June 5, 1995 the US-EPA reported the case status as closed. In 2001 the City of Poway Redevelopment Services conducted due diligence during acquisition of the site and performed a Phase I and Phase II subsurface soil investigations. Assessment of soil and groundwater contamination initially included advancing seven borings in June 2001, followed by the installation of five soil borings and nine monitoring wells. Soil contamination has been defined and groundwater plume is delineated. Other investigation activities at the site included evaluation of the vertical hydraulic gradient between groundwater and surface water in the Rattlesnake Creek, design and building of a culvert for a section of the Rattlesnake Creek, conduct a soil gas survey targeted at the soil beneath the office building, prepare human health risk calculation (highest risk of 4.32E-08 for MTBE), evaluate migration potential of the contaminants, prepare a degradation rate model for the contaminants of concern, and prepare a Corrective Action Plan. Total residual impacted soil was calculated to be 8,167 cubic yards with maximum gasoline concentration of 622 mg/kg and diesel of 347 mg/kg. The consultants conclude in their final report dated April 2, 2010, that dissolved TPH gasoline and diesel are non detect in all the monitoring wells. Dissolved benzene is detected only in one monitoring well at low concentration, dissolved MTBE ranges from non detect to low concentration, and overall migration of the dissolved plume is stable. They further conclude that the groundwater quality objectives will be met for MTBE within three to eleven years and for benzene within 44 years. The consultants propose natural attenuation as the cost effective option for corrective action at the site and recommend closure of the case. DEH concurs with this recommendation.

LUST:
Global Id: T0607300941
Contact Type: Local Agency Caseworker
Contact Name: NASSER SIONIT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: nasser.sionit@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 10/26/2010
Action: Staff Letter

Global Id: T0607300941

QUIK CHEK (Continued) **U000030217**

Action Type: ENFORCEMENT
Date: 05/28/2010
Action: File review

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Discovery

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/20/1992
Action: * Historical Enforcement

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/11/2002
Action: Notice of Responsibility

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 11/20/2008
Action: Referral to Other State Agency

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 06/03/2009
Action: Technical Correspondence / Assistance / Other - #06/03/2009

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Reported

Global Id: T0607300941
Action Type: Other
Date: 12/20/1991
Action: Leak Began

Global Id: T0607300941
Action Type: Other
Date: 09/15/1992
Action: Leak Stopped

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 01/28/2011
Action: Closure/No Further Action Letter

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 09/22/2010

QUIK CHEK (Continued) **U000030217**

Action: Letter - Notice

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 08/03/2010
Action: Letter - Notice

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 10/26/2010
Action: Closure/No Further Action Letter

Global Id: T0607300941
Action Type: RESPONSE
Date: 05/15/2009
Action: Correspondence

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 11/04/2009
Action: Letter - Notice

Global Id: T0607300941
Action Type: ENFORCEMENT
Date: 10/26/2009
Action: Letter - Notice

LUST:
Global Id: T0607300941
Status: Open - Case Begin Date
Status Date: 12/20/1991

Global Id: T0607300941
Status: Open - Verification Monitoring
Status Date: 07/11/2003

Global Id: T0607300941
Status: Completed - Case Closed
Status Date: 01/31/2011

SAN DIEGO CO. SAM:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Case Number: H03459-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 1/29/1992
Date Began: 1/3/1991

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611

QUIK CHEK (Continued) **U000030217**

Case Number: H03459-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Post Remedial Monitoring
Date: 7/11/2003
Date Began: 12/20/1991

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064-4611
Case Number: H03459-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 3/9/2007
Date Began: Not reported

CPS-SLIC:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064-461
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/04/2012
Global Id: SLT19703885
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03459-003
Latitude: 32.956135
Longitude: -117.046636
Case Type: Cleanup Program Site
Case Worker: NS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Alcohols, Diesel, Gasoline
Site History: Please refer to "Site Maps/Documents" tab for closure letter

Click here to access the California GeoTracker records for this facility:

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/29/1992
Global Id: T0608119550
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03459-001
Latitude: 32.956135
Longitude: -117.046636
Case Type: Cleanup Program Site
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported

QUIK CHEK (Continued) **U000030217**

File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 92064
Permit Number: 103459
Business Type: Not reported
EPA Id Number: Not reported
APN: 317-472-12-00
Last HMMD Inspection: 01/03/1995
Facility Telephone: 858-486-3550
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: EUGENE CHANDLER
Facility Mailing Address: 13123 POWAY RD
Facility Mailing City: POWAY
Facility Mailing State: CA
Facility Mailing Zip: 92064-4611
UST Owner: EUGENE W CHANDLER
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103459 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103459
Tank Type: SINGLE WALL
Additional Id: 75R
Capacity Gallons: 7500
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1993-02-11 00:00:00
Year Installed: 1971-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 103459 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103459
Tank Type: SINGLE WALL
Additional Id: 75P
Capacity Gallons: 7500

QUIK CHEK (Continued) **U000030217**

UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	10D
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	8NL
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	10R
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported

QUIK CHEK (Continued) **U000030217**

Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103459 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103459
Tank Type:	SINGLE WALL
Additional Id:	3NL
Capacity Gallons:	3000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-02-11 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:

Name:	QUIK CHEK
Address:	13123 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3459
Number:	9
Board Of Equalization:	44-021867
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003459-000001
Tank Status:	A
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	6
Name:	QUIK CHEK
Address:	13123 POWAY RD
City:	POWAY
Status:	Active
Comp Number:	3459
Number:	9
Board Of Equalization:	44-021867
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003459-000002
Tank Status:	A

QUIK CHEK (Continued) **U000030217**

Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000004
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88

QUIK CHEK (Continued) **U000030217**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: QUIK CHEK
Address: 13123 POWAY RD
City: POWAY
Status: Active
Comp Number: 3459
Number: 9
Board Of Equalization: 44-021867
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003459-000006
Tank Status: A
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CORTESE:
Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300941
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

QUIK CHEK (Continued) **U000030217**

HIST CORTESE:

edr_fname:	QUIK CHEK GAS
edr_fadd1:	13123 POWAY
City,State,Zip:	POWAY, CA 92064
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2171

NOTIFY 65:

Name:	QUIK CHEK GAS
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 92064
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

SAN DIEGO CO LOP:

Name:	QUIK LUBE, INC
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 92064
Record ID:	DEH1991-LSAM-H03459-002
Record Status:	Completed
Opened Date:	12/20/1991
Parcel Number:	317-472-12-00
Case Type:	LOP - Local Oversight Program
Historical Name:	QUIK CHEK GAS STATION
SWRCB Global ID:	T0607300941
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/20/1991
Census Tract:	170.48
Community:	Poway
Jurisdiction:	POWAY
Watershed Basin Number:	906.2
Water Purveyor:	CWA POWAY CITY
Fire Agency:	POWAY
Latitude:	32.9561971
Longitude:	-117.0466262
X MapCoord:	6317301.770
Y MapCoord:	1928600.562

CERS:

Name:	QUIK LUBE, INC
Address:	13123 POWAY RD
City,State,Zip:	POWAY, CA 92064-461
Site ID:	221365
CERS ID:	SLT19703885
CERS Description:	Cleanup Program Site

QUIK CHEK (Continued) **U000030217**

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Site ID: 208281
CERS ID: T0607300941
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: QUIK LUBE, INC
Address: 13123 POWAY RD
City,State,Zip: POWAY, CA 920644611
Site ID: 208281
CERS ID: T0608119550
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

QUIK CHEK (Continued) **U000030217**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
POWAY	S105155594	POWAY LANDFILL	14900 BLK. POWAY ROAD @ ESPOLA		SWF/LF
POWAY	1027051580	OAK KNOLL VILLAS	12509 OAK KNOLL RD	92064	FINDS
POWAY	S121660045	OAK KNOLL TRUNK SEWER REPLACEMENT	OAK KNOLL DR POMERADO RD SEILE	92064	CIWQS
POWAY	S117708195	POWAY RD & OAK KNOLL RD	POWAY RD & OAK KNOLL ROAD	92064	NPDES, CIWQS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/01/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 9

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/22/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/08/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/28/2022
Number of Days to Update: 80

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 03/02/2022
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/09/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/18/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/28/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 85

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/22/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/16/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 84

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/03/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/18/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 80

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 80

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/18/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/27/2022
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/14/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/22/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 85

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 12/01/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/24/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 83

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/24/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/04/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/02/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 85

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/02/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 77

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/25/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 79

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/21/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 84

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 79

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/24/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/07/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/14/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

12623 OAK KNOLL ROAD
12623 OAK KNOLL ROAD
POWAY, CA 92064

TARGET PROPERTY COORDINATES

Latitude (North):	32.950325 - 32ˆ 57’ 1.17’’
Longitude (West):	117.057621 - 117ˆ 3’ 27.44’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	494614.2
UTM Y (Meters):	3645590.5
Elevation:	450 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11993864 POWAY, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

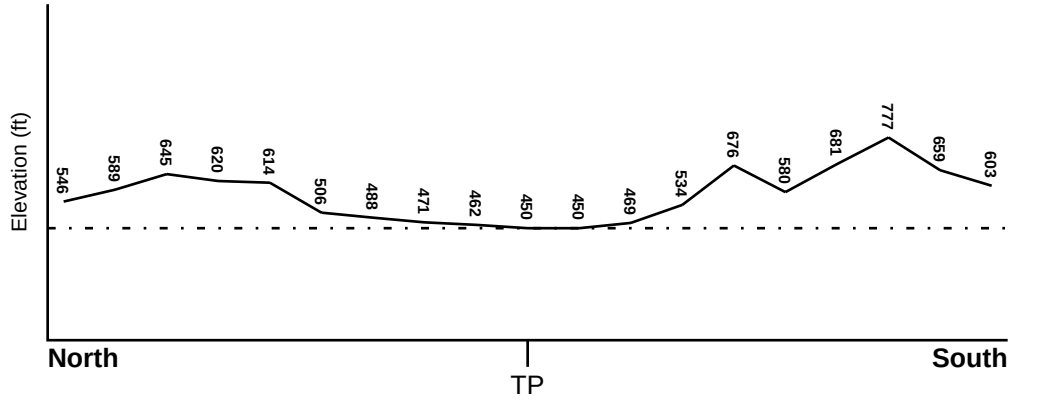
TOPOGRAPHIC INFORMATION

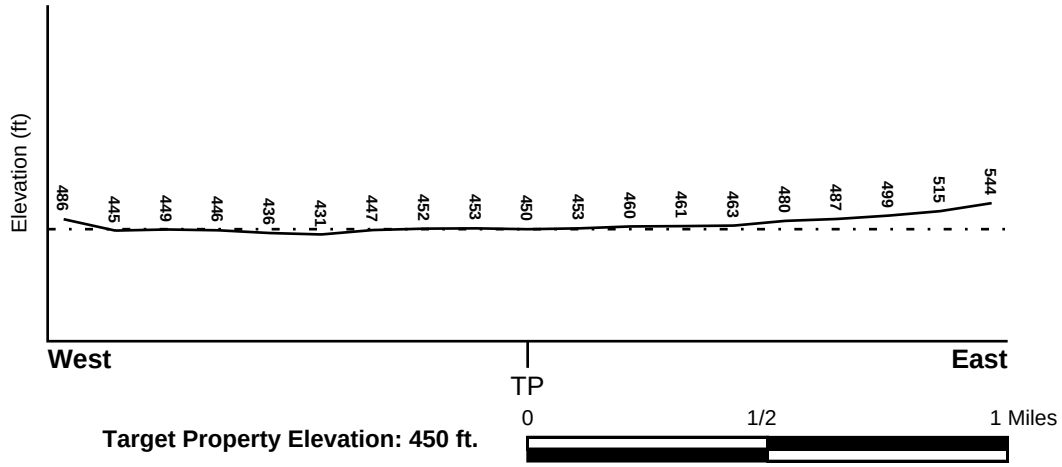
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 450 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1358G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1354G	FEMA FIRM Flood data
06073C1362G	FEMA FIRM Flood data
06073C1366G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POWAY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
J107	1/2 - 1 Mile NE	S
1G	1/2 - 1 Mile NE	S

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

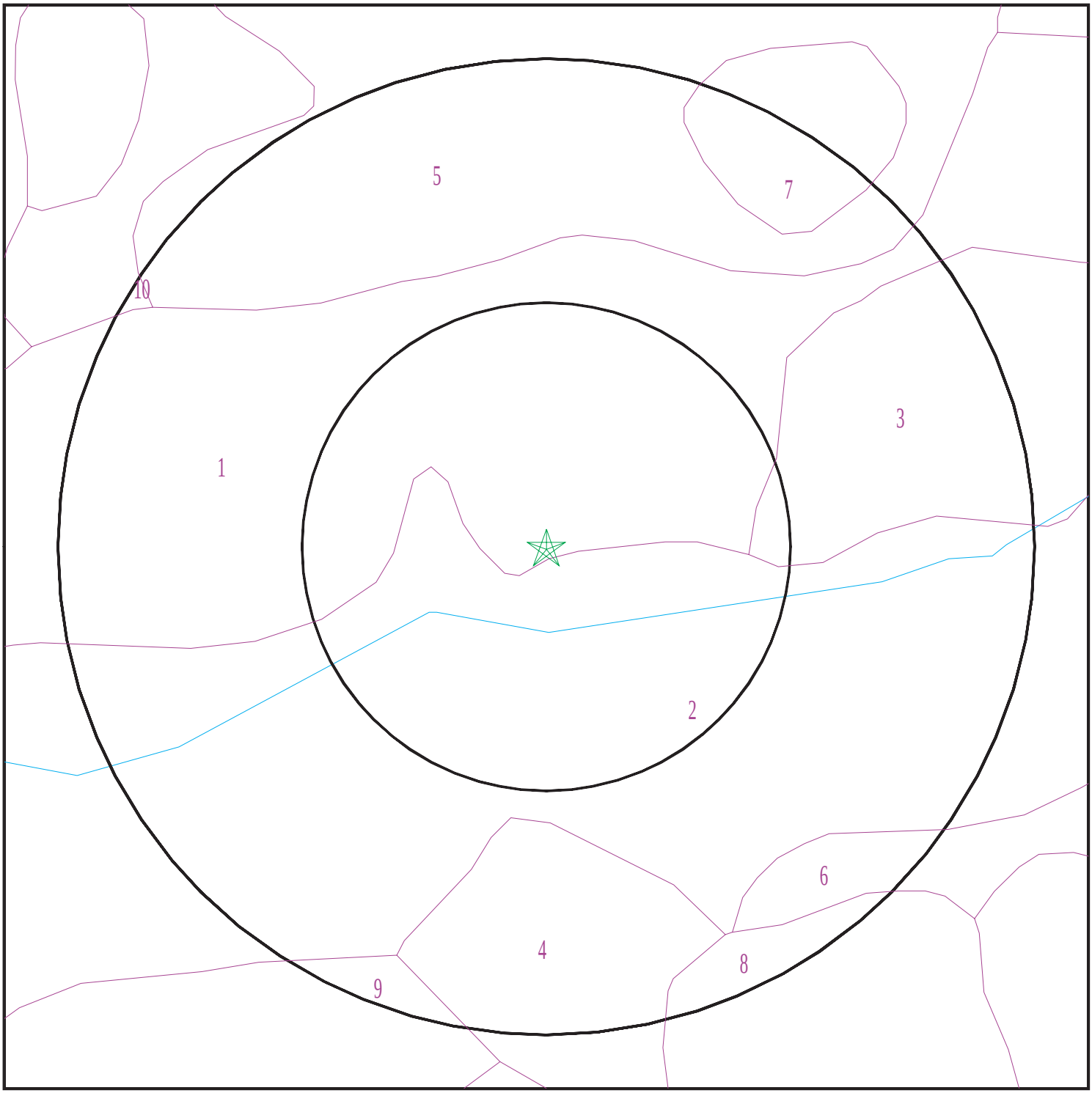
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Tec *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6935042.2s



SITE NAME:	12623 Oak Knoll Road	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12623 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
LAT/LONG:	32.950325 / 117.057621	INQUIRY #:	6935042.2s
		DATE:	April 11, 2022 2:27 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	12 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
2	11 inches	40 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1
3	40 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Map ID: 3

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: OLIVENHAIN

Soil Surface Texture: cobbly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
2	9 inches	42 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
3	42 inches	59 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 5

Soil Component Name: OLIVENHAIN

Soil Surface Texture: cobbly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
2	9 inches	42 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1
3	42 inches	59 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 6

Soil Component Name: DIABLO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	31 inches	35 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 7

Soil Component Name: CIENEBA

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 5 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:
2	7 inches	11 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 8

Soil Component Name: DIABLO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	31 inches	35 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 9

Soil Component Name: DIABLO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	31 inches	35 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 10

Soil Component Name: FALLBROOK

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	11 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
4	27 inches	46 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
5	46 inches	51 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A7	USGS40000130054	1/8 - 1/4 Mile West
G64	USGS40000130073	1/4 - 1/2 Mile NW
H87	USGS40000130086	1/2 - 1 Mile NW
I89	USGS40000130051	1/2 - 1 Mile WSW
L94	USGS40000130045	1/2 - 1 Mile SW
K95	USGS40000130055	1/2 - 1 Mile West
J127	USGS40000130085	1/2 - 1 Mile NE
O132	USGS40000130074	1/2 - 1 Mile ENE
149	USGS40000130060	1/2 - 1 Mile East
S156	USGS40000130083	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000018870	1/8 - 1/4 Mile West
A2	CAEDF0000131312	1/8 - 1/4 Mile West
A3	CAEDF0000124108	1/8 - 1/4 Mile West
A4	CAEDF0000048478	1/8 - 1/4 Mile West
A5	CAEDF0000034997	1/8 - 1/4 Mile West
B6	CAEDF0000014419	1/8 - 1/4 Mile WNW
B8	CAEDF0000035832	1/8 - 1/4 Mile NW
B9	CAEDF0000085764	1/8 - 1/4 Mile NW
B10	CAEDF0000130578	1/8 - 1/4 Mile WNW
B11	CAEDF0000005730	1/8 - 1/4 Mile NW
B12	CAEDF0000057839	1/8 - 1/4 Mile WNW
B13	CAEDF0000117475	1/8 - 1/4 Mile WNW
C14	CADWR9000000723	1/4 - 1/2 Mile West
D15	CAEDF0000079051	1/4 - 1/2 Mile WNW
C16	CAEDF0000082225	1/4 - 1/2 Mile West
D17	CAEDF0000075338	1/4 - 1/2 Mile WNW
C18	CAEDF0000113300	1/4 - 1/2 Mile West
D19	CAEDF0000047257	1/4 - 1/2 Mile WNW
D20	CAEDF0000086628	1/4 - 1/2 Mile WNW
D21	CAEDF0000037291	1/4 - 1/2 Mile WNW
D22	CAEDF0000091270	1/4 - 1/2 Mile WNW
C23	CAEDF0000072813	1/4 - 1/2 Mile West
D24	CAEDF0000128262	1/4 - 1/2 Mile WNW
D25	CAEDF0000141527	1/4 - 1/2 Mile WNW
C26	CAEDF0000110676	1/4 - 1/2 Mile West
D27	CAEDF0000137248	1/4 - 1/2 Mile WNW
D28	CAEDF0000034552	1/4 - 1/2 Mile WNW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C29	CAEDF0000105518	1/4 - 1/2 Mile West
C30	CAEDF0000008250	1/4 - 1/2 Mile West
C31	CAEDF0000036325	1/4 - 1/2 Mile West
D32	CAEDF0000065891	1/4 - 1/2 Mile WNW
C33	CAEDF0000032511	1/4 - 1/2 Mile West
E34	CAEDF0000042095	1/4 - 1/2 Mile West
D35	CAEDF0000040961	1/4 - 1/2 Mile WNW
D36	CAEDF0000137344	1/4 - 1/2 Mile WNW
C37	CAEDF0000127839	1/4 - 1/2 Mile West
C38	CAEDF0000075041	1/4 - 1/2 Mile West
D39	CAEDF0000071433	1/4 - 1/2 Mile WNW
D40	CAEDF0000133997	1/4 - 1/2 Mile WNW
C41	CAEDF0000122925	1/4 - 1/2 Mile West
C42	CAEDF0000087159	1/4 - 1/2 Mile West
E43	CAEDF0000129935	1/4 - 1/2 Mile West
D44	CAEDF0000033905	1/4 - 1/2 Mile WNW
E45	CAEDF0000015569	1/4 - 1/2 Mile WNW
D46	CAEDF0000037287	1/4 - 1/2 Mile WNW
D47	CAEDF0000074343	1/4 - 1/2 Mile WNW
C48	CAEDF0000099589	1/4 - 1/2 Mile West
E49	CAEDF0000126056	1/4 - 1/2 Mile West
D50	CAEDF0000131247	1/4 - 1/2 Mile WNW
D51	CAEDF0000042257	1/4 - 1/2 Mile WNW
D52	CAEDF0000067507	1/4 - 1/2 Mile WNW
E53	CAEDF0000121684	1/4 - 1/2 Mile West
D54	CAEDF0000070425	1/4 - 1/2 Mile WNW
55	CAEDF0000113033	1/4 - 1/2 Mile WSW
E56	CAEDF0000120816	1/4 - 1/2 Mile WNW
F57	CAEDF0000019764	1/4 - 1/2 Mile NNE
F58	CAEDF0000118979	1/4 - 1/2 Mile NNE
F59	CAEDF0000066401	1/4 - 1/2 Mile NNE
F60	CAEDF0000081066	1/4 - 1/2 Mile NNE
F61	CAEDF0000129916	1/4 - 1/2 Mile NNE
F62	CAEDF0000119816	1/4 - 1/2 Mile NNE
F63	CAEDF0000138923	1/4 - 1/2 Mile NNE
F65	CAEDF0000070075	1/4 - 1/2 Mile NNE
F66	CAEDF0000132043	1/4 - 1/2 Mile NNE
F67	CAEDF0000075839	1/4 - 1/2 Mile NE
F68	CAEDF0000020967	1/4 - 1/2 Mile NNE
F69	CAEDF0000067298	1/4 - 1/2 Mile NNE
F70	CAEDF0000057845	1/4 - 1/2 Mile NNE
F71	CAEDF0000093965	1/4 - 1/2 Mile NNE
F72	CAEDF0000072073	1/4 - 1/2 Mile NNE
F73	CAEDF0000097301	1/4 - 1/2 Mile NNE
F74	CAEDF0000061681	1/4 - 1/2 Mile NNE
F75	CAEDF0000003483	1/4 - 1/2 Mile NNE
F76	CAEDF0000089951	1/4 - 1/2 Mile NNE
F77	CAEDF0000112491	1/4 - 1/2 Mile NNE
F78	CAEDF0000052284	1/4 - 1/2 Mile NNE
F79	CAEDF0000111246	1/4 - 1/2 Mile NNE
F80	CAEDF0000056721	1/4 - 1/2 Mile NNE
F81	CAEDF0000033230	1/4 - 1/2 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

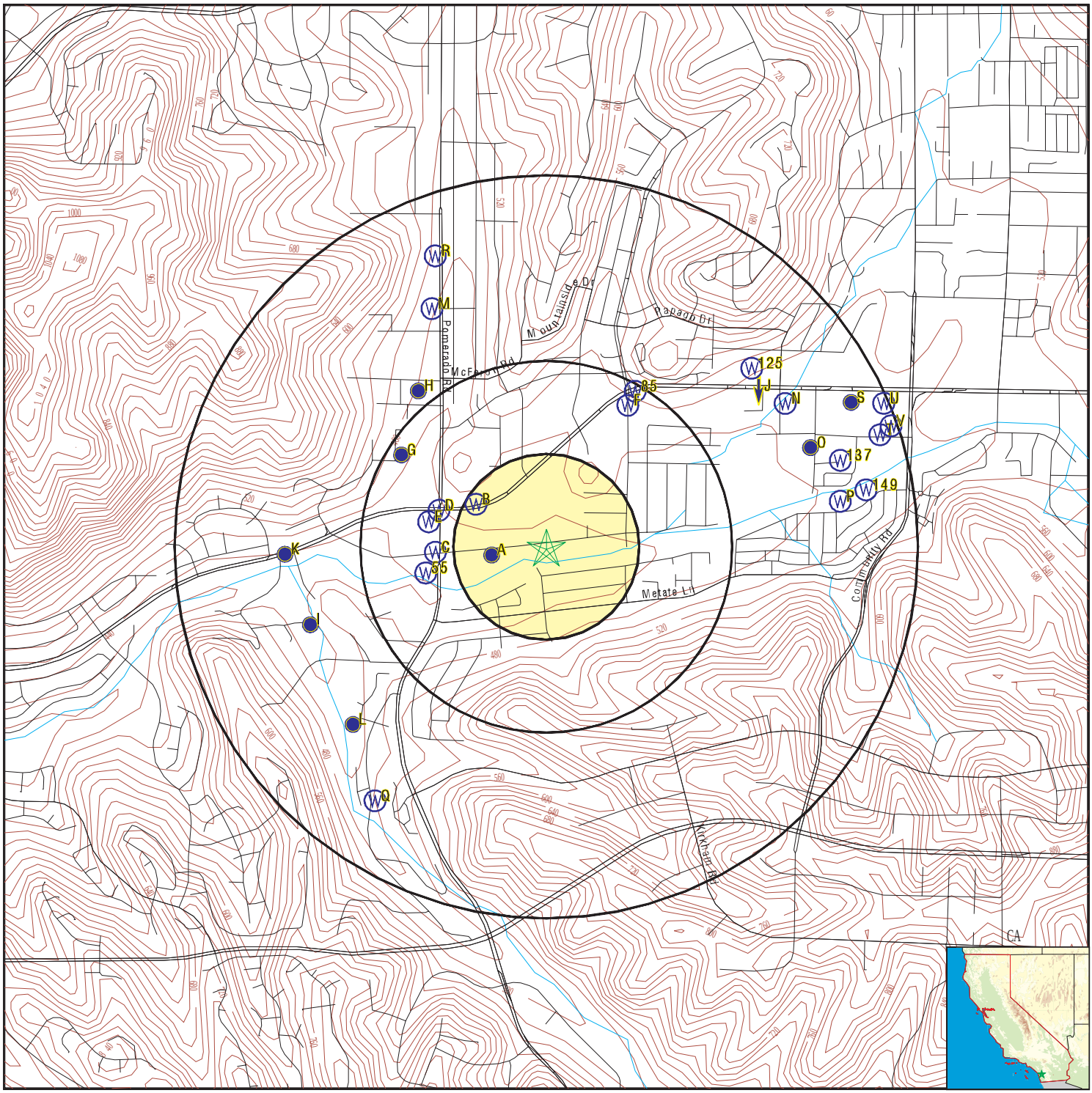
MAP ID	WELL ID	LOCATION FROM TP
F82	CAEDF0000104456	1/4 - 1/2 Mile NNE
F83	CAEDF0000076214	1/4 - 1/2 Mile NNE
F84	CAEDF0000112540	1/4 - 1/2 Mile NNE
85	CAEDF0000037738	1/4 - 1/2 Mile NNE
G86	CADWR9000000735	1/4 - 1/2 Mile WNW
H88	CADWR9000000745	1/2 - 1 Mile NW
J90	CAEDF0000095108	1/2 - 1 Mile NE
J91	CAEDF0000086197	1/2 - 1 Mile ENE
K92	CAUSGSN00014926	1/2 - 1 Mile West
J93	CAEDF0000022418	1/2 - 1 Mile NE
J96	CAEDF0000137264	1/2 - 1 Mile ENE
I97	CADWR9000000721	1/2 - 1 Mile WSW
M98	CAEDF0000058321	1/2 - 1 Mile NNW
J99	CAEDF0000033784	1/2 - 1 Mile NE
J100	CADWR9000000744	1/2 - 1 Mile NE
J101	CAEDF0000103267	1/2 - 1 Mile NE
J102	CAEDF0000128979	1/2 - 1 Mile NE
M103	CAEDF0000048328	1/2 - 1 Mile NNW
J104	CAEDF0000084612	1/2 - 1 Mile NE
J105	CAEDF0000141404	1/2 - 1 Mile NE
M106	CAEDF0000112781	1/2 - 1 Mile NNW
N108	CAEDF0000118933	1/2 - 1 Mile ENE
J109	CAEDF0000126488	1/2 - 1 Mile NE
M110	CAEDF0000001595	1/2 - 1 Mile NNW
M111	CAEDF0000134540	1/2 - 1 Mile NNW
M112	CAEDF0000082537	1/2 - 1 Mile NNW
J113	CAEDF0000094549	1/2 - 1 Mile NE
J114	CAEDF0000108439	1/2 - 1 Mile NE
J115	CAEDF0000070163	1/2 - 1 Mile NE
J116	CAEDF0000037092	1/2 - 1 Mile ENE
M117	CAEDF0000037477	1/2 - 1 Mile NNW
K118	CADWR9000000724	1/2 - 1 Mile West
K119	CADWR0000028624	1/2 - 1 Mile West
J120	CAEDF0000074676	1/2 - 1 Mile NE
L121	CADWR9000000717	1/2 - 1 Mile SW
O122	CADWR9000000736	1/2 - 1 Mile ENE
J123	CAEDF0000057196	1/2 - 1 Mile ENE
J124	CAEDF0000131016	1/2 - 1 Mile NE
125	CAEDF0000135778	1/2 - 1 Mile NE
J126	CAEDF0000084826	1/2 - 1 Mile NE
J128	CAEDF0000114173	1/2 - 1 Mile ENE
N129	CAEDF0000000045	1/2 - 1 Mile ENE
N130	CAEDF0000034512	1/2 - 1 Mile ENE
N131	CAEDF0000102045	1/2 - 1 Mile ENE
P133	CADWR0000015997	1/2 - 1 Mile East
P134	CADWR9000000726	1/2 - 1 Mile East
Q135	CAEDF0000051620	1/2 - 1 Mile SW
Q136	CAEDF0000007825	1/2 - 1 Mile SW
137	CAEDF0000107738	1/2 - 1 Mile ENE
Q138	CAEDF0000018403	1/2 - 1 Mile SW
Q139	CAEDF0000015747	1/2 - 1 Mile SSW
R140	CAEDF0000117802	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
R141	CAEDF0000125139	1/2 - 1 Mile NNW
R142	CAEDF0000052186	1/2 - 1 Mile NNW
R143	CAEDF0000122536	1/2 - 1 Mile NNW
R144	CAEDF0000078909	1/2 - 1 Mile NNW
R145	CAEDF0000054058	1/2 - 1 Mile NNW
R146	CAEDF0000137587	1/2 - 1 Mile NNW
R147	CAEDF0000024187	1/2 - 1 Mile NNW
R148	CAEDF0000018210	1/2 - 1 Mile NNW
S150	CAEDF0000014867	1/2 - 1 Mile ENE
S151	CADWR9000000743	1/2 - 1 Mile ENE
S152	CAEDF0000085193	1/2 - 1 Mile ENE
T153	CAEDF0000103292	1/2 - 1 Mile ENE
S154	CAEDF0000136489	1/2 - 1 Mile ENE
S155	CAEDF0000046973	1/2 - 1 Mile ENE
S157	CAEDF0000065619	1/2 - 1 Mile ENE
S158	CAEDF0000058627	1/2 - 1 Mile ENE
T159	CAEDF0000116772	1/2 - 1 Mile ENE
T160	CAEDF0000064241	1/2 - 1 Mile ENE
T161	CAEDF0000073008	1/2 - 1 Mile ENE
T162	CAEDF0000065067	1/2 - 1 Mile ENE
U163	CAEDF0000141018	1/2 - 1 Mile ENE
U164	CAEDF0000142038	1/2 - 1 Mile ENE
V165	CAEDF0000081109	1/2 - 1 Mile ENE
U166	CAEDF0000033381	1/2 - 1 Mile ENE
V167	CAEDF0000072696	1/2 - 1 Mile ENE
U168	CAEDF0000089258	1/2 - 1 Mile ENE
U169	CAEDF0000069748	1/2 - 1 Mile ENE
U170	CAEDF0000020056	1/2 - 1 Mile ENE
U171	CAEDF0000102756	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 6935042.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	12623 Oak Knoll Road	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	12623 Oak Knoll Road Poway CA 92064	CONTACT:	Cole Mikesell
		INQUIRY #:	6935042.2s
LAT/LONG:	32.950325 / 117.057621	DATE:	April 11, 2022 2:27 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000018870**

Well ID:	T0607302601-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-5		

A2
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000131312**

Well ID:	T0607302601-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-6		

A3
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000124108**

Well ID:	T0607302601-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-1		

A4
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000048478**

Well ID:	T0607302601-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000034997**

Well ID:	T0607302601-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-3		

B6
WNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000014419**

Well ID:	T0607302601-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-12		

A7
West
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000130054**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14P001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	59	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	15.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B8
NW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000035832**

Well ID:	T0607302601-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-4

B9
NW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000085764**

Well ID:	T0607302601-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-7

B10
WNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000130578**

Well ID:	T0607302601-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-8

B11
NW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000005730**

Well ID:	T0607302601-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-9

B12
WNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000057839**

Well ID:	T0607302601-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-10&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-10

B13
WNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000117475**

Well ID:	T0607302601-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302601&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302601&assigned_name=MW-11		

C14
West
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000000723**

State Well #:	14S02W14P001S	Station ID:	15568
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

D15
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000079051**

Well ID:	T0607301492-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-1		

C16
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000082225**

Well ID:	T0607399211-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D17
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000075338**

Well ID:	T0607300295-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-15		

C18
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000113300**

Well ID:	T0607399211-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-6		

D19
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000047257**

Well ID:	T0607301492-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-3		

D20
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000086628**

Well ID:	T0607301492-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D21
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000037291**

Well ID:	T0607300295-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-16		

D22
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000091270**

Well ID:	T0607301492-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-2		

C23
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000072813**

Well ID:	T0607399211-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-3		

D24
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000128262**

Well ID:	T0607300295-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D25
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000141527**

Well ID:	T0607300295-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-1		

C26
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000110676**

Well ID:	T0607300295-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-14		

D27
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000137248**

Well ID:	T0607300295-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-7		

D28
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000034552**

Well ID:	T0607301492-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C29
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000105518**

Well ID:	T0607399211-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-1		

C30
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000008250**

Well ID:	T0607399211-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-7		

C31
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000036325**

Well ID:	T0607399211-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-4		

D32
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000065891**

Well ID:	T0607300295-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C33
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000032511**

Well ID:	T0607301557-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-5		

E34
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000042095**

Well ID:	T0607300295-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-8		

D35
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000040961**

Well ID:	T0607300295-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-4		

D36
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000137344**

Well ID:	T0607300295-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C37
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000127839**

Well ID:	T0607301557-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-1		

C38
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000075041**

Well ID:	T0607301557-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-4		

D39
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000071433**

Well ID:	T0607300295-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-10		

D40
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000133997**

Well ID:	T0607301492-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301492&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301492&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C41
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000122925**

Well ID:	T0607399211-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399211&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399211&assigned_name=MW-2		

C42
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000087159**

Well ID:	T0607301557-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-3		

E43
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000129935**

Well ID:	T0607300295-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-13		

D44
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000033905**

Well ID:	T0607302452-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E45
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000015569**

Well ID:	T0607300295-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-6		

D46
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000037287**

Well ID:	T0607300295-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-17		

D47
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000074343**

Well ID:	T0607302452-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-5		

C48
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000099589**

Well ID:	T0607301557-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E49
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000126056**

Well ID:	T0607300295-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-11		

D50
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000131247**

Well ID:	T0607300295-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-18		

D51
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000042257**

Well ID:	T0607302452-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-2		

D52
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000067507**

Well ID:	T0607300295-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E53
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000121684**

Well ID:	T0607300295-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300295&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300295&assigned_name=MW-12		

D54
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000070425**

Well ID:	T0607302452-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-4		

55
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000113033**

Well ID:	T0607301557-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301557&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301557&assigned_name=MW-6		

E56
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000120816**

Well ID:	T0607302452-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302452&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302452&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F57
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000019764**

Well ID:	T0607300943-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-24		

F58
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000118979**

Well ID:	T0607300943-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-22		

F59
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000066401**

Well ID:	T0607300943-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-23		

F60
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000081066**

Well ID:	T0607300943-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-21		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F61
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000129916**

Well ID:	T0607300943-MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-25		

F62
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000119816**

Well ID:	T0607300943-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-19		

F63
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000138923**

Well ID:	T0607300943-CR-5	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-5		

G64
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000130073**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14M002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	6.00	Feet to sea level:	Not Reported
Note:	Not Reported		

F65
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000070075**

Well ID:	T0607300943-CR-4	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-4		

F66
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000132043**

Well ID:	T0607300943-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-20		

F67
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000075839**

Well ID:	T0607300943-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-18		

F68
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000020967**

Well ID:	T0607300943-MW-14A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-14A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-14A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F69
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000067298**

Well ID:	T0607300943-MW-14B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-14B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-14B		

F70
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000057845**

Well ID:	T0607300943-CR-3	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-3		

F71
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000093965**

Well ID:	T0607300943-MW-13A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-13A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-13A		

F72
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072073**

Well ID:	T0607300943-MW-13B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-13B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-13B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F73
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000097301**

Well ID:	T0607300943-CR-2	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-2		

F74
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000061681**

Well ID:	T0607300943-MW-12A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-12A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-12A		

F75
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000003483**

Well ID:	T0607300943-MW-12B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-12B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-12B		

F76
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000089951**

Well ID:	T0607300943-CR-6	Well Type:	MONITORING
Source:	EDF	Other Name:	CR-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=CR-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=CR-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F77
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112491**

Well ID:	T0607300943-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-15		

F78
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000052284**

Well ID:	T0607300943-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-5		

F79
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000111246**

Well ID:	T0607300943-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-16		

F80
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000056721**

Well ID:	T0607300943-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F81
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000033230**

Well ID:	T0607300943-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-1		

F82
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104456**

Well ID:	T0607300943-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-17		

F83
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000076214**

Well ID:	T0607300943-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-2		

F84
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112540**

Well ID:	T0607300943-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

85
NNE **CA WELLS** **CAEDF0000037738**
1/4 - 1/2 Mile
Higher

Well ID:	T0607300943-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300943&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300943&assigned_name=MW-6		

G86
WNW **CA WELLS** **CADWR9000000735**
1/4 - 1/2 Mile
Higher

State Well #:	14S02W14M002S	Station ID:	32300
Well Name:	Not Reported	Basin Name:	Not Reported
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

H87
NW **FED USGS** **USGS40000130086**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W14M001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	19.00	Feet to sea level:	Not Reported
Note:	Not Reported		

H88
NW **CA WELLS** **CADWR9000000745**
1/2 - 1 Mile
Higher

State Well #:	14S02W14M001S	Station ID:	15567
Well Name:	Not Reported	Basin Name:	Not Reported
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I89
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000130051**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W22A002S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	180	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	18.00	Feet to sea level:	Not Reported
Note:	Not Reported		

J90
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095108**

Well ID:	T0607300884-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-8		

J91
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086197**

Well ID:	T0607300941-MW17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW17		

K92
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00014926**

Well ID:	USGS-325700117040701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-325700117040701	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-325700117040701&store_num=
GeoTracker Data: Not Reported

J93
NE **CA WELLS** **CAEDF0000022418**
1/2 - 1 Mile
Higher

Well ID:	T0607300884-HP-5	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-5		

L94
SW **FED USGS** **USGS40000130045**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W23E001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	43.00	Feet to sea level:	Not Reported
Note:	Not Reported		

K95
West **FED USGS** **USGS40000130055**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W15R001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	39	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	16.00	Feet to sea level:	Not Reported

Note: Not Reported

J96
ENE **CA WELLS** **CAEDF0000137264**
1/2 - 1 Mile
Higher

Well ID:	T0607300941-MW16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW16		

I97
WSW **CA WELLS** **CADWR9000000721**
1/2 - 1 Mile
Lower

State Well #:	14S02W22A002S	Station ID:	39641
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

M98
NNW **CA WELLS** **CAEDF0000058321**
1/2 - 1 Mile
Higher

Well ID:	T06019785139-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW5		

J99
NE **CA WELLS** **CAEDF0000033784**
1/2 - 1 Mile
Higher

Well ID:	T0607300884-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J100
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000000744**

State Well #:	14S02W13M001S	Station ID:	15566
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

J101
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103267**

Well ID:	T0607300884-HP-6	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-6		

J102
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128979**

Well ID:	T0607300884-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-3		

M103
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000048328**

Well ID:	T06019785139-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J104
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084612**

Well ID:	T0607300884-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-7		

J105
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141404**

Well ID:	T0607300884-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-5		

M106
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112781**

Well ID:	T06019785139-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW6		

J107
NE
1/2 - 1 Mile
Higher

AQUIFLOW **34198**

Site ID:	Not Reported
Groundwater Flow:	S
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	16
Date:	06/07/1993

N108
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000118933**

Well ID:	T0607300941-MW15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW15

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW15

J109
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126488**

Well ID: T0607300884-HP-8 Well Type: MONITORING
Source: EDF Other Name: HP-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-8

M110
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000001595**

Well ID: T06019785139-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW2

M111
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134540**

Well ID: T06019785139-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW3

M112
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082537**

Well ID: T06019785139-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW1&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW1

J113
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000094549**

Well ID:	T0607300884-W-4	Well Type:	MONITORING
Source:	EDF	Other Name:	W-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-4		

J114
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108439**

Well ID:	T0607300884-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-2		

J115
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000070163**

Well ID:	T0607300884-HP-3	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-3		

J116
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037092**

Well ID:	T0607300941-MW14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW14		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M117
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037477**

Well ID:	T06019785139-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019785139&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019785139&assigned_name=MW4		

K118
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000000724**

State Well #:	14S02W15R001S	Station ID:	15569
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

K119
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000028624**

Well ID:	14S02W15R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	14S02W15R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=14S02W15R001S&store_num=		
GeoTracker Data:	Not Reported		

J120
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074676**

Well ID:	T0607300884-W-1	Well Type:	MONITORING
Source:	EDF	Other Name:	W-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=W-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=W-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
L121 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000000717**

State Well #:	14S02W23E001S	Station ID:	15573
Well Name:	Not Reported	Basin Name:	Not Reported
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

O122 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR9000000736**

State Well #:	14S02W13L002S	Station ID:	32298
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

J123 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000057196**

Well ID:	T0607300941-MW12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW12		

J124 **NE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000131016**

Well ID:	T0607300884-HP-2	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=HP-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=HP-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

125
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135778**

Well ID:	T0607300884-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-6		

J126
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084826**

Well ID:	T0607300884-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300884&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300884&assigned_name=MW-4		

J127
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000130085**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13M001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

J128
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114173**

Well ID:	T0607300941-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW13

N129
ENE **CA WELLS** **CAEDF0000000045**
1/2 - 1 Mile
Higher

Well ID: T0607300941-MW11 Well Type: MONITORING
Source: EDF Other Name: MW11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW11

N130
ENE **CA WELLS** **CAEDF0000034512**
1/2 - 1 Mile
Higher

Well ID: T0607300941-MW10 Well Type: MONITORING
Source: EDF Other Name: MW10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW10

N131
ENE **CA WELLS** **CAEDF0000102045**
1/2 - 1 Mile
Higher

Well ID: T0607300941-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300941&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300941&assigned_name=MW1

O132
ENE **FED USGS** **USGS40000130074**
1/2 - 1 Mile
Higher

Organization ID: USGS-CA
Organization Name: USGS California Water Science Center
Monitor Location: 014S002W13L002S Type: Well
Description: Not Reported HUC: 18070304
Drainage Area: Not Reported Drainage Area Units: Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	52	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	16.00	Feet to sea level:	Not Reported
Note:	Not Reported		

P133
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000015997**

Well ID:	14S02W13L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	14S02W13L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=14S02W13L001S&store_num=		
GeoTracker Data:	Not Reported		

P134
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000000726**

State Well #:	14S02W13P001S	Station ID:	32299
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Q135
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051620**

Well ID:	T0607357625-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW4		

Q136
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000007825**

Well ID:	T0607357625-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW3&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW3

137
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107738**

Well ID: T0607303209-MW-27
Well Type: MONITORING
Source: EDF
Other Name: MW-27
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-27&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-27

Q138
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018403**

Well ID: T0607357625-MW1
Well Type: MONITORING
Source: EDF
Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW1

Q139
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000015747**

Well ID: T0607357625-MW2
Well Type: MONITORING
Source: EDF
Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607357625&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607357625&assigned_name=MW2

R140
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117802**

Well ID: T0607302485-MW-9
Well Type: MONITORING
Source: EDF
Other Name: MW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R141
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125139**

Well ID:	T0607302485-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-1		

R142
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000052186**

Well ID:	T0607302485-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-6		

R143
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122536**

Well ID:	T0607302485-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-7		

R144
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000078909**

Well ID:	T0607302485-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R145
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000054058**

Well ID:	T0607302485-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-8		

R146
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000137587**

Well ID:	T0607302485-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-5		

R147
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000024187**

Well ID:	T0607302485-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-3		

R148
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018210**

Well ID:	T0607302485-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302485&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302485&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

149
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000130060**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13P001S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

S150
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014867**

Well ID:	T10000003618-MW4
Source:	EDF
GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW4&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW4
Well Type:	MONITORING
Other Name:	MW4

S151
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000000743**

State Well #:	14S02W13L003S	Station ID:	15565
Well Name:	Not Reported	Basin Name:	Poway Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

S152
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000085193**

Well ID:	T10000003618-MW3
Source:	EDF
GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW3&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW3
Well Type:	MONITORING
Other Name:	MW3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T153
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103292**

Well ID:	T0607303209-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-24		

S154
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136489**

Well ID:	T10000003618-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW1		

S155
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046973**

Well ID:	T10000003618-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003618&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003618&assigned_name=MW2		

S156
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000130083**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	014S002W13L003S	Type:	Well
Description:	Not Reported	HUC:	18070304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1969-09-01
Feet below surface:	13.00	Feet to sea level:	Not Reported
Note:	Not Reported		

S157
ENE **CA WELLS** **CAEDF0000065619**
1/2 - 1 Mile
Higher

Well ID:	T0607302655-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-13		

S158
ENE **CA WELLS** **CAEDF0000058627**
1/2 - 1 Mile
Higher

Well ID:	T0607302655-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-12		

T159
ENE **CA WELLS** **CAEDF0000116772**
1/2 - 1 Mile
Higher

Well ID:	T0607303209-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-21		

T160
ENE **CA WELLS** **CAEDF0000064241**
1/2 - 1 Mile
Higher

Well ID:	T0607303209-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-20		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T161
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073008**

Well ID:	T0607303209-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-19		

T162
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065067**

Well ID:	T0607303209-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-18		

U163
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141018**

Well ID:	T0607302655-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-11		

U164
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142038**

Well ID:	T0607303209-AGW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V165
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081109**

Well ID:	T0607303209-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-17		

U166
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033381**

Well ID:	T0607303209-AGW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-7		

V167
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072696**

Well ID:	T0607303209-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=MW-22		

U168
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089258**

Well ID:	T0607303209-AGW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-9		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U169
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069748**

Well ID:	T0607303209-AGW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-5		

U170
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000020056**

Well ID:	T0607303209-AGW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	AGW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303209&assigned_name=AGW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303209&assigned_name=AGW-6		

U171
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102756**

Well ID:	T0607302655-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302655&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302655&assigned_name=MW-7		

1G
NE
1/2 - 1 Mile
Lower

AQUIFLOW **34198**

Site ID:	Not Reported
Groundwater Flow:	S
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	16
Date:	06/07/1993

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92064	55	5

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92064

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.350 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

12623 Oak Knoll Road

12623 Oak Knoll Road

Poway, CA 92064

Inquiry Number: 6935042.8

April 11, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/11/22

Site Name:

12623 Oak Knoll Road
12623 Oak Knoll Road
Poway, CA 92064
EDR Inquiry # 6935042.8

Client Name:

Geocon Env. Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121-0000
Contact: Cole Mikesell

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1996	1"=500'	Acquisition Date: September 30, 1996	USGS/DOQQ
1989	1"=500'	Flight Date: August 14, 1989	USDA
1985	1"=500'	Flight Date: August 05, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1966	1"=500'	Flight Date: November 02, 1966	USGS
1964	1"=500'	Flight Date: April 08, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1949	1"=500'	Flight Date: February 16, 1949	USDA
1939	1"=500'	Flight Date: April 16, 1939	USDA

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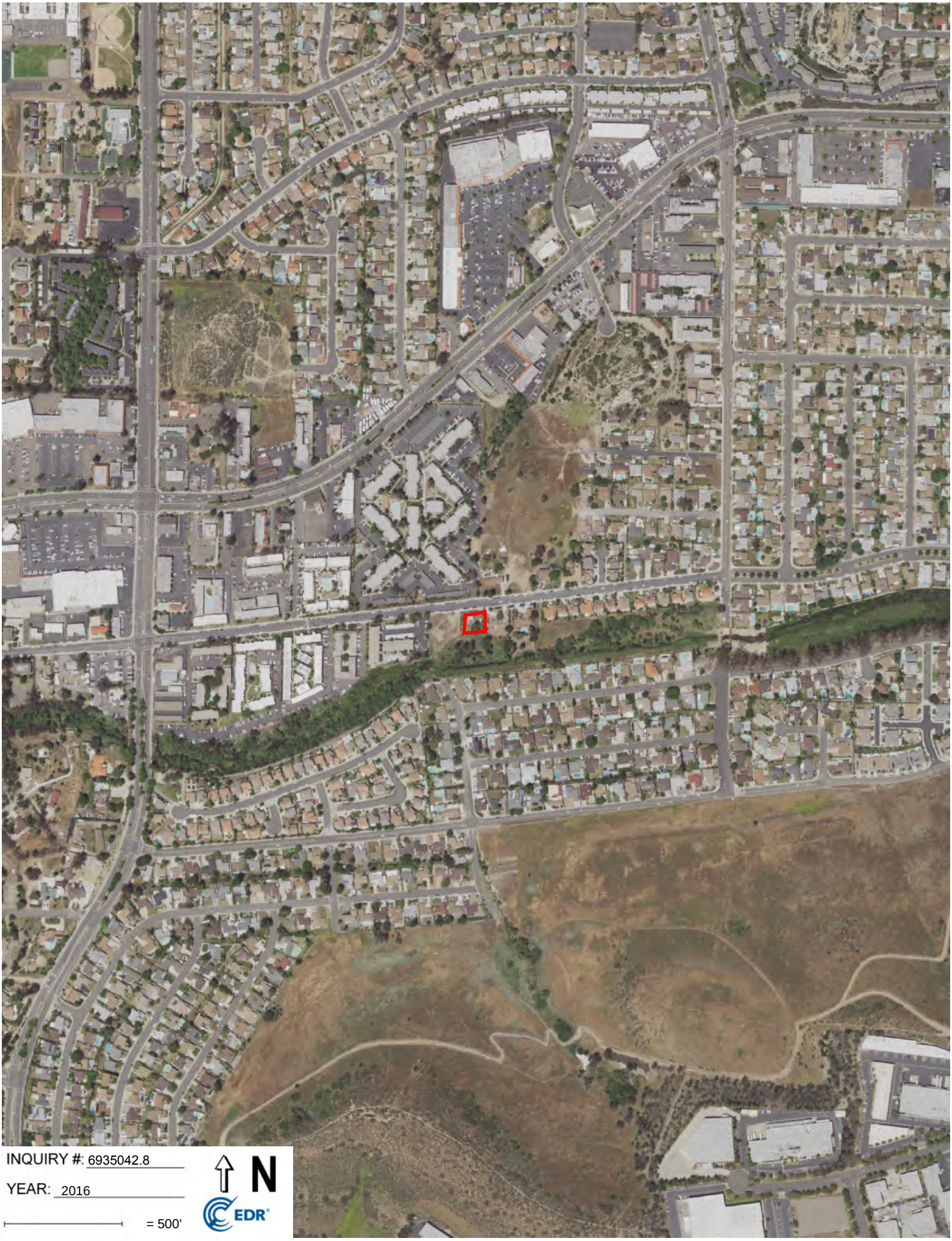
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YEAR: 2016
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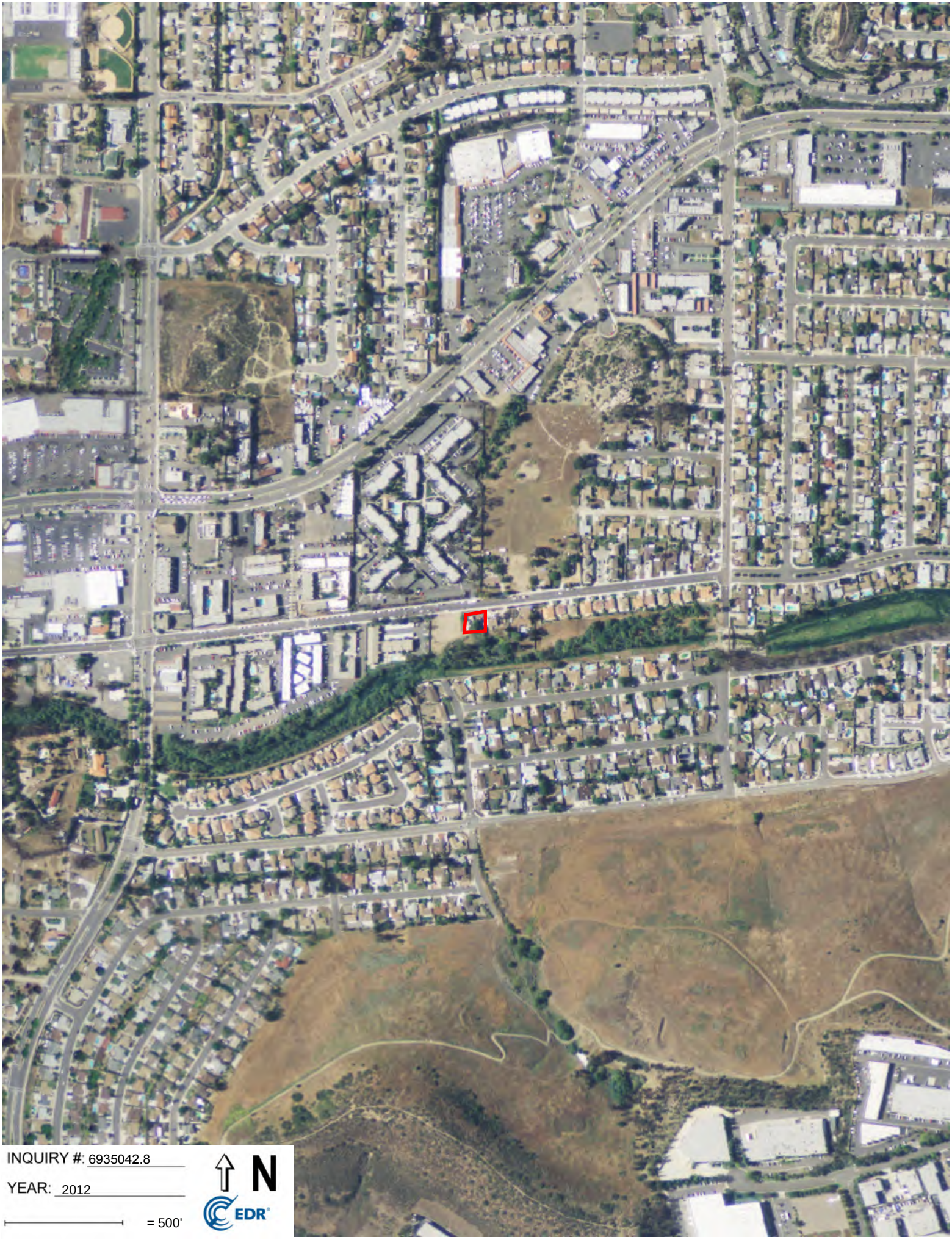
N
EDR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EDR

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EDR

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EDR

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YEAR: 2002
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EDR

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YEAR: 1996
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EDR
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EDR

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EDR

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YEAR: 1964
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EDR

INQUIRY #: 6935042.8

YEAR: 1953

= 500'

N

EDR

INQUIRY #: 6935042.8
YEAR: 1949
= 500'
N
EDR

INQUIRY #: 6935042.8

YEAR: 1939

= 500'

N

EDR

APPENDIX E

12623 Oak Knoll Road

12623 Oak Knoll Road

Poway, CA 92064

Inquiry Number: 6935042.4

April 11, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/11/22

Site Name:

12623 Oak Knoll Road
12623 Oak Knoll Road
Poway, CA 92064
EDR Inquiry # 6935042.4

Client Name:

Geocon Env. Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121-0000
Contact: Cole Mikesell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Geocon Env. Consultants, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# G2746-62-01A
Project: 12623 Oak Knoll Road

Coordinates:

Latitude:	32.950325 32° 57' 1" North
Longitude:	-117.057621 -117° 3' 27" West
UTM Zone:	Zone 11 North
UTM X Meters:	494614.27
UTM Y Meters:	3645781.46
Elevation:	454.59' above sea level

Maps Provided:

2018	1930
2015	1903
2012	
1996	
1975	
1967	
1952	
1942	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

Poway
2018
7.5-minute, 24000

2015 Source Sheets

Poway
2015
7.5-minute, 24000

2012 Source Sheets

Poway
2012
7.5-minute, 24000

1996 Source Sheets

Poway
1996
7.5-minute, 24000
Aerial Photo Revised 1996

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets

Poway
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets

Poway
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1952 Source Sheets

Poway Valley
1952
7.5-minute, 24000

1942 Source Sheets

Poway Valley
1942
7.5-minute, 31680

Topo Sheet Key

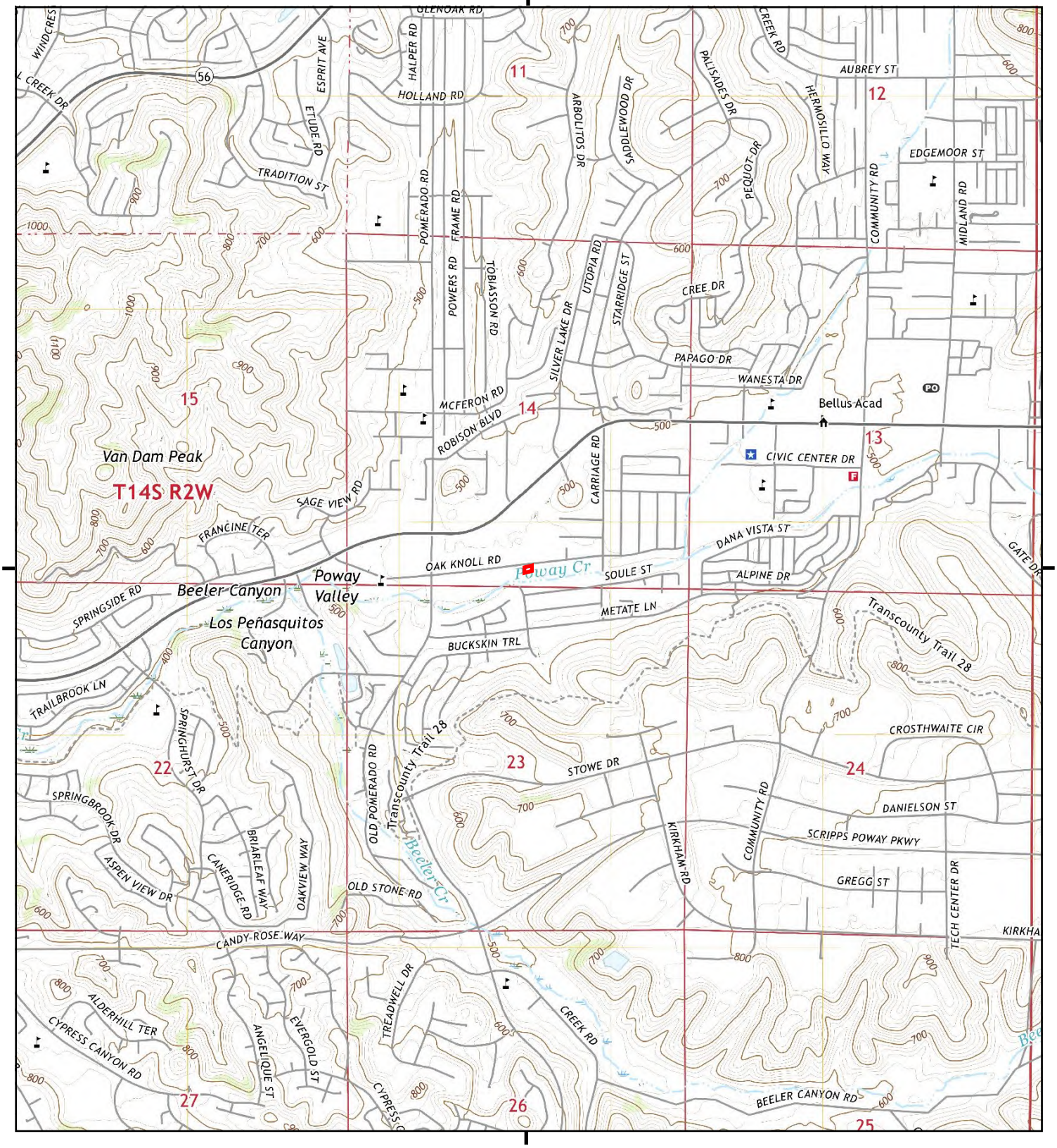
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1930 Source Sheets

La Jolla
1930
15-minute, 62500

1903 Source Sheets

La Jolla
1903
15-minute, 62500



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

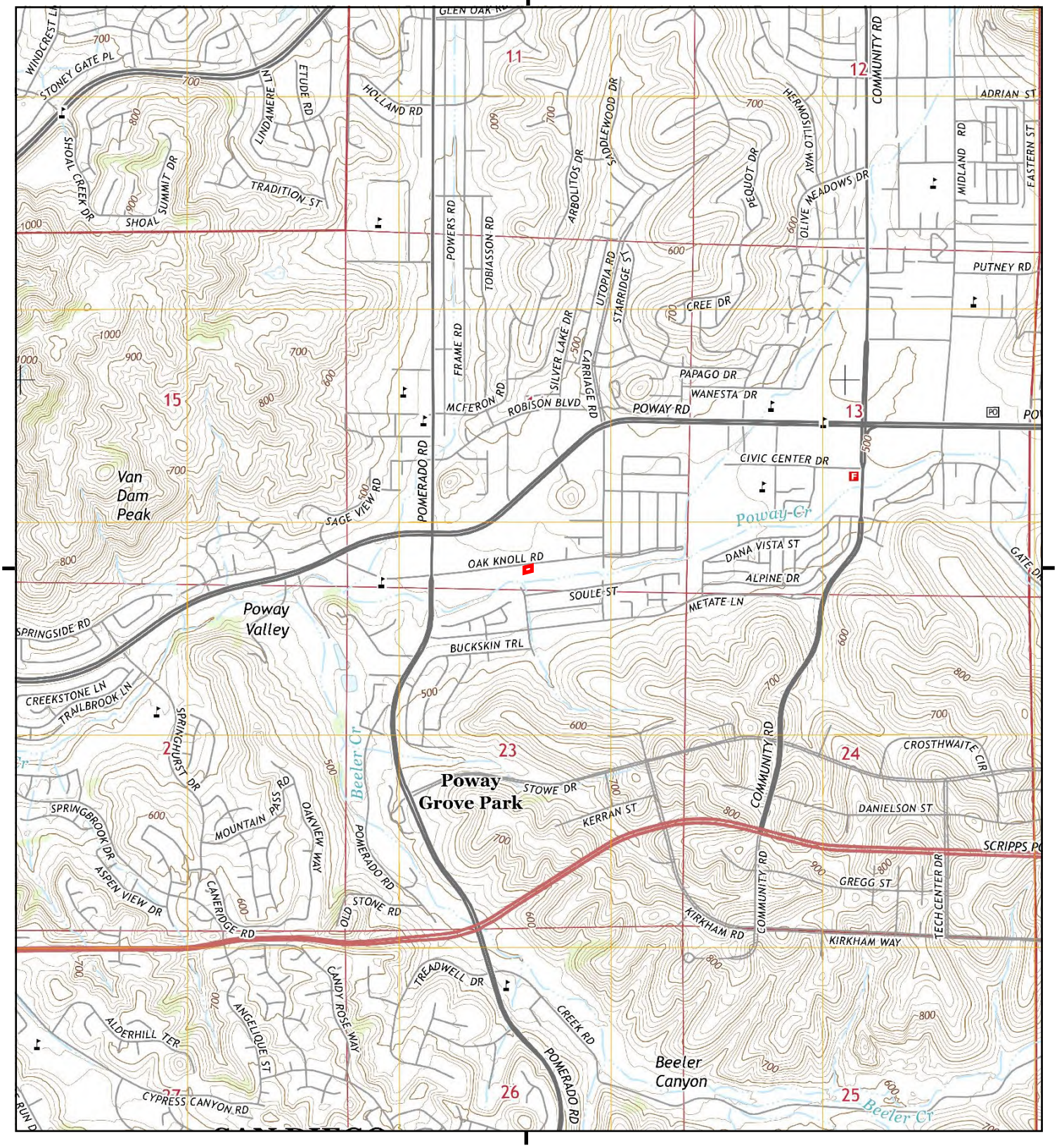
TP, Poway, 2018, 7.5-minute

SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

2015



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NW N NE
W E
SW S SE

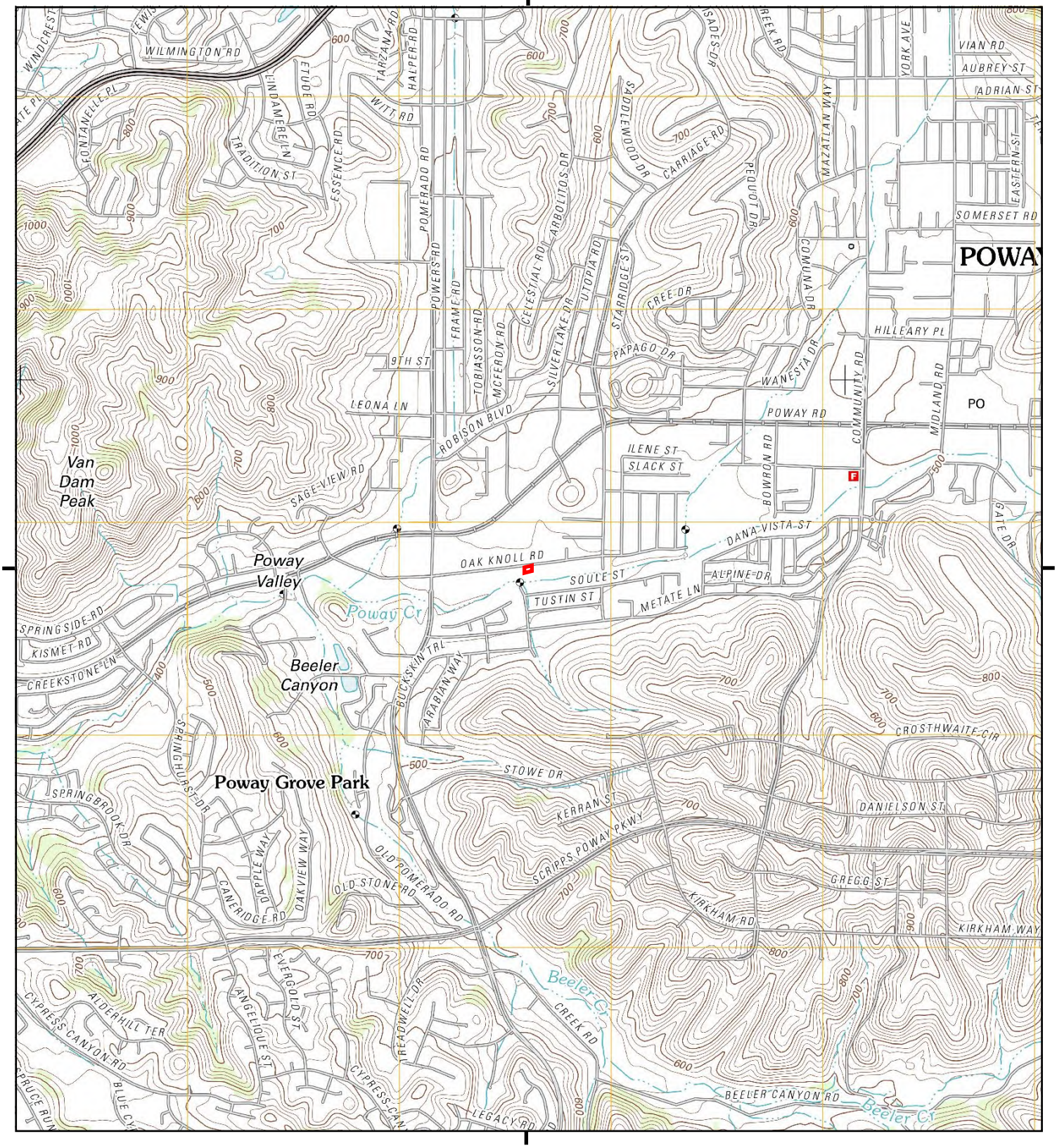
TP, Poway, 2015, 7.5-minute

SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

2012



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W E
SW S SE

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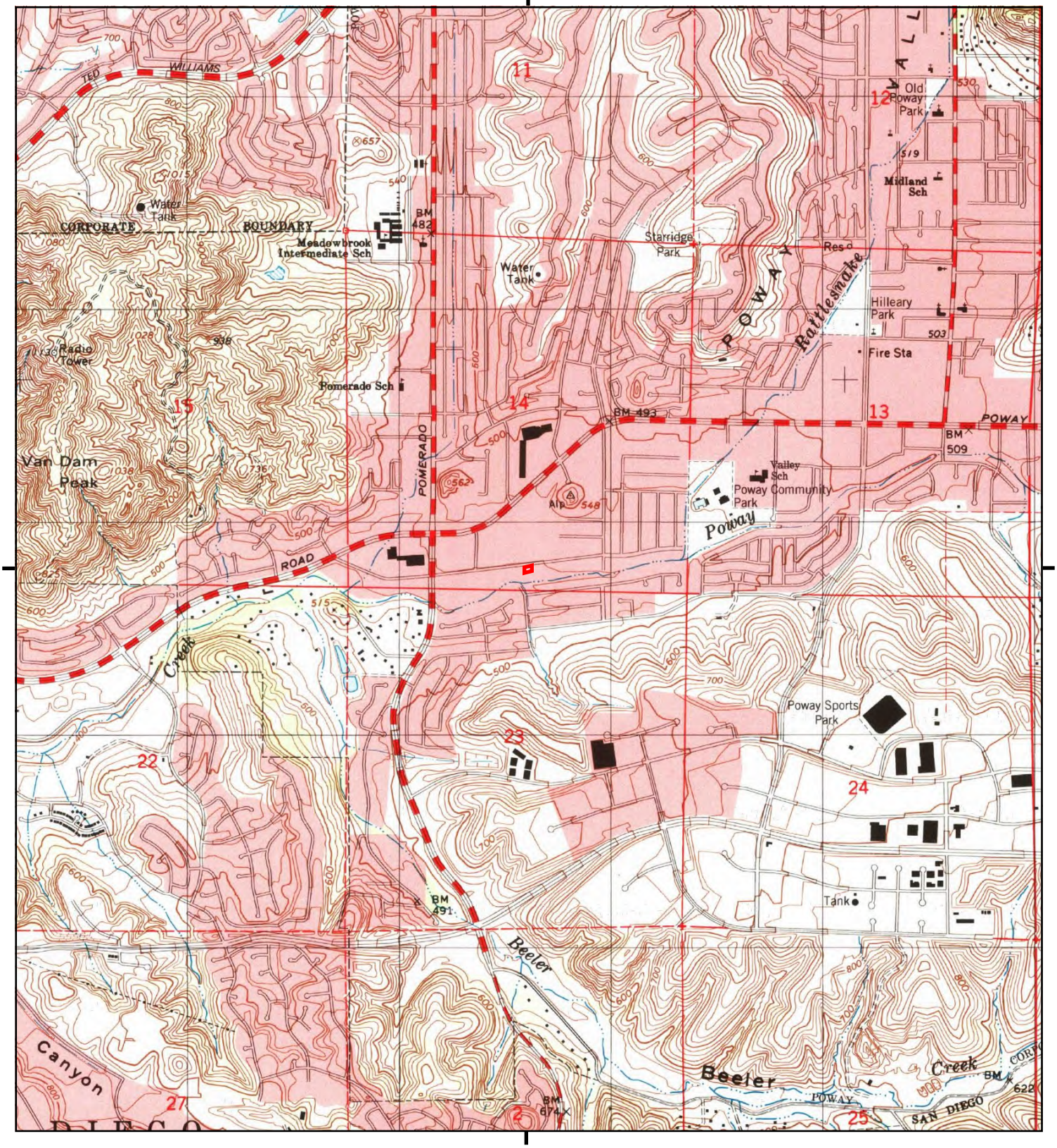
SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



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NW N NE
W E
SW S SE

TP, Poway, 1996, 7.5-minute

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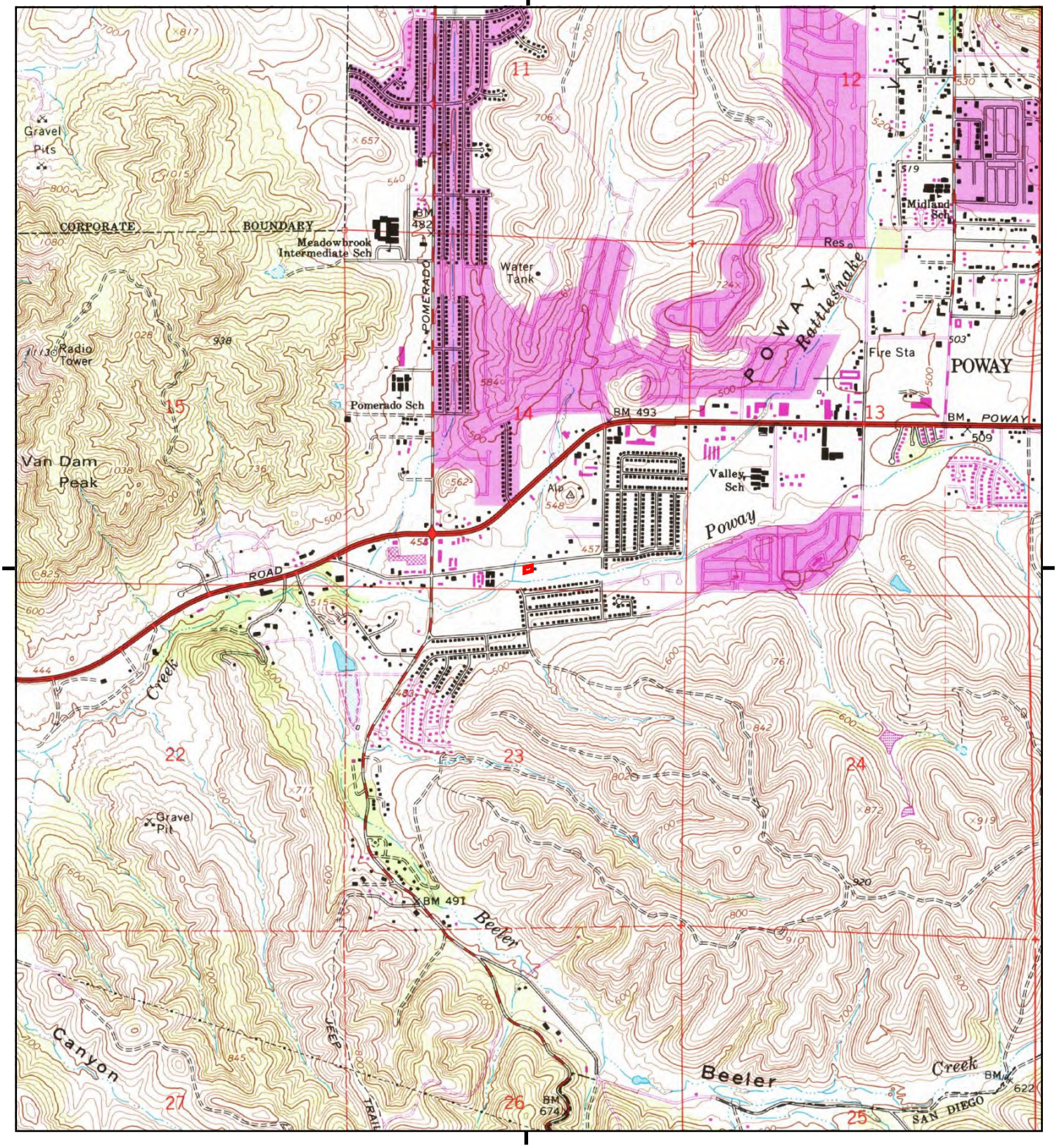
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1975



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NW N NE
W E
SW S SE

TP, Poway, 1975, 7.5-minute

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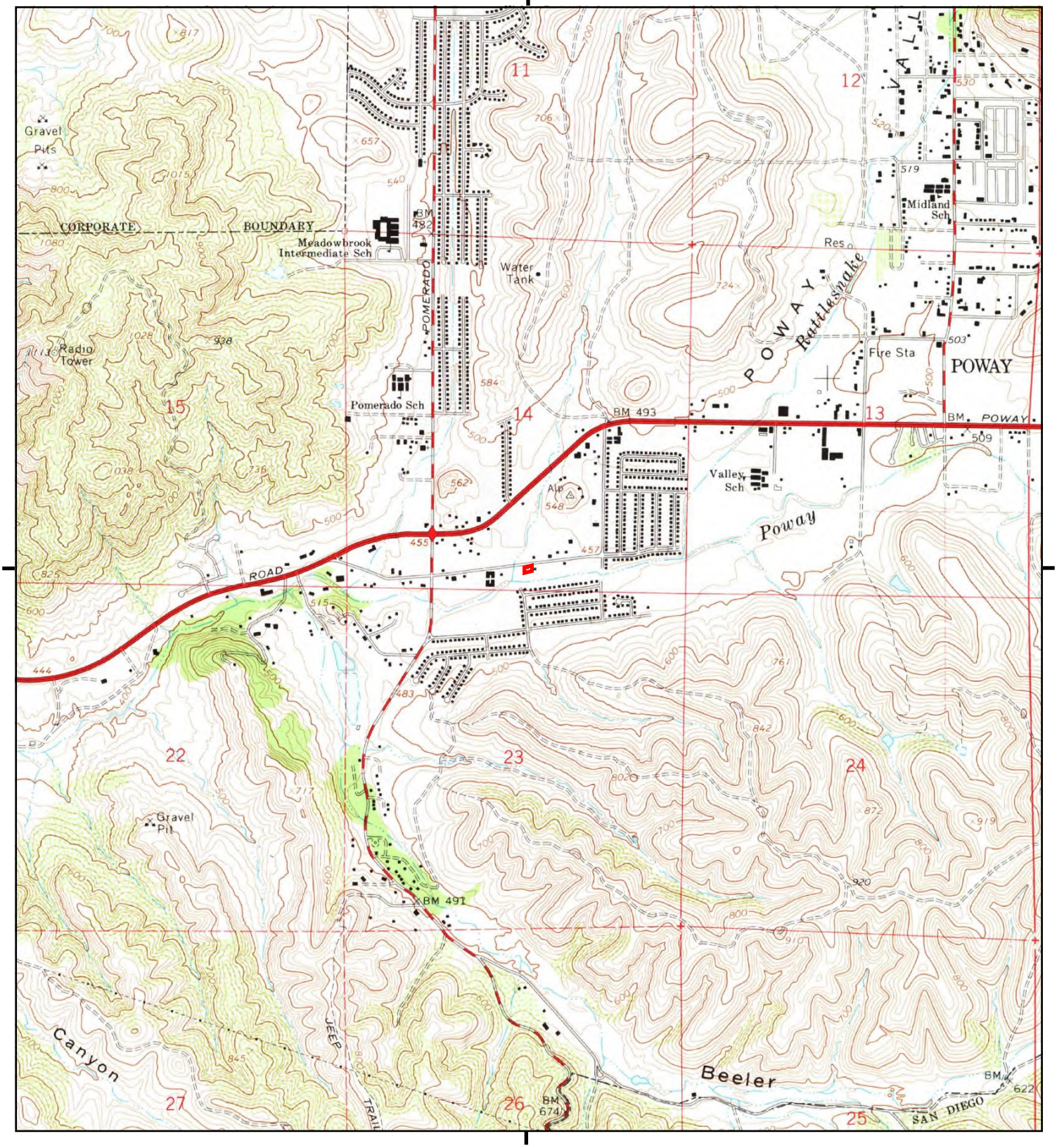
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



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NW N NE
W E
SW S SE

TP, Poway, 1967, 7.5-minute

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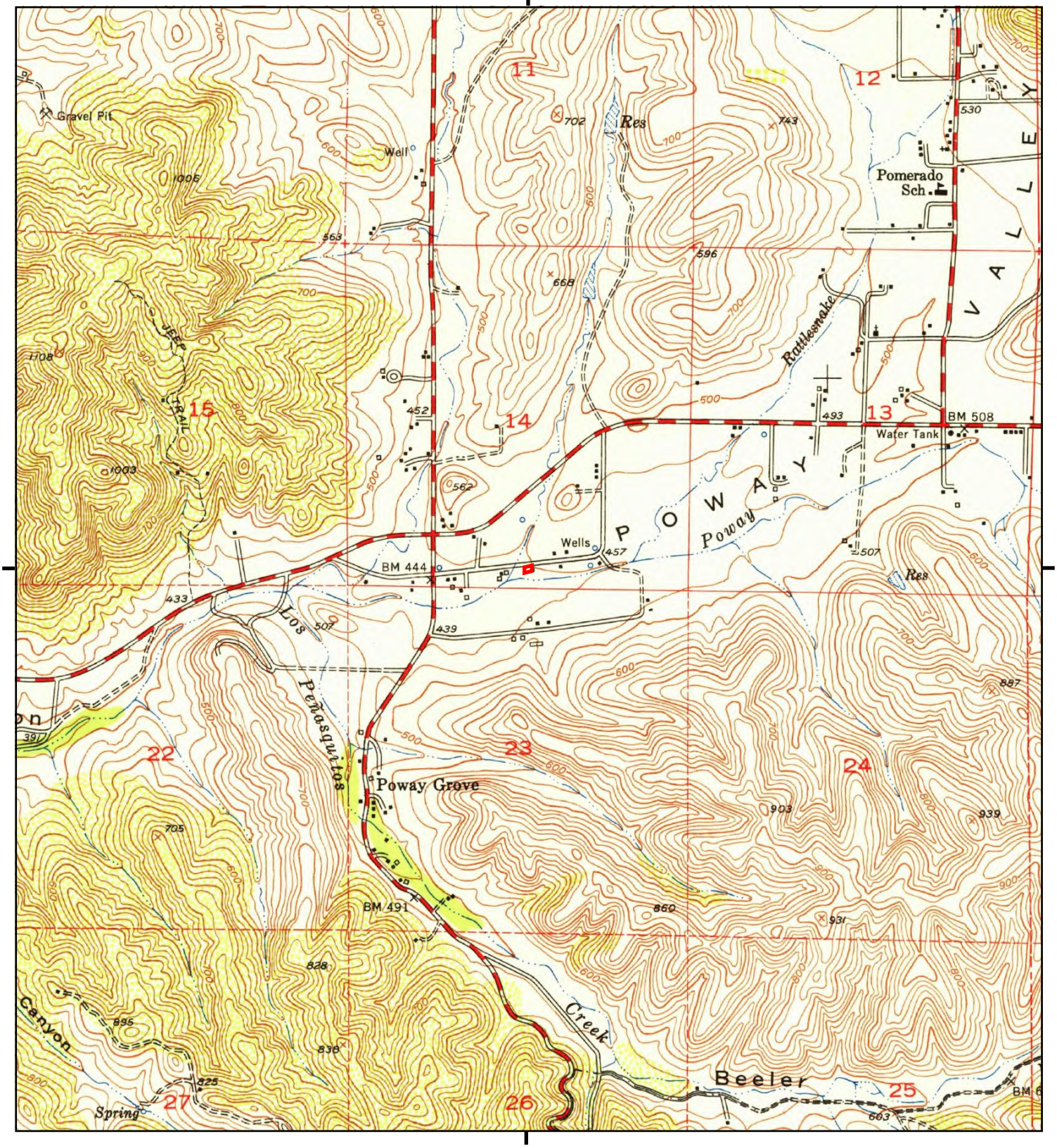
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



This report includes information from the following map sheet(s).

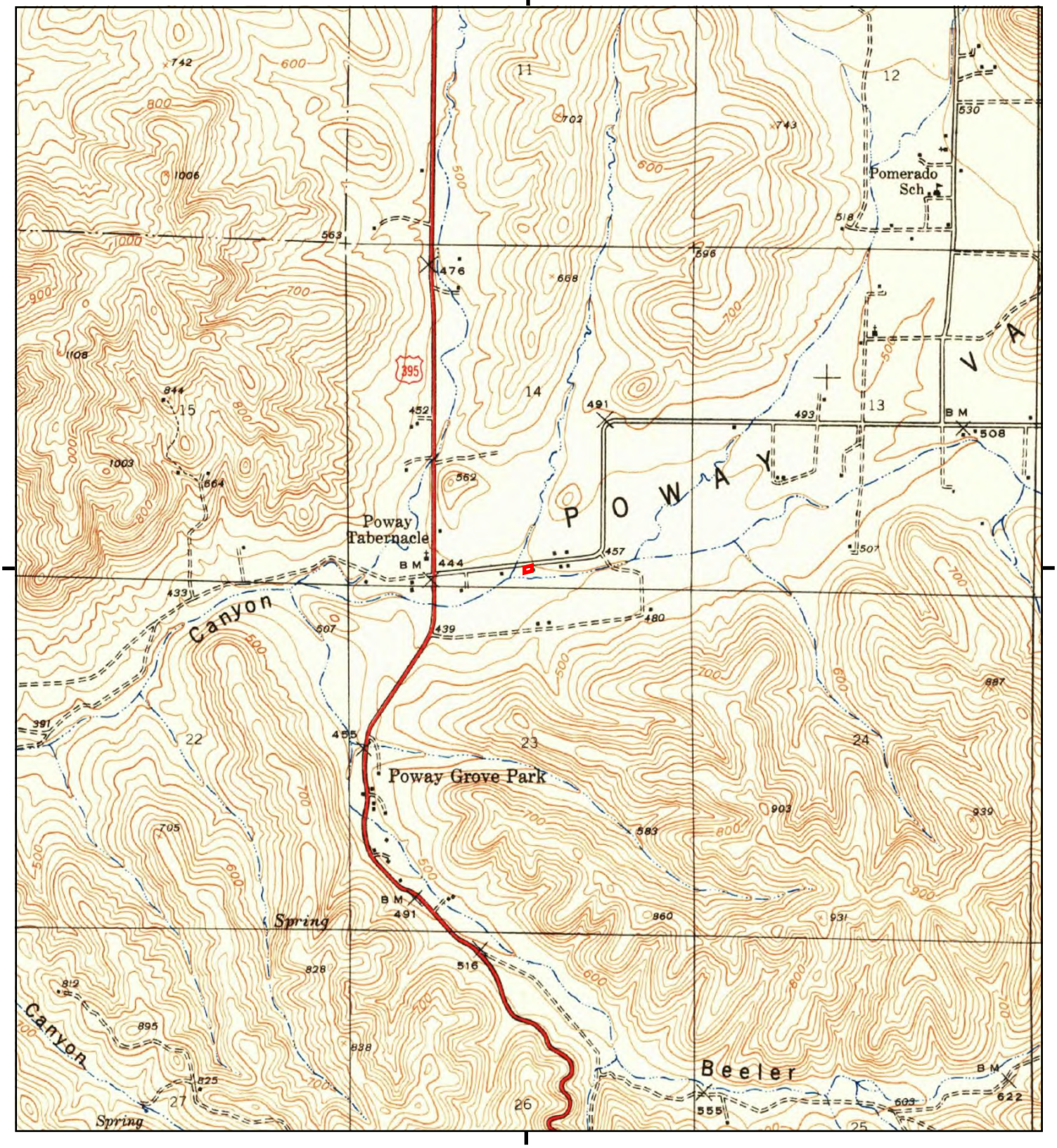
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Poway Valley, 1952, 7.5-minute

SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

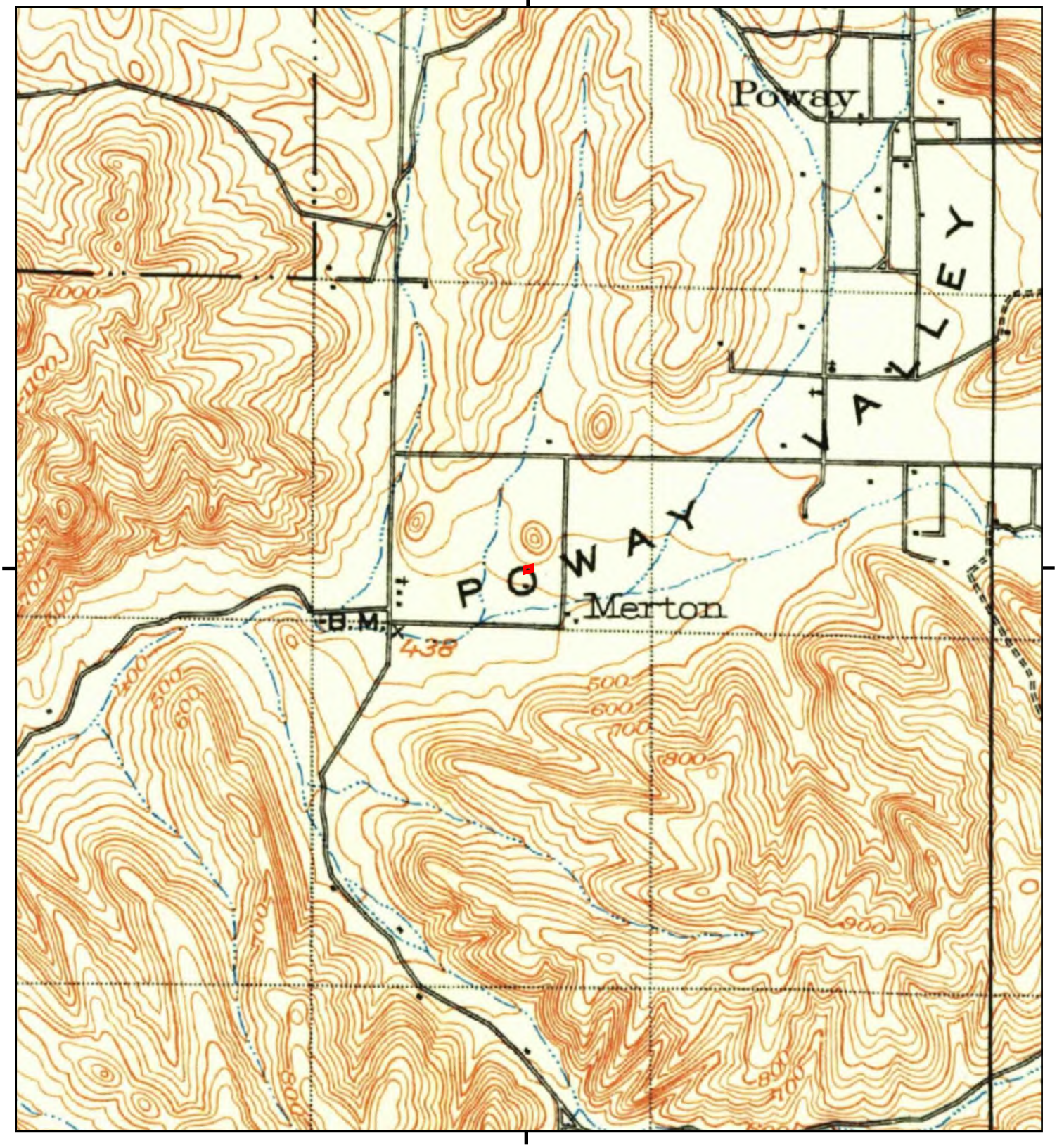
TP, Poway Valley, 1942, 7.5-minute

SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1930



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, La Jolla, 1930, 15-minute

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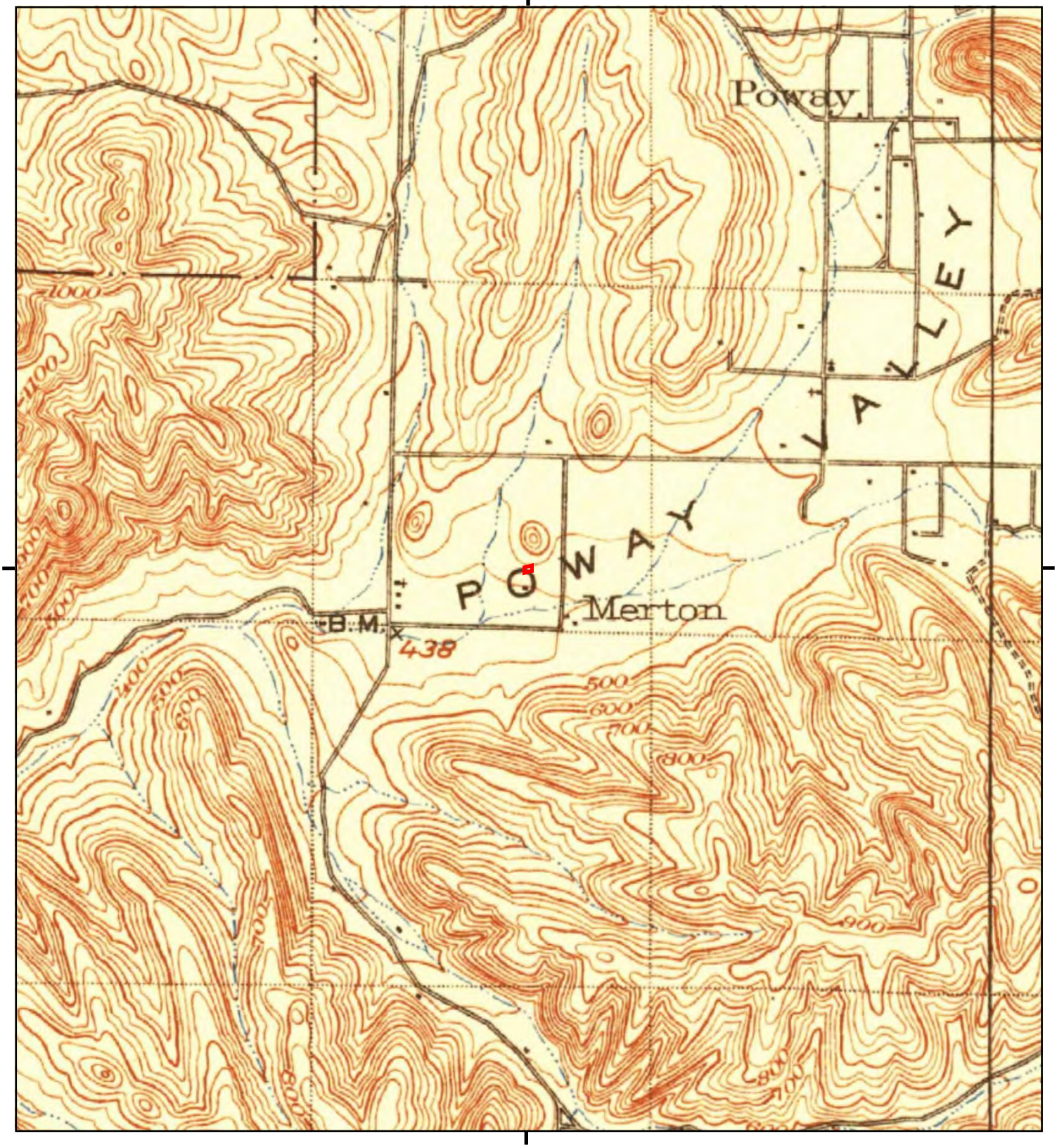
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1903



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, La Jolla, 1903, 15-minute

SITE NAME: 12623 Oak Knoll Road
ADDRESS: 12623 Oak Knoll Road
Poway, CA 92064
CLIENT: Geocon Env. Consultants, Inc.

N

APPENDIX F

12623 Oak Knoll Road
12623 Oak Knoll Road
Poway, CA 92064

Inquiry Number: 6935042.5
April 14, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1986	☑	☐	Haines Criss-Cross Directory
1982	☑	☐	Haines Criss-Cross Directory
1979	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

12623 Oak Knoll Road
Poway, CA 92064

Year	*CD Image*	*Source*

OAK KNOLL RD

2017	pg A2	EDR Digital Archive
2014	pg A10	EDR Digital Archive
2010	pg A19	EDR Digital Archive
2005	pg A27	EDR Digital Archive
2000	pg A37	EDR Digital Archive
1995	pg A44	EDR Digital Archive
1992	pg A49	EDR Digital Archive
1986	pg A52	Haines Criss-Cross Directory
1986	pg A53	Haines Criss-Cross Directory
1986	pg A54	Haines Criss-Cross Directory
1982	pg A55	Haines Criss-Cross Directory
1982	pg A56	Haines Criss-Cross Directory
1982	pg A57	Haines Criss-Cross Directory
1979	pg A58	Haines Criss-Cross Directory
1979	pg A59	Haines Criss-Cross Directory
1979	pg A60	Haines Criss-Cross Directory
1975	pg A61	Haines Criss-Cross Directory
1975	pg A62	Haines Criss-Cross Directory
1971	pg A63	Haines Criss-Cross Directory
1971	pg A64	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017

12440	ADAN, ANDRES J
	BUSH, BRYNN
	CEREZO, KIMVERLYN
	COOK, DOUGLAS M
	DE, GUZMAN
	DEGUZMAN, ARMANADO
	DEL, VILLAR
	DOWLING, CHRISTOPHER J
	ESPINO, ANGEL
	FARROW, JASON W
	FRANCO, CRISTINA
	HAHN, JEREMY A
	JIMENEZ, JAZMIN
	JUAREZ, JOEL
	LAURICIO, FELICIANO
	LIWANAG, VILMA
	MARANON, DENISE
	MENDOZA, MARIOMNE
	NORBELITO, CEREZO
	SANTOS, MOISES
	TOVAR, RALPH
12455	ADAMS, VICKI L
	AGUILERA, RUDY
	BECERRA, VINCENTE
	CALDERON, RAUL
	CARPENTER, NEIL
	CARTERON, JASON
	CISNEROS, SACRAMENTO
	CUEVAS, EDGAR B
	DORADO, DANIEL L
	ERG, KIEU B
	FERNANDEZ, VICTOR E
	GIBBS, LILLIAN
	GRANDE, FILOMENA P
	HAN, JIMIN
	HARTMAN, SUSAN L
	HERRERA, ITAYAA
	HIDALGO, MICHAEL P
	JACQUEZ, PATRICIA S
	KLINERT, BRANDON L
	LARRABEE, PAULA
	LAURICIO, ANGUSTIA M
	LOPEZ, SERGIO
	MASON, HENRI
	MATINGKA, AMIRA
	MCCALL, GLEN
	MENDOZA, LEOBARDO
	MORENO, BERNARDA
	MUNOZ, WENDY
	NAVARRO, SALVADOR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017 (Cont'd)

12455 OAK CREEK APARTMENTS
PAGE, KAYLEE
QUIJADA, NEYMAR
QUITUGUA, JUDYMAE D
REICHARD, B
REYES, EDDIE C
SCROGGIN, LORI S
TOBY, PHILIP A
TROYER, RICHARD S
12500 GERONIMO, LEONORA
POWAY PALMS
RAJ, MAHESH
ZURITA, HONORATA
12502 HUMPHREY, DENISE L
WIBOWO, DANNI
12504 HAMILL, BRUCE E
MASON, TERESA
RODRIGUEZ, BULMARO
12506 DELAY, STEVEN C
GALLO, NEAL R
MAGANA, CRISTINA
MARTINEZ, DEMECIO
12509 BASTANIALLAHABADI, NEGIN
CABRERA, CARMEN
CEDILLO, VALENTIN
DIGNAZIO, ALICE P
DONESA, DEREK L
ENGLAND, ROBERT F
GONZALEZ, ALFONSO
GOPEZ, ANDY G
GUERRA, MIGUEL
GUZMAN, SIMEON
HALE, LUPING
HASANI, FARZAD
HAUGH, JESSE
KHATRI, SEEMA
LIZARAGA, JORGE A
LOPEZ, ALEJANDRO
LOPEZ, JAIR
MCGRUE, REGGIE
MENDOZA, GUILLERMO M
MIRANDA, EUNICE
MOEHLENPAH, S
OLITOQUIT, LUIS
PEREZ, EDITH
RODRIGUEZ, CECILIA
ROMERO, ERNESTINA
ROSAS, FLORES L
SANTODOMINGO, JR
SONG, SUN K

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017 (Cont'd)

12509	VELAZQUEZ, PIEDAD R
	WOODS, RACHEL R
	ZAREI, SAIED
12510	ALI, AMIR
	ARGANA, CEZAR M
	ASI, AMELIA
	BARNETT, ADAM
	BENNETT, DARYLL M
	BERISHA, FERAT F
	BODEN, MARDY R
	CARRERA, ELEUTERIA
	CRAWFORD, ROBER
	CRUZ, RODRIGO
	DAWSON, BARBARA N
	FABIAN, DAISY
	HAGGERTY, WILLIAM E
	JOHNSON, DEBRA D
	LARA, ANGELICA
	ORANGE GARDEN
	PANALIGAN, ERNET A
	PICCOLO, TOM S
	PORTILLO, CAROL
	PREGO, ANDREA M
	RAMIREZ, TEODOR
	RENO, SONDRA
	REYNOLDS, RITA L
	ROGERS, SUSAN
	SOLORZANO, REFUGIO
	TORRES, JORGE
	WIDJAJA, STEFANUS
	YUN, SUSAN
12529	ANDERSON, DESIREE L
	BHATTACHARYA, JISHNU
	BLASINGAME, CELETA
	BYTYCI, NAZMI
	CARTER, TYESHA
	CHETISTER, ELAINE R
	DODY, PRISCILLA M
	GONZALEZ, JESSICA
	KOGURU, SRIKANTH
	LOPEZ, MARIA
	MARTINEZ, FRANCISCO
	MARTINEZ, YARELI
	NAPOLEON, NICHOLAS K
	QUINTANILLA, EVELYN
	ROMERO, DESIREE A
	SMITH, TAQUANA
	SOUTHWELL, KELLY
	TABORA, BELINDA
	TARIO, SEAN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017 (Cont'd)

12529	TRUDI C KAYSER INSURANCE SERVICES
	VAZQUEZ, CINTHIA
12532	BUCHWALD, PAUL K
	BUYYOLA, DEBBY
	CHASE, CURTIS M
	CHASE, THOMAS
	DACQUISTO, KAY D
	DANIEL, YOUEL A
	DELIA, MICHEAL
	FIGUERO, LERIO S
	GHODKE, ARCHANA
	GRIFFIS, GORDON
	GURROLA, DEBBY
	JOSHI, SANTOSH
	JOSHI, SANTOSHKUMAR
	KIRBY, JOAN E
	MILLER, JANINE L
	MILLER, STEVEN
	MYERS, MARK D
	NEWMAN, DAN
	PETRANGELO, DANIEL R
	POOLE, PHILIP A
	REYES, ADDIE
	SWINEY, MEGHANN
	VILLAFANA, GREGORY R
	WILD, FRIEND
12540	AYALA, CORRIE
	DONN, BRYAN
	HAMMERSLEY, LINDA S
	HODGE, NAKYSHA
	JONES, MARILYN C
	KANKANAMGE, CHAROON
	KANKANAMGE, KAUSHALYA
	KLINGBERG, TERRY A
	LIGSAY, RONALD B
	LIWANAG, REXIE S
	MURPHY, AMY
	NORRISS, JOHN
	ONDERIK, MARCY A
	PARKS, JENNIFER J
	SHOWERS, CAROL A
	SKILTON, ZACK D
	SOLIS, FRANCISCO
	SUN, SHUGUANG
	TOLEDO, NICOLAS
12547	ARELLANO, MARITZA
	BASTIDA, SANTOS G
	CEDILLO, MANUEL J
	HERNANDEZ, HUGO
	HERNANDEZ, JOSE

OAK KNOLL RD 2017 (Cont'd)

12547 MARCOS, ESTEBAN P
MORALES, ROBERTO
VELASQUEZ, ERNESTO F
VISUET, ALEJANDRO
12548 ALVINES, JESUS
ARREDONDO, VICTOR A
CHRISTENSEN, BRITTNY A
CHRISTIANSEN, RODNEY J
DANIEL, CHARLES O
DELUCA, BENJAMIN A
DIAZ, RAUL
GARCIA, ANDREA L
HILL, DON W
HWANG, JOANNE
KAUSEN, CHRISTOPHER
MCINTOSH, TAYLOR
MCWILLIA, KRISTA L
NEILL, BEN I
OLIVAS, NORMA
PAGE, NAGHMEH
PENNER, ELYSE M
PITTS, CORTNEY M
QUIROZ, LIZETH R
RUIZ, GOMEZ
SHEETS, BRIANNA N
SMITH, NYRENE C
THOMAS, GLEN
WASHINGTON, JEROME
12551 ALONZO, ISRAEL
BOLANOS, NANCY
CEDILLO, FELIPE I
MARTINEZ, JOSEFA L
PASTRANA, MANUEL
SACRISTAN, GLADYS
VEGA, JUAN L
12556 COUNTRYSIDE APARTMENTS
12564 ARMENTA, JOSE A
ARREDONDO, VICTOR
AVERY, MASON
BAINER, CASSANDRA C
BENEDICT, NEIL T
BREAZEALE, JOJO
DECARLOZ, LILIANA
DIXON, C
DOGGETT, DERRICK S
ESPIRITU, KENNETH A
FULLER, ANDREW C
GEORGE, VALERIE J
JONES, SEAN D
LABOZZETTA, MICHAEL D

OAK KNOLL RD 2017 (Cont'd)

12564	LOCKYER, ADAM T
	MORK, RONNIE L
	MOYER, DAYNA
	PADILLA, SUZIE M
	PEART, CIERA
	PENNER, AUBREY A
	PICKARD, SUSAN L
	ROBISON, LESLIE A
	SANCHEZ, JACQUE
	STAHLBERGER, ROSEANNE M
	SWEENY, MARK L
	WAGEMAN, BETTY
12572	BARRAZA, PATRIC
	CORDOVA, RAY
	ESPINOSA, MICHAEL
	HARRINGTON, DIANE L
	JOHNSON, PATRICIA
	JOHNSTON, PHILIP
	KIM, BO Y
	LAWRENCE, FRANKLIN R
	MARTINEZ, MARIO T
	MILLER, WILLIAM C
	MINICK, WILLIAM E
	SIGLE, CLAUDIA J
	THOMAS, JESSICA J
	THOMPSON, RICK L
	VOLLRATH, VIVIANA
	VOLLRATH, WILLIAM
	VOLZ, DAVID T
	WIKLUND, YVONNE W
	WOROBIEFF, SHIRLEY
12580	ANDRULONIS, MARIA T
	BITSKO, BRUCE A
	GHARABAGHLI, SEAN R
	HAWKINS, THOMAS G
	IVERSON, KELLIE
	LAMBERT, SANDRA G
	LEDDA, NEIL
	MARTINEZ, ELIAS
	MOGGE, MARTIN J
	ORTIZ, JAIME
	ROBSON, TREVOR C
	RUIZ, CASTILLO
	RUIZ, JOSE C
	TIPPETT, CLAUDIA
	WEST, CHRISTOPHER
	WILLIAMS, DAVID R
	WILLIAMS, PORSHA F
12588	ALARCON, MARFREN T
	BARRON, LUIS A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2017 (Cont'd)

12588	BURNEY, LISA A
	CALVILLO, MYRA
	CRAWFORD, BIANCA
	DESROSIERS, JOSETTE
	HALL, ARTHUR J
	HALL, JAMES
	HERRERA, MONIQUE Y
	JOHNSON, JENN
	LAMOTHE, KEVIN
	MIRANDA, LARRY C
	MOSAVAR, SHADI
	OZUNA, GLORIA M
	PASENELLI, NICOLE M
	PEREZ, BRIAN
	PINA, DAVID
	RHYNES, MARY
	RICHARDSON, STEVEN J
	RIVERA, GISELLE
	RODRIGUEZ, CRISTINA R
	SNYDER, HEIDI C
	TSEGLIN, NATE L
	VACA, JOSE
	WILLIE, DANA C
	WORTHEN, RONALD T
12596	ARTAP, DUMAGUE
	MARGAM, SHRINIVAS
	MASOMABADI, SOROUSH
	NULTON, STACEY
	SCHILLER, KATHRYN D
12604	ACOSTA, MARTHA E
	AGHMAGANI, MANSOUR
	CHUNG, HONG Y
	ERLER, JOHN V
	GARRIDO, CHARLES
	GONZALES, FRED
	IBRAHIM, AMAL
	KEIL, TYLER J
	KNIGHT, VANESSA R
	LABIN, CHRISTINA A
	OORD, JOSEPH
	PARTAIN, HEATHER E
	PARTAIN, RICKY W
	PRECIADO, MARIA T
	RAMOS, LUCIANO
	RICHMOND, KATHERINE D
	SILVA, JOHN J
	SOWELL, AMANDA
	VARGAS, EMILIO M
12612	ADLAO, CHRISTIAN R
	AMAT, ROBERT R

OAK KNOLL RD 2017 (Cont'd)

12612	AREVALO, JENNIFER R
	BOTTLE, IVY
	CRYAN, JAMES A
	CURTIS, JOSE
	EDWARDS, LAUREN
	FRENIERE, LISA R
	HOVIS, LEROY
	JEWSON, CAMILLE
	LEBELLE, HAE S
	LEYBAG, RONALD
	MCERLAIN, DEBORAH D
	MINK, JOANNE
	OCAMPO, MYRNA G
	OWENS, ELENAOR
	PASCHAL, EMERI
	RAMOS, ROSANA Q
	ROUT, KAREN
	SIMMONS, LINDA
	STATEN, JOANNA
	STREEPER, JOE
	TESSLER, IVY M
	WEIS, ALLEN
	WHEELER, FRANK E
	ZALMAN, MARBETH L
12623	CLEMMONS, JULIE
12624	URENA, DON L
12625	GUERRERO, JERRY L
12643	REESE, JONATHAN M
12650	TORRE, FAUSTO
12653	MONTENEGRO, EDWARD R
12665	EGAN, MATTHEW J
12677	HANDY, JACOB R
12695	HENDRICKSON, TROY D
12701	CHILDERS, JON C
12702	ORTIZ, VICENTE
12709	LAU, LENNY
12715	MISNER, CAROL L
12720	KEIL, RON O
12721	ALLEN, JAMES
12724	CHIU-CHUNG, H
12727	KOENIG, MARK D
12732	HOLM, JASON C
12735	DAVIS, REED
12736	CONTRERAS, DAVID G
12742	MOREL, RICHARD A
12749	FURR, DALE A
12750	BETTINGER, WILLIAM V

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2014

12440	BALBAGO, GLADYS M
	BUSH, BRYNN
	CEREZO, KIMVERLYN
	CISNEROS, ALBERTO
	COOK, DOUGLAS M
	DE, GUZMAN
	DEGUZMAN, ARMANDO
	ESPINO, ANGEL
	FRANCO, CRISTINA
	GARCIA, VICTOR
	HAHN, JEREMY A
	HERNANDEZ, ALFREDO
	JUAREZ, JOEL
	LIWANAG, VILMA
	MARTINEZ, PEDRO
	NORIEGA, JAVIER A
	OAK MANOR APARTMENTS
	OSORIO, ROMAN
	SANTOS, MOISES
	SILVA, BEVERLY J
	TOVAR, RALPH
	TUNCBILEK, ALI
	URQUIZ, RENE
12455	ADAMS, VICKI L
	ANGUIANO, SERGIO
	APARICIO, ESTEBAN
	ARREDONDO, VERONICA
	AVALOS, MINERVA
	CALDERON, RAUL
	CLARKE, JASON
	CORONEL, JOHN
	CORTEZ, MIGUEL
	CUEVAS, EDGAR B
	DENIGRO, MINDY L
	FABIAN, OFELIA
	GROTZ, PAUL V
	HA, KIM
	HARKONEN, ANGELA N
	HATHAWAY, MARK
	HERRERA, ITAYAA
	HYNES, THOMAS G
	INMAN, JOSEF
	JACQUE, PATRICIA S
	KALIETA, JEROME C
	LUCHES, MARY C
	MARTINEZ, ISMAEL
	MASON, HENRI
	MENDOZA, LEOBARDO
	MONTES, MIGUEL
	QUITUGUA, JUDYMAE D

OAK KNOLL RD 2014 (Cont'd)

12455 RA SNYDER OAK CREEK APARTMENTS
RAMGOPAL, THIRUVENGADA
REYES, EDDIE C
SALINAS, IVAN
SCROGGIN, LORI S
SELMERON, JESEL
VEGA, ANGELICA
VILLEGAS-BECERRA, IRMA
12500 OSEGUERA, PATRICIA N
POWAY PALMS
RAJ, MAHESH
SHEN, YUAN
ZURITA, HONORATA
12502 HUMPHREY, DENISE L
MANUEL, MARKJOHN
WIBOWO, DANNI
12504 LEDDA, BELEN M
RODRIGUEZ, BULMARO
12506 GILES, ELIZABETH A
MAGANA, CRISTINA
12509 ACIRE, ERICA
AGINAGA, JOSE
AYERS, RYAN C
BASTANIALLAHABADI, NEGIN
BYTYCI, QIBRIJE
CABRERA, CARMEN
CARDENAS, NERY R
CEDILLO, VALENTIN
DONESA, DEREK L
DORAME, FRANCISCO
ENGLAND, ROBERT F
FLOJO, MARIA
GABRIEL, AUDREY M
GARCIA, FEDERICO S
GOLDEN, WILLIAM
GUERRA, MIGUEL
GUERRA-ROSALES, IRMA
GUSMAN, JULIA
GUTIERREZ, BELS
GUZMAN, SIMEON
HAUGH, JESSE
JIMENEZ, ELENA R
LESURE, RACHEL
LIZARRAGA, DAVID I
MCBRIDE, CHRISTINA
MENDOZA, GUILLERMO
MIRANDA, EUNICE
MOEHLENPAH, S
OAK KNOLL VILLA
OSUNA, JESUS M

OAK KNOLL RD 2014 (Cont'd)

12509 PEREZ, SANDRA
PINA, DAVID
REMECZKI, RAYMOND F
REYES, REYNALDO
RIVAS, LUCILA
RODRIGUEZ, CECILIA
ROMER, ERNESTINA
ROSAS, FLORES L
SONG, SUN K
TAYLOR, LOTA P
WOODS, RACHEL R
ZAREI, SAIED
12510 ARGANA, CEZAR M
ASCOLILLO, DENIS P
BARNETT, ADAM
BINI, JANINE Y
BIRSE, DOUGLAS R
BODEN, MARDY
CARRERA, ELEUTERIA
CRAWFORD, ROBER
CRUZ, MONICA
DAWSON, BARBARA N
DIGIROLAMO, CAMILLE F
DYE, ROSALIE M
FABIAN, EMIL S
FORSMANN, BRANDY L
GADDY, MICHAEL S
JARAMILLO, CHRISSY
LARA, ANGELICA
MOSELY, ANTOINNE
MUNOZ, ZONAR M
ORANGE GARDEN
PANALIGAN, ERNETAS A
PARTRIDGE, DAVID M
PICCOLO, TOM S
PREGO, ANDREA
RENO, SONDRA
REYNOLDS, RITA L
SEYEZAIZI, ADDOLHOSSEIN
SHEIKHOLESLAMI, MANIJEH
SNEDEGER, SABRINA M
SOLORZANO, REFUGIO
THOMPSON, BRIAN S
VESELINOVIC, PETAR
VILLANUEVA, JANET
WIDJAJA, STEFANUS
YUN, SUSAN
12527 WILLIAMS, JON W
12529 ANDERSON, DESIR
CARTER, TYESHA

OAK KNOLL RD 2014 (Cont'd)

12529 CHETISTER, ELAINE R
COLBY, MICHAEL G
DODY, PRISCILLA M
ESTOQUE, LEONARD
FIKINGAS, CONRAD M
FLORES, KHRISTINE O
HALLS, MARK
LOPEZ, MARIA
MAGANA, MARIA
MAYFIELD, LARRY R
PASCUAL, ANTONIO
PHAM, MIKE T
PORTER, JESSICA A
QUINTANILLA, EVELYN
ROMERO, DESIREE A
SANDOVAL, ELBENBRIAN
TARIO, SEAN

12532 ACQUISTO, KAY D
ADAMS, ERVIN
AGUAYO, JAMES
BERNARDO, LIZABEL A
BUCHWALD, LILLIAN M
DUNN, MICHAEL C
FIGUERO, LERIO S
GAFFOGLIO, JACQUELINE R
GARRETT, APRIL
GHODKE, ARCHANA
GILLMORE, NADINE L
GRIFFIS, GORDON
JENKINS, KRIS A
KIRBY, JOAN E
LORENZO, VICTORIA
MYERS, MARK D
PIZUTELH, JOHN M
POOLE, PHILIP A
ROBERSON, RINISHA
SALAAM, NAILAH
STROUP, MAKAELA
TEJERA, XIOMARA
VARGA, MIKE
WILD, JANICE S

12540 AYALA, CORRIE
CLARK, JASON R
GIFFORD, J
GRAY, IDRIS
HUNT, MINA
ISRAEL, RAQUEL R
KAREGA, GLADYS
KAUSEN, CHRISTOPHER
LAULE, KIMBERLY

OAK KNOLL RD 2014 (Cont'd)

12540 MANTZ, DAVID M
MCCORD, JEREMIAH T
MOLINA, ALFREDO R
MORENO, RAUL K
NEIL, KAY L
PARKS, JENNIFER J
THOMPSON, PAUL W
TOLEDO, NICOLAS
TRINIDAD, ANALIZA S
WALLACE, JASON C

12547 ALMANZA, JULIO C
BASTIDA, SANTOS G
BELTRAN, JOSE L
BELTRAN, SUSANA
CEDILLO, JOSEFINA
CEDILLO, MODESTO
LAPITE, MICHAEL
MARCOS, ESTEBAN P
STREGE, MARY J
VELASQUEZ, ERNESTO
VISUET, ALEJANDRO

12548 AGUAYO, ANA
ALVINES, GABRIEL
CHRISTENSEN, BRITTNY A
CLARK, KRISTA L
DELAPENA, GABRIEL
DELUCA, BENJAMIN A
HANSEN, DAVID N
HARRISON, STEPHEN
HWANG, JOANNE
LEODOLTER, GERHARD
MARES, JOE A
MCINTOSH, TAYLOR
MCMAHON, ROBERT J
MCWLLIAMS, KRISTA L
OLIVAS, NORMA
PAGE, NAGHMEH
RAQUEL, WALTER
RUIZ, GOMEZ
SMITH, NYRENE C
STARK, DUANE E
THOMAS, GLEN
WAGGENER, MARK P

12551 BOLANOS, NANCY
CEDILLO, FELIPE I
CUEVAS, ESAU R
MARTINEZ, JOSEFA L
PASTRANA, MANUEL
SAMIANA, ETHYL
VEGA, JUAN L

Target Street	Cross Street	Source
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OAK KNOLL RD 2014 (Cont'd)

12556 COUNTRYSIDE APARTMENTS
12564 ARREDONDO, VICTOR
BAINER, CASSANDRA C
BLOOM, JANICE E
DEMARINIS, TONI A
DIXON, C
DOGGETT, DERRICK S
DRURY, KELLY
DURANT, CAROLYN J
GONZALEZ, VICTOR
HAMILTON, JAMES K
HEARD, LATRICE S
HENMAN, JESSYCA
MAGANA, EZSEL
MORK, WENDY S
MURRAY, JAMES
PARALE, HOPE M
PEART, KATHLEEN G
SANTOS, MIRANDA D
SCARFF, CHRIS A
TURLEY, MICHAEL E
VALDEZ, VICTOR G
12569 GONZALES, NESTOR A
12572 BARRAZA, PATRIC
BATYCKI, CAROLINE S
ELLIS, GREG M
ESPINOSA, MICHAEL
FOWLER, STEPHANIE A
HARRINGTON, DIANE L
JAYNES, BENJAMIN C
KIM, BO Y
KITZER, CHRISTOPHER J
LAWRENCE, FRANKLIN R
SAUGET, JACQUELINE L
SEARS, LESLIE L
SEMROSKA, ALEXANDRIA M
THOMPSON, RICK L
VOLLRATH, WILLIAM
VOLZ, DAVID T
WIKLUND, YVONNE W
WILSON, KATRINA M
12580 ARTEAGA, EDER
BROWN, CRAIG S
CHAVEZ, MARRINA M
COLVIN, PAUL
COVARRUBIAS, GRECIA
CUNNINGHAM, DAVID O
HAWKINS, THOMAS G
HERNANDEZ, VICTOR
IVERSON, KELLIE

OAK KNOLL RD 2014 (Cont'd)

12580	JACKSON, JANICE L
	KHREIS, ISMAIL
	LOPEZ, AZUCENA
	MORRIS, PETER J
	ORNELAS, JOAQUIN
	PAREDES, LEONEL
	ROBSON, TREVOR C
	RODRIGUE, STEVEN E
	ROGELSTAD, TODD
	SANDOVAL, ALICIA L
	SCOTT, CRYSTAL
	SUMLIN, MILDRED H
	TIPPETT, JESSE
	WEST, CHRISTOPHER
12588	BARRON, LUIS A
	BERRY, KEITH
	BUCKLEY, MATTHEW J
	CASEY, WILLIE
	CHALKER, STEVEN C
	CURENO, JOSE
	FRUIN, NICOLE A
	GARCIA, ANTONIO
	HALL, ARTHUR J
	IRELAND, MICHELLE
	KOWASCH, VERALYNN
	LACONO, LAUREL
	LEVY, BRITTANY
	MARQUEZ, LUZ M
	MIRANDA, LARRY C
	MURRAY, PAM
	NYEGAARD, NICOLE
	POCHINSKI, BRENDA
	RAMOS, JOHN L
	REYES, ALEXANDER
	RIVERA, GISELLE
	SANCHEZ, ANDREA
	SPYCHALSKI, DANIEL
	TSEGLIN, ILYA
	WORTHEN, RONALD
12596	ARTAP, DUMAGUE
	BERG, TAMAR M
	COYLE, DAVINA J
	VANSTROM, JANICE A
12604	ANDERSON, THOMAS
	ATKINSON, SALLY E
	CARTER, ASHLEY
	ERLER, JOHN V
	FRADSHAM, JARRED W
	FULLER, ANDREW C
	GALE, JAMIE L

OAK KNOLL RD 2014 (Cont'd)

12604	KNIGHT, VANESSA
	LABIN, CHRISTINA A
	LOUIS, ANNE W
	OCAMPO, LOURDES A
	PARTAIN, RICKY W
	POSADAS, GERSAIN
	RENDON, SENENDELYN
	RICHMOND, KATHERINE D
	RIFFEE, STEPHANIE
	SILVA, LUGA
	SLASKI, RICHARD B
	THOMAS, DANIEL J
	TRAVERSE, BRANDON
12612	AMAT, ROBERT R
	AREVALO, JENNIFER R
	CRYAN, KATHY
	CURTIS, EVAN
	HERMANN, DAWN
	LAMBERT, SANDRA G
	LATHAM, SEAN R
	LEBELLE, HAE S
	LYONS, ARICA
	MARIZ, JOSE L
	MCERLAIN, DEBORAH D
	MCGLYNN, BONNIE
	OCAMPO, MYRNA G
	ROUT, KAREN
	SANCHEZ, RANA B
	WEIS, ALLEN
	WOODS, ALLEN O
	ZALMAN, MIKE C
12623	CLEMMONS, JULIE
12624	HARMON, EDWARD K
12625	GUERRERO, JERRY L
12643	REESE, JONATHAN M
12650	TORRE, FAUSTO
12653	MONTENEGRO, EDWARD R
12665	OCCUPANT UNKNOWN,
12677	HOPKINS, SUZANNE
	SAMPSON, SUZANNE L
	SEARS, CASSIE T
12695	HENDRICKSON, TROY D
12701	CHILDERS, JON C
12702	CEDILLO, FRANCISCO J
12709	XUE, FUYU
12715	PRESNELL, AIMEE
12720	KEIL, RON O
12721	FAMILIA, GREGORIO V
12724	CHIU-CHUNG, H
12727	KOENIG, MARK D

Target Street	Cross Street	Source
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OAK KNOLL RD 2014 (Cont'd)

12732 HOLM, JASON C
12735 AGBO, WILLIAM A
12736 GOMEZ, JOHN J
12742 MOREL, RICHARD A
12749 FURR, DALE A
12750 CRISOSTOMO, ORLIE E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 2010

12440	AGUILAR, IGNACIO
	AGUSTINE, CELIA
	ANGUIANO, SYLVIA
	BELTRAN, SUSANA
	CHAVEZ, DIONICIO
	CHAVEZ, FLORENCIO
	CISNEROS, ALVARO
	GONZALEZ, FAVIOLA
	GONZALEZ, SANTA M
	GUSMAN, JULIA
	MARTINEZ, PEDRO
	MENDOZA, MARTHA
	OAK MANOR APARTMENTS
	RAMIREZ, RUTH
	RAMOS, TONI
	SILVA, JOHN J
	SORIANO, JUAN
	TABORA, BRADLEY
	VALLE, FERNANDO
	VASQUEZ, HUGO
	VEGA, VICENTE
12455	BENSON, JAMES
	BHOIR, NILESH
	CANUP, RICKY D
	CHEN, YI T
	CORONEL, MARIA
	CRIST, PHYLLIS M
	CROM, CHRIS
	D C GENERAL CONTRACTING
	DAGURO, JUVELYN S
	DENIGRO, MINDY O
	DOOM, CHRISTOPHER
	HARTMAN, SUSAN L
	HERNANDEZ, ROSVELIA M
	JACQUEZ, PATRICIA S
	KIM, JEONG
	LAURICIO, FELICIANO M
	LOPEZ, RITA
	LUCHES, MARY C
	MADRIGAL, MARIA
	OAKCREEK APARTMENTS
	OWENS, KIM D
	PEREZ, GREGORIO
	PICHO, CRYSTAL
	PIMPRIKAR, SHWETA
	PONGPITAGSOPON, TANA
	REYES, EDDIE
	ROTH, MARILYN
	SAGE, TOM
	SALAZAR, TIMOTHY C

Target Street	Cross Street	Source
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OAK KNOLL RD 2010 (Cont'd)

12455 SALGADO, ANTONIA C
SUBRAMANIAN, SENTHIL V
TOBY, ARLENE C
TRIMBLE, BRAD P
YOUNG, KIM
12500 ESPINO, ANGEL
LI, YIWEI
POWAY PALMS APARTMENTS
RAJ, MAHESH
ROSNER, ELI
VARRELMANN, TIFFANY
12502 BADILLO, OSCAR
ESGANDABADI, SADOLLAH
HUMPHREY, DENISE L
YARBERRY, STEVEN W
12504 ABQUINA, PEDRO M
CARROLL, RICHARD A
HUYNH, HA H
PLARSKI, GERALD R
TRAN, TRACY H
VALLEJO, LETCIA
12506 CORTES-MEJIA, FRANCISCO
GILES, ELIZABETH A
LONTOC, HONORATA
12509 ABELGAS, MARIETA
ACIRE, ERICA
BARRAZA, FRANCISCO F
CALDERON, JAINE
CEDILLO, VALENTIN
ENGLAND, ROBERT F
FLOJO, REMEDIOS M
GABRIEL, AUDREY M
GARCIA, FEDERICO S
GOLDEN, RYAN
GONZALEZ, OSCAR
GUERRA, IRMA
GUERRERO, MATTHEW A
GUZMAN, SIMEON
JIMENEZ, FAUSTINO
LESURE, MICHELLE
MARTINE, EULALIA
MARTINEZ, JESUS
MERCADO, NENE M
MOMDAHON, SALUSTEA
NAVIDAZAR, MAHTALAT
OAK KNOLL HOUSING ASSOC LP
PEREZ, SANDRA
RAMIREZ, TEODORA
REYES, CARMELA
ROMERO, ERNESTINA

OAK KNOLL RD 2010 (Cont'd)

12509	ROSAS, FLORES L
	SOLIS, TERESA B
	SOLORIO, GARCIA F
	SONG, ANNIE
	SUN COUNTRY BUILDERS INC
	SURLA, CONSOLACIO
	ZAREI, SAIED
	ZERDA, LEE
12510	ANDREWS, KARL E
	ARGANA, CEZAR M
	BARNETT, ADAM
	BERCHEM, JULE A
	BODEN, MARDY
	BONO, MARILYN T
	BOUNLEUANG, BOBBY
	CRUZ, JUAN
	FABIAN, EMIL S
	GADDY, MICHAEL S
	GARRIDO, ARMANDO G
	GONZALEZ, MANUEL
	HALL, WILLIAM R
	JACKSON, DARYLLE
	JALALI, FATEMEH
	JOHNSON, MATIUS
	LIWANAG, MALENKOV S
	MILLER, CRAIG
	ORANGE GARDEN
	PANALIGAN, ERNETAS A
	ROY, CHANDRA D
	RUBIC, ERIC W
	RYSZARD, DYTKO
	SANTOS, LEONARDO
	SOLORZANO, REFUGIO
	THOMPSON, BRIAN S
	VARGAS, CARINA
	WEST, GINGER A
	WINGET, LESLIE
	YAN, LIGEN
	YUN, SUSAN
12527	WILLIAMS, JON W
12529	ALCAZAR, PACIANO
	COLBY, MICHAEL G
	DADOURIAN, KATHY A
	DODY, PRISCILLA
	FAVRICANTE, GILBERT A
	FIKINGAS, CONRAD M
	HUYNH, JULIE
	KNOLLS RADELOW GITTI
	PHAM, MIKE T
	RADELOW GITTENS

OAK KNOLL RD 2010 (Cont'd)

12529 REGINALDO, MANNY
SANDOVAL, ELBENBRIAN
SCHMIDT, DARREL R
TRAN, TAM L

12532 AGUIRRE, ROSA
BARBOSA, FRANCISCO
DEMRO, DUSTIN
DOHRER, BRETT
HULING, SHERRI L
IBARRA, ADRIANA
IRVINE, JOHN T
JENNER, MITCHELL W
KAKU, ROBERT A
MALDONADO, MARIA D
MARTINEZ, RICARDO S
MCDONALD, KRISTINA
METROYANIS, GEORGE
PEART, KATHLEEN G
PIZUTELH, JOHN M
RAMELLI, JOEY
SILVA, LIZ
TRENT, SAMANTHA
TURNWALL, MICHAEL J

12540 BARABASH, LEONID S
BEJAR, OSVALDO
BELTRAN, UAMIRA
BROWN, CAROLINA A
CISNEROS, SACRAMENTO
FRATILA, POPA I
GARLAND, DAPHENIE
GIFFORD, DELOREA
HAMMERSLEY, LINDA S
HENRICKSON, ERIC E
ISRAEL, RAQUEL R
KESELBURG, ANDREW
KLINGBERG, TERRY A
PARKS, JENNIFER
RODRIGUEZ, LIZANIA
SPANIK, PENNY T
YANG, MING C

12547 ALMANZA, JULIO C
BASTIDA, SANTOS G
BOUTHOT, NANCY L
CEDILLO, MARGARITA
LEAL, GUILLERMO
LOPEZ, RUBEN L
MARCIAL, ISABEL N
REAL, GUILLERMO
SIMONE, PASQUAL
VISUET, ALEJANDRO

OAK KNOLL RD 2010 (Cont'd)

12548	ASPEYTIA, MARTIN
	BERSAMIN, CATHY M
	CESSNA, RACHEL
	CHILCOTE, RODNEY L
	FIGUEROA, SARA G
	FOSTER, VIC
	HANSON, STEVEN M
	HENDERSON, ANDRE
	KIMBER, AUBREY D
	MARES, JOE
	MCKAY, TYLER
	MCWILLIA, KRISTA
	RANDAZZO, CYNTHIA
	SMITH, NYRENE C
	SOUZA, SEAN
	SPLITTER, JEANETTE
12551	ALONZO, ISRAEL
	BOLANOS, NANCY
	CEDILLO, JOSEFINA
	CISNEROS, MARIO
	HERNANDEZ, SOFIA
	MARTINEZ, RAFAEL
	NAVARRO, BRIAN
	VEGA, JUAN L
	WALLER, LUANN
12556	COUNTRYSIDE APARTMENTS
12564	COX, JORDAN
	DIXON, ESTHER
	DURANT, CAROLYN J
	GARCIA, VIVIANA G
	GONZALEZ, VALDEZ V
	HAMILTON, JAMES K
	LETT, RYAN
	MERGOTT, DENISE M
	MORK, WENDY S
	OLGUIN, YAZMIN
	PARALE, HOPE M
	RIENHART, DANIELLE
	SLOANE, RICHARD
	VANDERZEE, WARREN S
12569	GONZALES, NESTOR A
12572	BALDOSANO, NICHOL
	DELACRUZ, LORRAINA M
	DICKSON, LISA C
	FOUTS, BETTY A
	JAKSTAS, ZILVINAS
	KIM, BO Y
	LAWRENCE, FRANKLIN R
	MARTINEZ, DEBRA J
	MINICK, SKIP

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OAK KNOLL RD 2010 (Cont'd)

12572 MUREN, COLLIN
SAUGET, JACQUELINE L
SEARS, LESLIE L
SIGLE, CLAUDIA J
THOMAS, JESSICA
THOMPSON, RICK L
VOLLRATH, WILLIAM
VOLZ, DAVID T
WHITE, LINDSEY
WIKLUND, YVONNE W
12573 MIRANDA, TIMOTHY O
12580 ADAMS, ARGENTRY
BROWN, O
CAGLE, KENNETH
CARRIER, DAVID R
CHAVEZ, MARRINA
FURLONG, DEBORAH J
GREGG, MELISSA
GUERRA, MIGUEL
HAWKINS, THOMAS G
HUNT, MATTHEW
JOHNSON, KELLY S
LAURITZEN, WILLI J
MATA, MARCIELINA
MINUS, ANDREW G
MORRIS, UYEN
MULVIHILL, DEBRA
NETZER, MILES
PARTAIN, R
RICE, CURTIS C
ROACH, STACI
THOMPSON, PAUL W
WEST, CHRISTOPHER
12588 ADEYEMI, OLAYINKA
AMODEO, DIANNE
AMODEO, MARIO F
BARRESI, TAMARA M
BARRON, LUIS A
COFFER, CARALIN L
HOOD, JUDY
MIRANDA, LARRY C
MURRAY, PAM
NYEGAARD, NICOLE
OZUNA, GLORIA M
PURVIS, CLARKE
RAHUL, FNU
RAMOS, JOHN L
RUIZ, MARTA N
SANCHEZ, ANDREA
SILLARI, DIANE M

OAK KNOLL RD 2010 (Cont'd)

12588 TEUTSCH, ARTHUR E
WADE, MICHAEL D
12596 ANDRADA, PERCIVAL C
BARRINGER, FLORENCE C
DEMARINIS, TONI A
KAUFMAN, R
12604 AGHMAGANI, MANSOUR
ATKINSON, SALLY E
DAVIDSON, CASSANDRA
DURAN, DEMETRIO
KASATE, ANNA K
MILLER, GRIESSER R
MILLER, JEN
OPINION, CARLOS L
RAY, EARL J
RENDON, SENENDELYN
RENZ, CHRISTIANE
RIFFEE, STEPHANIE
SLASKI, RICHARD B
TRAINOR, TARA
WAKEFIELD, NANCY G
YOUNG, GLORIA
12612 ARISTONDO, HERLINDA
BENTON, SHANE
BUSHEE, TAMMY S
CURTIS, ANTHONY J
DAY, PATRECE
DIAMOND, ZYANYA K
DOUGLAS, PAUL F
FELLMAN, DAVID W
GARCIA, RICARDO
GARNER, OV V
HARBRUEGER, BETTY
LAMBERT, SANDRA G
MANNIX, JOSEPH
SANCHEZ, RANA
SOTO, ALMA
WHITE, DAWN M
WOODS, ALLEN O
ZALMAN, MICHAEL
12624 HARMON, EDWARD K
12625 GUERRERO, JERRY L
12643 OCCUPANT UNKNOWN,
12650 STOCKTON, WILLIAM A
12653 GREENWOOD, FRED
12665 BLOXHAM, CHRISTOPHER T
12677 SEARS, CASSIE T
12683 KILLIAN, DELL R
12695 HENDRICKSON, TROY D
12701 CHILDERS, JON C

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OAK KNOLL RD 2010 (Cont'd)

12702 VELASQUEZ, ERNESTO
12709 XUE, FUYU
12711 FUENTES, MIREYA
12715 NEILIO, MICHAEL P
12720 EMBASSY MANOR
OCCUPANT UNKNOWN,
12721 HYAMS, ADAM E
12724 CHIU-CHUNG, H
12727 KOENIG, SHARYN M
12732 HOLM, JASON C
12735 BLATTLER, CHRISTOPHER M
12736 MCBREARTY, PATRICIA
12742 MOREL, RICCO T
12749 OCCUPANT UNKNOWN,
12750 RIVERA, JOSE B

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✓	-	EDR Digital Archive

OAK KNOLL RD 2005

12440	AGUILAR, I
	BASCARA, EMILIANA
	BORGNER, TODD
	BOSGRAVE, DANIEL P
	CASTILLO, MANUEL
	CHAVEZ, FLORENCIO
	CISNEROS, HORTENCIA
	CROSBY, COLLEEN
	FLESICHMANN, TYLER
	FLORES, GILBERTO C
	GONZALEZ, FAVIOLA
	HAYES, ROSHONDA M
	INDIONGCO, RUBEN L
	KELLYS MOBILE AUTO REPAIR
	LUIS, MARQUEZ
	MARTINEZ, AMBERTO C
	MCGHEE, DANIEL
	OAK MANOR APARTMENTS
	OBERSTER, DENNIS
	REMIGIO, ARACELI
	RICHARDS, JOY
	ROSAS, BLANCA
	SILVA, JOHN J
	WOODHALL, BRYAN
12455	ADAMS, VICKI
	AGUILERA, RUDY
	ALBALOS, REYNALDO
	ALBINEZ, GABRIEL
	AMAZING SAFARIS
	AMAZING SAFARIS & TRAVEL INTERNATION
	AMAZING SFR & TRVL INTRNTNL
	APAGALANG, RAYDELL
	BERNARD, CONY J
	CAIRNS, MARIVONE N
	CALDERON, JULIO A
	CEDENO, FABIOLA
	CHEN, YI T
	COOK, CHARLOTTE
	CRIST, PHYLLIS M
	DALY, CHRISTOPHER
	DELA, TORRE R
	DENIGRO, MINDY O
	DOUGLASS, GLENDA S
	EDWIN, ELLER
	FINNBOGASON, LOA
	FLORES, MARCO
	FRASOR, JUSTIN C
	GONZALEZ, FRANCISCO
	GRANDE, FILOMENA P
	GRINSTEAD, BRANDY

OAK KNOLL RD 2005 (Cont'd)

12455 HARTMAN, SUSAN L
HERBST, ALFRED
HOELSCHER, CHRIS
HORTON, GARY
JEWELL, JASON
OAKBROOK APARTMENTS
PONGPITAGSOPON, TANA
POULSEN, HENRIK R
PRIETO, JOSE
RAKELA, MICHAEL
ROCK, KARINA
ROY, CLYDE L
RYAN, JOHN F
SAGE, TOM
SALAZAR, TIMOTHY C
SHTILKIND, DMITRIY
SIOBEARRD CORP
TIMOTHY, D C
VALADEZ, JOSE
WHITTMANN, DANIELLE
12500 ALH UNINCORPORATED
BAILEY, WILLIAM R
COWAN, JERRY
FREEHANDSETORG
FREEHANSET ORG
JACOBSON, MELISSA
JONES, CRYSTAL
THE INDUSTRY CO
VOORHEIS, CATHERINE E
12502 BADILLO, OSCAR
HUMPHREY, DENISE L
MYERS, SUSAN
POWAY PALMS APARTMENTS
WOOD, MELBA
YAMAUCHI, K
YARBERRY, STEVEN
12504 BROWN, JASON B
CRUZ, EMMETT D
MACHADO, STEPHANIE A
PLARSKI, GERALD R
RODRIGUEZ, CHRISTINA
VINES, MARTINE C
ZHANG, JIAN J
12506 DELAY, STEVEN C
GILES, SHERYL R
LONTOC, HONORATA
PRYOR, RON
TUSIIME, HARRIET
YORK, KEVIN
12509 ABELGAS, MARIETA

OAK KNOLL RD 2005 (Cont'd)

12509 ALLEN, DALE D
AQUINO, SALVADOR
ARGANA, CEZAR M
BADILLO, ROLAN D
BASILLIO, FERNANDO
CRISOSTOMO, ESTRELLA E
E LOAN PROCESSING
ENGLAND, ROBERT F
FABIAN, ELSER S
FAUSCO, TALITHA
FIGUEROA, SAUL
FORNILLOS, RODELFO C
GONZALEZ, ALFONSO
GUSMAN, JULIA
HONG, DAE E
HOUDAJAI, MONICA
HWANG, SUNG C
LI, YIHUA
LICUP, VICTOR
LIWANH, REXIE
LOPEZ, NOEL
LULE, ROBERTO F
MARTINEZ, JORGE
MAZUR, SAMANTHA
MERCADO, NENE M
MOLINA, RICARDO P
OAK KNOLL VILLAS LTD
OAK, KNOLL V
OMALLEY, MARIA
OROZCO, CIRILO
PANGILINAN, LOUIE
PEREZ, MOLINA R
PIOQUINTO, GUILLERMO
QUIZON, RUBEN
RADOC, REYMUND M
RAMIREZ, JOSE
RIGUERRA, S
ROMERO, ERNESTINA
SONG, SUN K
TANEDO, ALMABELA D
TIONGCO, ELAINE T
VELASQUEZ, JOHN
VJORTEX INTERNATIONAL
WHITE, DOROTHY
YU, JOYCE

12510 ADAMS, BOBBY
ASKEW, KIMBERLY
BARNETT, ADAM
BERNAL, ANDY A
BONO, MARILYN

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OAK KNOLL RD 2005 (Cont'd)

12510	BORN, CYNTHIA
	COLAGRANDE, DANELLA M
	DIBBIN, BRADLEY
	DOUDY-REED, CINDY
	FAIRBANKS, JENNIFER
	FOLTS, SAMANTHA L
	FORSMANN, BRANDY
	GADDY, BECKY M
	GARRLDO, ARMANDO
	GUEANG, CELEDONIO A
	GUERRA, MARIO
	HERNANDEZ, OLGA
	HOLLAND, REGINALD L
	JOHNSON, MATIUS
	KIYA, AYAN
	KOLOWICH, KEVIN
	MCCORMICK, WALTER M
	MORAS, ROCIO E
	MORIN, JESSE
	ORANGE GARDEN
	PANALIGAN, ERNETAS
	PARTRIDGE, DAVID M
	POH, GEORGE P
	RAMIREZ, VERONICA
	ROJASLOPEZ, ANTONIA
	ROY, CHANDRA
	RUBIC, ERIC W
	SALDANA, R R
	SANCHEZ, RICARDO
	SANTISTEBAN, MILDA N
	SCHELK, SHERRL M
	SOLLEY, TINA M
	TRUONG, THIEN K
	VANBOOM, HILDA
	VEGA, MARGARITA
	WATSON, JESSIE
	YAN, LIGEN
12529	BANVER, JENNIFER
	CAMPOS, MOISES
	CARDENAS, ALEJANDRO
	DANIELS, BONNIE
	DELACERNA, RICARDO
	DODY, D
	F & P TOUCH
	FAN, NINGER
	FIKINGAS, CONRAD M
	HARTLEY, WILLIAM D
	HUYNH, JULIE
	JOANNAS EXCEPTIONAL CLEANING
	LUCAS, EMILY R

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OAK KNOLL RD 2005 (Cont'd)

12529	MAYFIELD, CHRISTINE L
	MEINTYRE, BRITNEE R
	MURRELL, JENNIFER
	NASLAND, MONIQUE M
	NIXON, JENNIFER L
	STATEN, ENNIS W
12532	ANGUIANO, YVETTE
	BURGER, EDWARD L
	DAVIS, SEAN P
	DUBOIS, JASON
	EPPS, FELECIA A
	FOREMAN, JOHN P
	GOODALE, ANNETTE
	HADAWAY, T
	HERMOSILLO, MICHAEL J
	HUDSON, RICHARD L
	KAGAN, MARSHALL J
	KAMPLEY, SARAH
	MAINA, KEVIN
	MASSINGILL, JAMES B
	MENDOZA, TRIS
	RAMIREZ, DAVID F
	RODRIGUEZ, FELICIANO
	SIMMONS, JOAN
	STONE, KRYSTAL A
	VERMA, BALDEV
	WALLER, LUANN
	WISE, THOMAS J
12540	ALLAIN, GARY M
	ALVAREZ, LINDA C
	BARABASH, LEONID S
	BROWN, PATRICK
	CARRILLO, MARISELA
	COLEMAN, JILL
	DEFRANCESCO, KARYN
	FITZGERALD, ANDREA D
	GLENN, RON S
	GODFREY, CRAIG D
	GUILBAULT, SCOTT
	HARRISON, JOHN R
	HUFF, ANTON V
	JIMENEZ, ANNA P
	KAREGA, GLADYS
	KIM, NAN Y
	LING, ANGELA C
	MACALUSO, MICHAEL A
	MILLER, KORL
	MORENO, RAUL
	ONDERIK, MARCY
	OWENS, KEN U

OAK KNOLL RD 2005 (Cont'd)

12540 OZUNA, ARNOLD A
RANDALL, MARK
WEST COAST CYCLE GEAR
WORLD BEAT TRADING CO
ZOLLING, STEVEN M
12544 LINDH, AARON
12547 ALMANZA, JULIO C
BASTIDA, SANTOS G
GONZALEZ, JOHNATAN
GUERRA, IRMA
LOPEZ, CARMEN
MARCIAL, ISABEL N
MONTE VISTA APARTMENTS
MORENO, ELIZETTE
ORTIZ, ROSALES P
POWELL, CHARLES R
SIMONE, PASQUAL
VIDRIO, OLEGARIO
12548 ACEVEDO, MINDY
BAILEY, CINDY J
BENJAMIN, YVONNE W
BIRNBAUM, ALAN
BRIONES, MITCHELL J
BURKEY BURKES WHOLESALE AUTO
CAMPBELL, JOHN M
CHAMBERLAIN, JOSEPH
CHRISTIANSEN, RODNEY J
DAUDIER, LAURHENS
GREENEY, JOHN
KAMPY, KAREN
MIECZKOWSKI, ELIZABETH L
MURRAY, JERRY G
PAVON, ANNTEA L
PRESSMAN, CHARLES S
RAO, ARUNA M
SALMON, PETER
SUBHANI, AZIZULLAH U
TURMAN, SHANNON
WARD, BLAIR J
YIP, SAI W
12551 ALVARADO, REYNALDA
BOLANOS, NANCY
CARRANZA, GILBERTO P
CEDILLO, CONCEPCION
CISNEROS, MARIO
DURAN, SALVADOR
HERNANDEZ, MAGDALENA
LAGUNA, GUADALUPE
LORD, KATHRYN E
MARTINEZ, FRANCISCA L

OAK KNOLL RD 2005 (Cont'd)

12551 MARTINEZ, VIRGINIA R
NERI, JOSE
STOCKHAM, ROBERT
VILLENA, ZENITA
WIKSTROM, PEGGY A
12556 CRAWFORD, IRENE O
12564 AILEY, CHOUKAT A
BLOOM, JANICE E
BROWN, HEATH A
BUCKLEY, PAUL
CANEVA, MARY
COPE, KRISTI
CVIJIC, LJUBAN
DEFREITAS, ELIAS
EBRAHIM, ROSHAN
GOODMAN, DIANE J
HARRISON, S
HUMPHREY, PAUL
LAULE, MELINDA
LETT, RYAN
MCKOWN, PATRICK H
MERGOTT, JOSEPH
MOORE, ROBERT K
MOOTS, BARBARA J
MORK, WENDY S
NEUJAHR, JARROD
REDMAN, S
RICE, JUSTIN C
SAMS, KIMBERLY
SANDS, SHERIDAN L
STUDDERT, STEPHEN
TRUDERUNG, RUDOLF
WILLIAMS, CYNTHIA M
WILSON, MARYANN B
YOON, HYANG B
12569 GONZALES, NESTOR A
12572 BUSSEY, B
CLARK, JAMI
JORDAN, TINA
JUNEJA, GOVINDI
MORROW, CHRISTOPHER L
MOSS, ANITA S
NISLEY, DAVID S
OBEGI, JOE
ORTIZ, SANTA R
PAWS AT HOME
RITTENHOUSE, PARTICK
SEARS, LESLIE L
SIGLE, CLAUDIA J
SKEETS, ZEPHYR T

OAK KNOLL RD 2005 (Cont'd)

12572 SYLVESTER, RUTH C
THOMPSON, RICK L
WIDLEY, BRUCE
12580 BOGGESS, RAYMOND
BOLDING, CHRISTINE
BOPARAI, TEGIDER
BROWN, CRAIG S
CAGLE, KENNETH
CHAVEZ, MARRINA
DULIN, HENRY
FURLONG, DEBORAH
GROFF, STEVEN
GUILLORY, LORISSA A
HALL, JEREMY
HAWKINS, THOMAS G
KRIER, JONELLE
LAMBERT, SANDRA G
LAURITZEN, WILLIAM J
LIEN, MARLENE
MANN, SHARA
MOON, GI Y
OAKLEY, RICK
RICHARDS, TIM
ROBINSON, ROBERT D
RONDY, REBECCA
SMITH, TIMOTHY P
TSAI, CHING
VANDERZEE, WARREN S
WAMPLER, MICHAEL A
WASH, SHANNEN
WEST, CHRISTOPHER
12588 AMODEO, MARIO F
ARAYA, GLORIA
BLACKWELL, RANDY L
BROWN, SAMUELL J
CARRETERO, MANUEL P
GOMEZ, A
KISSLING, STEVEN
LANDIS, DOMINIC
LEWELLEN, ANTHONY
LOFSTROM, TY Y
MANDEL, JEFFREY A
MERA, LUCY
MICHALOWSKI, TOMASZ
MILLER, EDWARD I
MOORE, THOMAS
MORGAN, JOHN W
MYERS, WENDY L
PRYHODA, DUANE
QUINN, CHUCK

OAK KNOLL RD 2005 (Cont'd)

12588 SCHULER, DENISE
SEAY, JIM
SILLARI, DIANE M
TAN, ANGELINE
VERMA, ANKUR
YOUNG, ALEJANDRO
12596 ARAYA, GLORIA
BARRETTO, DANA
BRALEY, GARY
CARR, BARBARA A
WEISS, ERIC
12604 AGHMAGANI, MANSOUR
BENITEZ, DARIO
CAIRNS, BRIAR C
CAZANAVE, TINA M
CONN, AUTUMN
CONNOLLY, PAT
GILLESPIE, WILLIAM
HUNTER, H
JAMES, DEBORAH L
JONES, CARRIE E
KIMBROUG, R
KIRK, VALERIE
MILLER, GRIESSER R
PADILLA, ROBERT A
RUSSELL, ALBERT T
SASTRY, C
SHAFAA, AHADI S
SHANEY, DEVIN
SITI PRINTING
SMALL, STEVEN
STAR GEMS
STEWART, LINDA
VANN, DARRELL L
12612 BARKSDALE, LYTINA E
BINDA, LIZA
BOGGESS, KAREN
BROWN, ANDREW
CRUZ, ROSARIO
CURTIS, ANTHONY J
DAY, LAWENDA S
DEVLIN, CHARLES J
FELLMAN, DAVID
FISH, J D
FRENCH, DAVID W
LAPUENTE, RAFAEL E
LARSON, DARREN
MANNIX, ROXANNE C
MORLOCK, AMELIA
MYERS, DEBI M

OAK KNOLL RD 2005 (Cont'd)

12612	OROZCO, ISMAEL
	RAMOS, RICARDO Q
	REESE, HOWARD R
	SEYYEDI, MOJDEH
	STARTZ, STEPHEN R
	VENTURINO, JENNIFER
	WHITE, DAWN M
	WILSON, DAWN
	WOODS, ALLEN O
12623	OCCUPANT UNKNOWN,
12624	AMERICAN LEGION POST 479
	HARMON, EDWARD K
12625	GUERRERO, JERRY L
12643	MESSINA, MICHAEL
12653	GINSBERG, MARK L
12665	CHAVAN, SURENDRA J
12677	DICKERSON, A
12683	KILLIAN, DELL R
12695	DOSTAL, L
12701	CHILDERS, JON C
12702	GARCIA, KARLA
12709	OCCUPANT UNKNOWN,
12711	FUENTES, MIREYA
12715	KRAUSE, DEANNA L
12720	MCDONALD, JOAN
12721	OCCUPANT UNKNOWN,
12724	TU, JAY C
12727	KOENIG, SHARYN
12732	OCCUPANT UNKNOWN,
12735	HUDSON, THOMAS G
12736	MCBREARTY, PATRICIA
12742	RUSSO, CARMEN U
12749	HUDSON, TOM G
12750	OCCUPANT UNKNOWN,

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OAK KNOLL RD 2000

12440	ACOSTA, JUAN A
	ALTAMIRANO, D
	BELTRAN, G G
	BERNAL, EDGARDO M
	BOYES, LISA N
	JAMISON, OLIVIA G
	MARCOTTE, STEVE M
	MONAGHAN, RYAN J
	OAK MANOR APARTMENTS
	OROURKE, KEVIN
	REYES, CELSO
	SMITH, TOMMY D
12455	ALLINGHAM, BILL
	ARTADI, ALAN
	CHEN, YI T
	CHEREK, ANGELA J
	CROMARTIE, W Y
	CRUZ, S
	DAVIS, RICK
	DESHAIES, SHANE
	FRAZIER, JEFFREY
	HARBRUEGER, KATHIE
	HOLLYDALE APARTMENTS
	JEPSON, NEIL A
	KAPPELE, DENISE M
	MARKS, WALTER W
	PEPIN, MICHELE A
	RAZO, PETER L
	REYES, MARTIN
	ROMERO, LOVINA
	ROSSER, HEATHER
	SAYSON, AMELIA A
	SCHONAUER, KAREN P
	SCHULENBURG, AARON
	SMITH, ALICE E
	STANSFIELD, W
	TROGLER, KATHIE A
	TSENG, WEI K
	XIE, JIN
12500	BAILEY, WILLIAM R
	MORALES, JUAN
	VINES, CARMEL M
12502	GLEASON, RAQUEL A
	JOHNSON, JEFF
	POWAY PALMS APARTMENTS
12504	ABQUINA, PEDRO
	CRUZ, EMMETT D
	GREENHAUS, DAVID
	WISHNER ROBERT E DVM
12506	GILES, CHERYL R

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OAK KNOLL RD 2000 (Cont'd)

12506 LACAU, ANDREI
12509 ADAMS, ARNOLD T
ALLEN, DALE
ANGIANO, ROSA
BADILLO, ROLAN
BARANDA, ABRAHAM
BEARD, THELMA
CEDILLO, C
CHEN, X
CRISOSTOMO, E E
DIAZ, BENNY
DOMINGO, FORTUNE S
DOMINGUEZ, GENARO
DONG, QING
DUNFORD, JONE
ENGLAND, ROBERT F
FRIEND, GREGORY T
FU, QIAN
GHETU, MARIA N
GOMEZ, LUIS
HERRICK, CAMILLE
IORIS, RAFAEL R
LAPITAN, JUAN
LISING, MARIO N
MARTINEZ, LAURO
OAK KNOLL VILLAS
REHBEIN, GEORGIA A
ROBERSON, ARLENE
RODR, MICHAEL A
SALVADOR, MARILU
SANTO, LUCILA M
SCHMADL, STEVEN N
SONG, SUN K
SPINALI, J A
TAYLOR, M
THACHER, A
THOMAS, OBRIAN
VINAS, GLENN B
ZHOU, KANGFEI
12510 ADAMS, MERRILL
BONO, MARILYN
CAMERO-LEOS, M
CRARY, PATRICI
DOMINGUEZ, A
ELEJORDE, DENNIS
GADDY, MICHAEL
HAHM, KIL D
HART, ERIC J
HENDERSON, SUSAN M
HERMONGENES, NORA I

OAK KNOLL RD 2000 (Cont'd)

12510 HERNANDEZ, OLGA L
HOUGHTON, SHERI D
HUTCHINGS, JAMES C
JAMES, H
JIMENEZ, JOSE A
KAUFMAN, MIRIAM R
LEOS, RONNIE R
LI, H J
LILLY, ROXANNE M
MARIN, GINA M
MARTINEZ, ANGELA G
MONDA, R
MORALES, JUAN
NGUYEN, DUC N
ORANGE GARDEN
RAMONES, M C
RIVAS, JOSEPH
RUBIC, ERIC
SANTISTEBAN, MILDA
SEABURY, SUSANNE
STEFFEN, GREG
TANTALEAN, ZARELA V

12529 AYALA, E M
BAUTISTA, B
BUSH, WILLIAM
CAMPOS, MOISES
CHAPMAN, JASON E
CHEN, YOUBIN
CISNEROS, BERTA
DELA, C

12532 ANRTINIAN, ANNA
CARR, BARBARA A
DIETZEN, DOUGLAS W
ERNO, L S
FRY, ANDREA M
KERRIGAN, STEVEN
LEAVITT, HEIDI
LITTLE, MARCIA C
LOUGHLIN, S
NAVARRO, GAIZKA
QUINTEROS, EDWARD
SMITH, TOMMY D

12540 BARNARD, RUTH M
COLAFRANCESCHI, E
FRASCO, TODD J
HENICK, P
HOWARTH, BEQUI
KLINGBERG, TERRY A
LANHAM, RICHARD G
MCCALLAN, MIKE

Target Street	Cross Street	Source
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OAK KNOLL RD 2000 (Cont'd)

12540 OWENS, K D
RANDALL, MARK
ROMERO, SALLY D
ROUSH, EDWARD A
SCAVONE, GWENN M
SILFEN, DOUGLAS A
STONE, I
STROMBERG, JOHN J
WARD, JAMES
WARRENDER, ANNA M
WINATA, BAMBANG S

12547 BLAIR, DAMION
DIAZ, AUGUSTO
MANGIAVILLANO, V
MORENO, E
NICOLAS, MOISES
PEREZ, L
RUTH, DIORA L
SANDOVAL, NORMA
SEDENO, OFILIA
SIMONE, P

12548 ANAYA, MARTHA
BIRNBAUM, ALAN M
BROWNING, ARTHUR
CARPENTER, JEFF L
DENNIS, C M
DRYER, JESSE C
FAIRBANKS, JAMES
FOOS, C
GUNDY, JACK
GUTIERREZ, DENISE
OGILVIE, LYNEVE
RELYEA, MARILYN J
ROY, CLYDE
SANTOS, A
SELLERS, K A
SHEA, ADAM C
SMITH, STEVEN J
TIONGCO, ANTONIO
VEGA, MARTHA G
VIGIL, TARA D

12551 ANGUIANO, SERGIO
CISNEROS, MARIO
MENDOZA, PAULINO
ROOF, ALICE
TERRAZAS, MARTIN
TSE, MARY
VILLENA, N
YURINA, JOCELYN
ZAVALA, EUNICE

Target Street	Cross Street	Source
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OAK KNOLL RD 2000 (Cont'd)

12556 ANAYA, MARTHA G
COUNTRYSIDE APARTMENTS
12564 AVENDANO, NORMA
AVIANO, MARK A
BAIRD, LYLE
BROWN, HEATH A
COPE, KRIS K
DOBELL, MICHAEL R
DOLGE, S
DUGGER, SUZETTE
KONUKCU, OZNUR T
LARSON, BETH
LUTH, OWEN K
MCCORKLE, MARGO L
MERRITT, LINCOLN
MOORE, MICHAEL A
MORENO, JOSEPH A
OGEL, JENNY K
PADILLA, SUSIE M
SANDS, S L
SMITH, YOLANDA R
SPARKS, DEVIN T
STMARTIN, CHERRY A
12572 ALLEN, MARVIN
CARLSON, STELLA L
CULLEN, KEVIN F
GARCIA, HECTOR
GARLAND, BETH M
HINZ, SIMON
KORYTA, DEBRA D
KUEBLER, RACHAEL A
LARSON, BETH
MARTINEZ, DEBORAH J
MARX, P A
MOORE, C F
NICHOLS, BONNIE J
OWEN, STEVE
POTOKY, C A
RHEAUNE, MILES
SALINAS, EMILIO
SPOTTS, CLAUDIA
TERRY, BONNIE
THOMPSON, RICK
VAUGHN, SHARI M
WANTOCH, CHARISE
WEBER, MONICA
WRIGHT, CASEY
12580 CALCHIK, BILL
CHERRIER, GENTRE E
ENGLEMAN, BRIAN

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OAK KNOLL RD 2000 (Cont'd)

12580 FLANAGAN, KIRK
FRAILEY, RODNEY W
GRANTKNORR, JUDY A
HALL, CATHY
KENDRICK, RICHARD A
LEETE, THOMAS
MANNING, ALLENE A
ORNDORFF, DAVID
PADILLA, NATALIE D
PHIMMASANE, MOYA
PLOUGHMAN, BRIANNE
PUTMAN, JENINE A
STANESZEWSKI, D L
VANDERZEE, WARREN
WADINGTON, ISAK D
WALLER, RICHARD
WINATA, STEVEN

12588 ALVARADO, A
BACHELDER, ROBBIN J
BOWLIN, M L
CARY, JOHN
FRANKLIN, TONY
GORDON, THERESA
HOLMES, WILLIAM C
LARSON, MICHAEL J
LOFSTROM, T
MUNOZ, ALBERTO
NIEVES, DEBBIE
VARGAS, BRANDON
VASQUEZ, W F
WILLIAMSON, MICHEAL R
YOUNGS, WHITNEY E

12596 BAUTISTA, MARILYN
ELICO, RODOLFO M
GRAVELY, MARTA J
HUFFMAN, BRADLEY W
MERCURIO, T E
SANDERSON, DAVID L

12604 ANDERSON, TRACI K
CALDERON, MANUEL
CHAN, Y
COPE, JEFF H
CURTIS, SCOTT L
FLEMING, DEBRA K
HILL, LEIGH
JOHNSON, ROBERT J
MEEK, HOWARD S
MOORE, SCOTT P
REESE, HOWARD R
REID, PAUL

OAK KNOLL RD 2000 (Cont'd)

12604	ROBERTS, ROBERT M
	SAURET, M R
	SAVAGE, TONI Y
	SMITH, TIMOTHY P
	VANBALEN, BRIAN W
	VENEGAS, RENEA A
12612	AUSTIN, FITZROY H
	BINDA, LIZA
	BINDER, JUDITH G
	BROWN, TERENCE
	DELA, P
	DESPRES, DONNA L
	GOFORTH, K
	HOLCROFT, KEVIN D
	HUDSON, RICHARD
	KRISHNARAJPET, LOKESH
	MUSSER, SANDRA
	PAGLIA, ALBERT
	RICE-FANT, LAVERNE
	WILKINS, MICHAEL
	WOODS, ALLEN
12623	OCCUPANT UNKNOWN,
12624	HARMON, EDWARD K
12625	DOHM, RODGER
12629	OCCUPANT UNKNOWN,
12643	OCCUPANT UNKNOWN,
12702	NELSON, RODNEY J
12711	FUENTES, DAVID
12718	OCCUPANT UNKNOWN,
12720	PARIKH, U B
12724	TU, CHIU C
12732	BANCROFT, HAZEL M
12736	FLEMING, CHARLES J
12742	MOREL, CARMEN
12750	SHARP, RUTH

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OAK KNOLL RD 1995

12440	BOLDEN, PLEZ
	EDENS, CHAR R
	HAMMERSLEY, MICHAEL T
	JENSEN, JASON R
	LOPEZ, P
	MCCOLLEY, TRAVIS
	OAK MANOR APARTMENTS
	PAREDES, ROMEO
	REED, HELEN I
	VARGAS, REYES M
12445	OCCUPANT UNKNOWNN
12450	OCCUPANT UNKNOWNN
12455	ASHPAUGH, GREG
	CHAP, S H
	ERLING, LYNN
	FRANCHINO, ANTHONY
	HALTE, B
	HOLLYDALE APARTMENTS
	JARAMILLO, FELIPE
	KRESS, JON
	LAYNE, THERESA
	MERRITT, LINCOLN
	PHILLIPS, E L
	PUIGDOLLERS, C
	RICHARD, ANGEL
	SCHEMENSKY, LAVERNE O
	SMITH, DONALD E
	TRUMPOWER, DEBORAH L
	YAKOU, SABA
12500	FLORES, JUANITA
	RODRIGUEZ, S
	TAMURA, JAYME
	WRIGHT, MIKE
12502	DIAZ, AUGUSTO
	MARTINEZ, M L
	NICOLAS, MOISES
	POWAY PALMS APARTMENTS
	SAYLORS, CHARLES
12504	ABQUINA, PEDRO
	BAIRD, JERRY
	MACKENZIE, LARRY D
	ULLOA, SANDRA
12506	LAWRENCE, FRANK
	MUIR, PATRICK
	PRICE, A
12509	ACEVEDORIOS, JUANA
	BOYD, KRISTEL I
	CAYANAN, F
	COTY, MARK
	ENGLAND, ROBERT F

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OAK KNOLL RD 1995 (Cont'd)

12509 LOPEZ, JUDITH
MARTINEZ, LAURO
MORENO, PAULINA
OAK KNOLL VILLAS
ROSAS, BENITO
SANTODOMINGO, LUCILA
THOMAS, JAMES
WALKER, STEPHEN C
12510 ALLEN, DAVID S
ANDERSON, MATHEW
ARMENTA, CARLOS A
AXTMAN, L
BAILEY, DIANE
BLCKSTONE, JULIE
CANNATA, RICHARD
CHAVARIA, JUAN M
HARVEY, JOHN
HUTCHINGS, JAMES C
KESNER, RONALD H
NEALAN, PATRICK
ORANGE GARDEN
PETERSON, DAVE
POSTERARO, J
PU, DAN
RIVAS, JOSEPH
SHEA, D
SHEA, PHILLIP
WAGNER, TAMARA
12529 ACOSTA, LILIA
CALVILLO, MARTIN
LUNC, JANE
OCAMPO, MOISES
ORTIZ, RAMON G
VAN, BOOM N
12532 AGEE, KAYE
GENTRY, TED L
HALEY, ELMER L
HODGSON, PARICIA
KAPPMEYER, KRISTIN
MATSON, RICHARD G
NICKOLLS, ROBIN L
URATANI, KEVIN
WARREN, JULIE
12540 ADAMS, D
BULTER, JERRY E
FULLER, DARYOL
MONFORT, LINDA
NOBLE, DAVID
RASAR, DOUGLAS
RICHARDSON, STEPHEN

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12540 SILFEN, DOUGLAS A
12547 GUERRERO, LEONOR
HERNANDEZGUERRE, F
KICHAS, KEVIN N
MONTE VISTA APARTMENTS
NGUYEN, LOC
ORTIZ, FLORES R
SIMONE, P
THOMPSON, JOHN E
ZIAYA, KRISTIN
12548 BARTOLONE, J
BEYER, ARKABY
BROWNING, ARTHUR
MASON, L
MILLER, STUART
NIEMELA, ROB
SULLIVAN, KRISTI
VERDUGO, GEORGE
WHITE, MARCUS
YALE, MATTHEW
12551 BUCK, CHARLES R SR
GODRE, MELANIE D
MENDEZ, ROSALVA
PAVICH, KIMBER
PETERSON, DAVE
PONTSLER, KIM
12556 COUNTRYSIDE APARTMENTS
JONES, SEAN
12564 ANIGBOGY, KEVWE
CHAVARRIA, OSCAR
GARZA, DIANE
GILLETT, KAREN
JOEB, ED
LESZCZYNSKI, DENNIS
LISZCZYNSKI, DENNIS
NOLAN, SUSAN M
OPPEL, EDWARD
RUTMAN, DEBORAH L
WATKINS, MICHAEL
WOOLER, RICHARD
12572 CULVER, HEDDY
FALLEJA, LENNIE
FARRELL, WILLIAM F
FORBES, KEVIN
GAEDE, RON
HAYNAL, MICHAEL
MCFARLAND, KIM
PALLEJA, MARK
RUDEN, WILLIAM
YI, MYUNG W

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OAK KNOLL RD 1995 (Cont'd)

12580 ABBE, TONYA
BREHM, TOM
CARD, JOHN
CARY, JOHN
LEAL, ROBERT
SIMMONS, L
VEGA, TERESA C
WATSON, STAN
12588 ANDERSON, C
BLACKWELL, R L
CALSBECK, BRENDA
DICKHENS, CRAIG
GAFFNEY, JOHN
GILBERT, P K
GODINEZ, BRANDY
HERRIN, E R
PULSIFER, ALAN
TANNAHILL, GARY R
12596 ASHWORTH, WILLIAM J
ATTARD, BILL
ROBINSON, JEREMY
TRENT, RAY M
12604 AUSTIN, JOHN F
BISHOP, CHRIS
BLACKBURN, PAMELA
CONN, KEVIN
FEIL, LAURA
FISCHER, WILLIAM
HOWLAND, D L
LEWIS, GEORGE
MILLER, BRENT C
MORRISON, MARCIA
REBSTOCK, CAREY
REEVES, MARY F
SHELTON, GARY
STILWELL, DAN
THORN, JAMES P
VINCENT, BECKY
12612 ARMSTRONG, B
AUSTIN, FITZROY H
BURNS, GERALD L
HOGAN, KEVIN
JORGENSEN, ROBERT
PERRY, JOHN
RANDLE, LINDA
SMITH, DEBRA
TORKI, BAHRAM
WHITE, FRANK
WOODS, ALLEN
12623 NORBERG, JULIA

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OAK KNOLL RD 1995 (Cont'd)

12624	HARMON, EDWARD K
12625	OCCUPANT UNKNOWNN
12643	OCCUPANT UNKNOWNN
12650	OCCUPANT UNKNOWNN
12711	OCCUPANT UNKNOWNN
12718	OCCUPANT UNKNOWNN
12720	DESCOLLONGES, STEPHEN L
12724	TU, C
12732	BANCROFT, HAZEL M
12736	FLEMING, CHARLES J
12742	OCCUPANT UNKNOWNN
12750	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 1992

12219 ZELONES, P A
12223 HEINY, MICHAEL L
SEELER ENTERPRISES
12237 THORNBURY PWY NRSRY
12249 K R C ROCK
12271 OAK KNLL DAY SCHOOL
12280 PAW PRINT GROOMING
12285 FOUR FLAGS WEST EST
12307 CARPET CONTRACT SRV
QUICKCAD INC
SUB MARINA INC
12315 AMER FED TCHRS 2357
ARNOLD F&ASCTS
DORMAN DONALD W CPA
FULL SWING GOLF
MERRY MAIDS INC
REALTY WORLD STNKNG
SMITH S R APPRSL CO
VAC A FLEA
12321 KANE MNTNC SYSTEMS
12323 WANITAS HAIR SALON
12334 MONTESSORI OAK KNOL
12341 OLAH, N P
12343 MAYFLOWER CONTRACT
12344 BEST WATER DSTRBTR
GREGORY REALTY
LOGOS FMLY CARE CTR
MONARCH PROMOTIONS
SOFTKEY INC
12351 T N R LNDSCPG MNTNC
12418 STEVENS, WILLIAM R
12425 BOULDER OAKS APTS
FONTANILLA, E A
HAMILTON, R S
MEAD, H S
SELLERS, CLYDE W
12430 ARNOLD, CHARLES B
DUFVA, HELEN
MARSHALL, STEVEN
WESTSIDE APARTMENTS
12440 LANDMARK, TERESA
MARTINEZ, JESUS JR
MARTINEZ, M L
MARTINEZ, SUSANA
OASIERRA, F
PALACIOS, G
VEGA, FERMIN
12455 ABBAS, JAFAR
EVERING, ANDREA
HALTE, B

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 1992 (Cont'd)

12455 HOLLYDALE APTS
PHILLIPS, E L
RAMIREZ, GEORGE R
12500 TOMA, HILAR
12502 KNEELAND, GEORGE
POWAY PALMS APTS
12506 JOHNSON, C M
12509 BOJORGES, ROSA M
ENGLAND, ROBERT F
NICHOLS, MATTHEW
OAK KNLL VILLAS
RIEDEL, DAVID
RUBIC, ROBERT
SINGIAN, RICARDO T
TIJIDOR, EDITHA
12510 FUGLEBERG, GLEN R
HUELSKAMP, LORI
JAHNS, GEORGE I
KALOZ, A
MORAN, PATRICK T
NGUYEN, KHAI C
OLSON, GARY M
ORANGE GARDEN
SHEA, D
SHEA, PHILLIP
SPROUL, JOHN
TAYLOR, LAMBERT
12529 ADDISON, WENDY
OPINION, ZALDY
REYES, C D
SMITH, BEVERLY J
12532 CARPENTIER, SCOTT
CLAYTON, JERALD W
COLLINS, ANDRE
FARRELL, S
12540 LOWE, C
LOWE, J
MCLAUGHLIN, DOUG
NOBLE, DAVID
12547 MONTE VISTA APTS
12548 BROWNING, ARTHUR
FUNK, DANIEL
MALLETTE, MELODY
12556 COUNTRYSIDE APTS
12564 DOOLEY, STEVEN
INNOVATV FUNDING SV
KOWALEWSKI, EDWARD
STORSTEEN, MARK
12572 BENNETT, K
BRANNON, D L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

OAK KNOLL RD 1992 (Cont'd)

12572 FOLLIS, GARY
GALLO, NEAL R
MAKAREM, HEKMAT
SIVERTSON, TIMOTHY
12580 MANCILLA, VALMA
MCLAUGHLIN, KENNETH
MENGES, DARRYL
12588 DRURY, DEBORAH
GEHANT, CURTIS
HUTCHINGS, JAMIE
12596 ATTARD, BILL
12604 DARAKAHSHAN, JAMSHID
ENYEART, KIRBY
SCHMID, JERRY D
SMITH, MARK
12623 POLLACK, KENNETH R
12624 HARMON, EDWARD K
12718 EATON, STEVE
12724 TU, C
12732 BANCROFT, HAZEL M
12736 FLEMING, CHARLES J
12750 MEYN, DONALD H
12817 WILLIAMS, HARRIET J
12829 OGLE, NEIL E
12841 BECKMAN, OPAL
12847 GARCIA, JESS
12905 NEMEC, ROBERT M
12911 MCCLEARY, PAUL E
12945 TIPPS, GARY T
12961 QUICK, DAVID R

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OAK KNOLL RD 1986

OAK KNOLL RD 92064
POWAY

12219	XXXX	00	
12223	HEINY MICHAEL L	748-2342	4
	BEELER ENTERPRISES	746-4600	4
12237	SMITHS POWAY NURS	748-2254	3
12249	POWAY LNDSCPE&MTRLS	748-3953	1
12269	XXXX	00	
12271	CHARLEBOIS INS SERV	746-9020	1
	CHARLEBOIS INS SERV	746-4246	1
	MOORE RONALD E	486-0106	5
	POWAY INSURANCE	746-4246	2
12286	FOUR FLAGS WEST EST	748-9300	8
12307	CRYSTAL ROSE THE	746-7767	5
	LESSNER JOHANNA PHD	746-4323	
	LESSNER MILTON PHD	748-4323	
	OAK KNLL FMLY THRPY	746-4323	9
	POWAY BERNARDO INS	748-5000	4
	PSYCHODIAGNOSTC CTR	748-4323	2
	PSYCHODIAGNSTC CTR	566-6720	+6
	SCOTT SHERI PHD	748-4323	9
	SKIN CARE CLNC 911	486-4148	+6
	911 SKIN CENTER	486-4148	+6
12315	DOUBLE J CORP	486-4674	5
	F ARNOLD&ASSOC INC	486-4340	5
	HARMONIUM	676-1961	5
	HARMONIUM POWAY	67B-1961	
	HARMONIUM POWAY	466-1B1D	6
	LOOMIS BUDGET	486-4587	5
	MERRY MAIDS INC	746-2700	+6
12321	XXXX	00	
12323	BASKET IMPORTS	748-3B10	8
	WANITAS HAIR SALON	746-3B1D	1
12324	XXXX	00	
12334	MONTESSORI OAK KNOL	456-0346	3
	OAK KNLL MNTSSR CNT	486-0346	3
	OAK KNLL MONTESSORI	456-0346	
12335	XXXX	00	
12340	XXXX	00	
12341	OLAH NICKOLAS	748-1638	3
12344.....	BUILDING		
	AMER FDRTN TCH 2357	74B-1015	2
	APPELATE ADVOCATES	74B-6400	1
	CHEROSKYS REFRIGRTN	746-D580	+6
	COATS WILBUR L	74B-6612	6
	DEKOVEN STAN E	746-9248	5
	FIDELITY UNION LIFE	586-0433	6
	GRAHAM JEANNIE INV	486-0094	5
	GUSKY ROBERT	748-6400	
	PELICAN FMLY INST	746-9248	5
	PENTECOSTAL CH	74B-7470	+6
	POWAY FEDERATION	746-1D15	2
	POWAYS PENTECOSTAL	746-7470	+6
	STEWART PATRICIA RN	456-0250	4
	BURETY LIFE INS	586-0433	+6
12344.....			
12350	KETTNER MELVIN G MD	4B6-2670	9
	MEADOR BETTY D PHD	466-2570	9
12351	T N R LNDSCPG MNTNC	271-5611	5
12416	PILGRIM JOHN	748-7391	3
	PILGRIM LEAH	748-7391	
12418	XXXX	00	
12425.....	BOULDER OAKS APTS		
	ABERNETHY PATRICK L	748-7364	4
	AGERTON CHAS	748-8985	2
	ASH CARL	486-0496	5
3B	BEIMER PAUL G	748-7486	0
	BOOTH L	486-4449	+6
2A	BOULDER OAKS APTS	74B-0702	9
	BRITTAN M	748-7077	5
	BRITTAN T	748-7077	
	BROOKES LORI	748-4469	+6
	BROOKES RANDY	748-4469	+6
	BROSCOVAK DARLENE	486-2168	4
1I	BROWN MARK	748-1040	
	BROWN SALLY	748-1040	0
	CARROLL ARCHIE	486-4520	+6
	CARROLL LORI	486-4520	+6
	COMER CARL	748-3083	+6
	CURLEY MARK	486-2168	4
	DAVIS LEON B	748-4383	+6
	DEEDS DEBRA	748-8040	+6
	DIRDO ALETA J	748-0213	2
	FEEZELL EDW L	486-4055	+6
	GRINTJES CHRISTINE	748-8040	+6
	HEINEMANN MATHEW	748-0785	6
	JAYE H	748-5835	
	JAYE M	748-5836	6
	KING TIM R	746-6173	6
	KINSFATHER HAROLD	748-2408	+6
2B	KNOX GEO A 2D	748-8941	1
	KORMOS PETER M	486-3180	3
	LEE DAN	748-5368	+6
	LEE PAT	748-5368	+6
	MCCRORY E A	746-6481	4
	MENEFEE W	748-3517	5
	MEYER CHRISTOPHER J	486-1882	+6
2D	MOSKOWITZ P	748-4970	9
3H	NICOL KENNETH	748-3849	1
	NICOL MARYANNE	748-3849	
	PARKER JEFFREY	748-2743	4

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OAK KNOLL RD 1986

. OAK KNOLL RD 92064 CONT..
RASMUSSEN MATTHEW 486-1682 +6
2E REEVES C 748-4135 1
RICE M 748-1212 +6
RILEY L 748-7330
RILEY MICHAEL E 748-7330 3
ROBERTS JIM 748-2408 +6
ROMO CARL J 486-0656 2
6A **S&S CARPET CLEANERS 486-2494**
SELLOW PAUL 486-3461 +6
SELLOW PAUL P 486-2494
SMITH GLENN 748-1238 +6
TUBB K 748-8754 5
VANDERVORT PATRICK 486-1766 2
WMOBLE MICHELLE 748-1238 +6
12426.....
12429 XXXX 00
12430..... WESTSIDE APTS
33 BISHOP J A 748-2516 1
BRECHBILL BUD 486-0604 +6
CASTRO MIKE 748-7602 +6
CLAYWELL MARK 748-4667 4
DENSER J H 748-3443 +6
DONNELLY L 486-4435 +6
DOYLE DALE 486-2078 5
DOYLE MICHELLE 486-2078
DRAYTON JOANNE 486-2091 3
DUFVA HELEN 748-8493 +6
9 GHIRARDI MARGUERITE 486-3376 0
GREEN TERRI 748-4667 4
GUY NORENA 748-0450 4
HAFGREN A L 748-1181 5
HALFGREN A L 748-1181
KADOSCH ALBERT 486-0179 +6
KADOSCH PATRICIA 486-0179 +6
MARTIN A 486-1196 +6
MATTERN STEVE P 748-0650 4
MEADOR R A 486-4192 +6
29 MEDDING& INGRID 748-9659 0
ROCKWAY CHRIS 486-4578 5
SARTO B L 458-4517 +6
23 SCHOLFIELD J 748-9137 1
SHRAKE K W 748-7121 +6
WALKER ROBERT D 486-3119 3
WALLACE EVONNE 486-1543
WALLACE MARK 486-1543 5
1 **WESTSIDE APARTMENTS 748-2040**
WHITE ERMA 486-1044 5
12430.....
12440..... OAK KNOLL APTS
ANDERSON KEVIN 748-9365 +6
ARNOLD TIMOTHY H 486-2489 +6
BAUMGARTNER LORI L 748-5427 5
CAMPBELL DAVID J 748-3837 2
CLAYTON CHAS 486-3476
CLAYTON ELIZABETH 486-3476 5
DIAL WILLIS 748-6398 +6
GRISSO LEWIS 486-0666 5
HARROUN DAVE 486-2455 5
KENNEDY GREG 486-1235 5
MCCARTHY PAUL 486-2455 5
NAVARRO JULI 748-9209 +6
NAVARRO ROBERT 748-9209 +6
OAK KNOLL APTS 271-7061 +6
OLIVER REBECCA 488-3382 5
PELCHAT MIKE J 486-1624 5
PICOTTE MARY E 486-1613 +6
SIMMONS GERI 748-9483 5
STORLIE DEBBY 748-6398 +6
12440.....
12466..... HOLLYDALE APTS
2B ACAMPORA GOLDIE 486-3084 0
ALLEN CHAS 748-5273 2
BECKER R L 748-1130 3
BELTCHEV V 748-0951 4
BRYANT PEGGY 488-2007 +6
BRYANT RUSTY 488-2007 +6
BURK DEENA 486-0319 2
BURK GREGORY E 486-0319
4B CHAPMAN JOHN A 748-0150 6
ELLEFSEN DAVID R 486-1012 4
GROTZ CHARLES V 748-5784
GROTZ CHAS V 748-5784
3D GUELKE JOHN G 748-5817 1
HALTE B 271-8049 4
HARPER CHERYL 748-7366 +6
HARPER RON JR 748-7366 +6
HAWKINS R B 486-0055 2
3D **HOLLYDALE APTS 748-9092** 8
LEE L 748-7639 4
3A MCFALL STEVEN 486-3424 0
MEDLIN S 748-2138 +6
MEDLIN T 748-2138 +6
MEISSNER ROBT JR 748-0541 2
MILLS LORI 486-1363
MILLS RANDY 486-1363 4
4J NORDSTROM LOUIS W 748-7682 0
3G ORTH GEO 486-3569 9
PHILLIPS E L 748-2667 4
RHODES D G 748-8266 3
RICE WAYNE 748-2608 1
SMITH DONALD E 748-9646 2
4F STANFORD I B 748-8601 8
1F STUART S J 748-4714 0
TANG VINH 486-2175 +6
WALLACE V 748-4917 2
12465.....
12457 XXXX 00
12460 XXXX 00
12600 DODD KELLY A 486-2140 +6
HAGAN DAVID T 486-2140 +6
PEDERSEN C 748-3061 +6
WILCOX ANTHONY C 748-8308 3
WILCOX PAT 578-6564 5
WILCOX TONY 578-6564
12502 GALLAHER A 748-8539 2
MILLER DEBRA 748-6307 +6
12504 LUDWIG D K 748-6765 5
RODRIGUEZ FRANKLIN 748-0622 +6
VERSARI ENRICO 486-1461 4
12506..... APARTMENTS
BAILY LAURA L 748-8742 5
BAILY ROBIN M 748-8742
LAURITZEN CINDY 486-2615 5
MCGILLIS DAVID 748-6371 +6
MCGILLIS JENNIFIR 748-6371 +6
RATHOD NARENDRA 748-6370 4
RICHARDSON MARCI 748-6371 +6
SHERWOOD DOUG 486-0623
SHERWOOD KAREN 486-0623 5
WILCOX CHRIS 748-4064 3
12506.....
12508 XXXX 00
12609..... OAK KNOLL VLAS
ANDREWS RICHARD 748-8629 5
ARCHER LAURA 486-3111 +6
BARASCH EVA 748-3075 +6
BARASCH MIGUEL 748-3075 +6
BARKER JAMES R 486-2005 4
12B BUSBY CRAIG A 486-3522 1
CASTILLO JIMMY P 748-9152 4
COSTELLO DENNIS M 748-1379 5
COURTS JEFF 486-1496 +6
COURTS KATHY 486-1496 +6
DENNISON GARY 486-1376 +6
DIX RICHARD L 486-3667 +6
FABIANO RENEANN 486-4510 +6
FITTING ERIK 486-2411 5
GRAHAM DANL P 748-4768 0
HARDISON M 486-4989 4
HARDISON S 486-4989
HASTY FRED 748-7782 5
INFANTE MYRNA 748-1504 4
INFANTE VICENTE 748-1504
19B KINCHEN R H 748-6820 0
LOVING S J 271-4465 5
4A MAGGY JIM 748-8147 0
MAGGY LYNN 748-8147

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OAK KNOLL RD 1986

OAK KNOLL RD 92064 CONT..

MALICZICZN MICHAEL 566-0840 4
MASTROLANNI PHILLP 748-2045 4
NEEDHAM CINDY 748-4849 5
OAK KNOLL VILLAS 486-1557 5
OCAMPO THOMAS M 566-8218 5
RIZZO PATRICIA J 486-2289 1
ROLLINS FRED W 748-2641 4
SWAIN CLAIR R 486-1433 5
THOMPSON ELAINE 486-3255 5
TOCCO THOMAS 486-2677 4
WEBBER ERIC 748-3167 +6

12509
12S10 ORANGE GARDENS
SB AXTMAN L 486-2558 1
BISHOP K 748-5604 0
BOWER DAVID 748-0353
BOWER KAREN 748-0353 5
COOPER ANTHONY J 486-4213 +6
CUSELLA NINO 486-2451 5
DECOTEAU RAYMOND F 748-7882 4
DRAYTON JOS 486-4618 5
DUFRESNE CLIFFORD 748-9260 +6
FINLAY DAN 486-4526
FINLAY DIANE 486-4526 5
GHERING JACQUELINE 748-6619 5
GIBBY C 748-0357 5
GIBBY DAVID B 748-0357
GRIMES H O 748-9260 +6
5C HAMILTON W W 748-1502 1
HICKMAN ROBT A 486-2686 5
HITCHCOCK H D 486-0585
HITCHCOCK S 486-0585 5
JAHNS GEO I 748-0024 5
4C KESNER RONALD H 748-8739 7
MCLEOD CHIZUKO 486-4583 +B
NELSON ROBT D 486-0394 +B
6E ORANGE GARDEN 748-9090
PIKE ROBT L 486-2365 5
RECTOR HARTMAN JR 486-2188 3
3B SMILLIE ROBT J SR 486-3149 0
SMITH EDWARD SAMUEL 486-4276 +B
SMITH WAYNE 486-0579 5
STORY MICHAEL 748-3082 5
TABLER GEO 748-5342
TABLER TARA 748-5342 5
3J TURK EDW G 748-5562 8
5D UHLMAN WALTER 748-3242 1
WASMUND SUE 486-0579 5
WISSING M 486-2767 +B

12S10
12S29 PARK POWAY APTS
ANDERSON CHARLES W 748-5624 +6
BLANK S 748-9492 5
HOEG CHAS J 748-6519 5
JACKSON NANCY J 748-4540 5
MCBRIDE TONY B 748-0318 5
OAK KNOLL 748-1497 4
PEARCE ALBERT 748-1598 5
RIVERA FRANK S 486-1338 3
SAIA GINA 748-3034 +6
SCATES LLOYD 748-1168 5
SCATES SABINE 748-1168
SNEED ROGER 486-4556 5
WOOD M C 748-8129 4

12529
12S32 APARTMENTS
BEHNKE ROBT 748-2454 +B
DOBBINS DEBBIE 748-6821 +B
DOBBINS KELLY 748-6821 +B
HALEY ELMER L 748-9359 +B
HARRIS DON 748-3638 +6
LARIVIERE RICHARD 486-3620 +6
MCCOY DAVID 748-1687 +6
MCCOY KATHY 748-1687 +6
MESSNER RICK 748-5723 +6
REYNOLDS ANN E 748-0237 +6
REYNOLDS MARK L 748-0237 +6
ROBINSON MICHAEL 486-0133 +6
ROHMAN CRICKET 748-3638 +6

12532
12S4D APARTMENTS
ECTON M 748-0617 +6
GUZMAN PHYLLIS J 748-2518 +B
HALL TINA 748-8384 +6
TELISKY JAN 748-5574 +6
WISEMAN MIKE 486-0183 +6

12S40
12547 XXXX 00
12S48 APARTMENTS
GIESON KEVIN 486-2129 +6
IMHOF V 748-2385 +6
MALONE JACK 748-9392 +6
RIVERA RAY 748-1307 +6
THIGPEN EARL 748-6354 +6
WILCOX L 748-8219 +6

12548
12551 NAST J 486-4098 5
SALOMONE NAOMI 486-2758 +6
12564 APARTMENTS
CHIPCHASE CHRIS 748-8331 +6
HALEMAN M 748-8053 +6
KUYKENBALL D 748-7257 +B
LAUDON RONALD E 748-6635 +B
WYCKOFF LANCE 486-2754 +6

12564
12572 MYERS PERRY M 748-3029 +6
12580 SMITH JEFFREY W 486-2757 +6
12588 HOOPES LINN 748-5508 +B
MANATA GARY 486-4669 +B
12596 ROSIN ELMER 486-3115 +6
12612 MARSHALL BARBARA 748-3776 +6
MARSHALL JOHN 748-3776 +6
RHODES LINDA 748-1484 +6
RHODES WAYNE 748-1484 +6
12623 XXXX 00
12624 HARMON EDW K LT USN 748-4460
12625 POSTULKA A 486-4173 3
12643 GARTSIDE C J 486-0434 3
GARTSIDE WM J 486-0434
12702 CHAMBERLAIN A 748-8769 2
12711 XXXX 00
12718 DOUCET CHRISTINE 486-D155 4
12720 DOUCET JOHN 748-0057
DOUCET VIOLET 748-0057
12724 GARNER J R 486-2016 0
12732 BANCROFT HAZEL M 748-1393 8
12736 FLEMING CHARLES J 748-4559 +6
12742 GINN KELLY 486-4466 3
PAOLIN RONALD J 748-2682 0
12750 TOONE DAVID A 748-8114
12811 TITHERINGTON WM K 748-0948 1
12817 WILLIAMS HARRIET J 748-0369
12823 XXXX 00
12829 OGLE NEIL E 748-0972 7
12835 XXXX 00
12841 BECKMAN OPALTUTSY 748-4476 9
BECKMAN TUTSY 566-0589
12847 GARCIA JESS 748-4566 D
12905 CANALES REYMUNDO 748-4240
12911 MCCLEARY PAUL E 748-7291
MCCLEARY VIVIAN M 566-7243 0
12921 BELMAIN D 486-1073 5
12929 AUTEN H R JR 748-2478
AUTEN INTL 695-2335 3
12937 CAVANAUGH JAS T 748-6256
12945 TIPPS GARY T 748-4042
12953 GAILEY DAVE 748-4006 3
12961 BENNETT CORDELL K 748-4092
13005 XXXX 00
13121 XXXX 00
* 55 BUS 325 RES 120 NEW

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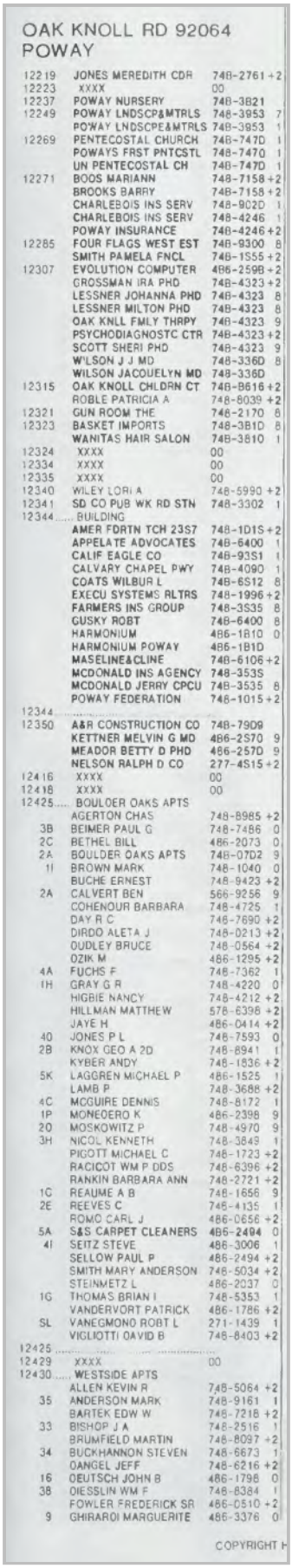
OAK KNOLL RD 1982



OAK KNOLL RD 92064
POWAY

12219	JONES MEREDITH CDR	748-2761 +2
12223	XXXX	00
12237	POWAY NURSERY	748-3821
12249	POWAY LNDSCP&MTRLS	748-3953 7
	POWAY LNDSCPE&MTRLS	748-3953 1
12269	PENTECOSTAL CHURCH	748-747D 1
	POWAYS FRST PNTCSTL	748-7470 1
	UN PENTECOSTAL CH	748-747D 1
12271	BOOS MARIANN	748-7158 +2
	BROOKS BARRY	748-7158 +2
	CHARLEBOIS INS SERV	748-902D 1
	CHARLEBOIS INS SERV	748-4246 1
	POWAY INSURANCE	748-4246 +2
12285	FOUR FLAGS WEST EST	748-9300 8
	SMITH PAMELA FNCL	748-1S55 +2
12307	EVOLUTION COMPUTER	486-259B +2
	GROSSMAN IRA PHD	748-4323 +2
	LESSNER JOHANNA PHD	748-4323 8
	LESSNER MILTON PHD	748-4323 8
	OAK KNLL FMLY THRPY	748-4323 9
	PSYCHODIAGNOSTC CTR	748-4323 +2
	SCOTT SHERI PHD	748-4323 9
	WILSON J J MD	748-336D 8
	WILSON JACQUELYN MD	748-336D
12315	OAK KNOLL CHLDRN CT	748-B616 +2
	ROBLE PATRICIA A	748-8039 +2
12321	GUN ROOM THE	748-2170 8
12323	BASKET IMPORTS	748-3B1D 8
	WANITAS HAIR SALON	748-3810 1
12324	XXXX	00
12334	XXXX	00
12335	XXXX	00
12340	WILEY LORI A	748-5990 +2
12341	SD CO PUB WK RD STN	748-3302 1
12344	BUILDING	
	AMER FDRTN TCH 23S7	748-1D1S +2
	APPELATE ADVOCATES	748-6400 1
	CALIF EAGLE CO	748-93S1 1
	CALVARY CHAPEL PWY	748-4090 1
	COATS WILBUR L	748-6S12 8
	EXECU SYSTEMS RLTRS	748-1996 +2
	FARMERS INS GROUP	748-3S35 8
	GUSKY ROBT	748-6400 8
	HARMONIUM	486-1810 0
	HARMONIUM POWAY	486-1B1D
	MASELINE&CLINE	748-6106 +2
	MCDONALD INS AGENCY	748-353S
	MCDONALD JERRY CPCU	748-3535 8
	POWAY FEDERATION	748-1015 +2
12344		
12350	A&R CONSTRUCTION CO	748-7909
	KETTNER MELVIN G MD	486-2S70 9
	MEADOR BETTY D PHD	486-257D 9
	NELSON RALPH D CO	277-4S15 +2
12416	XXXX	00
12418	XXXX	00
12425	BOULDER OAKS APTS	
	AGERTON CHAS	748-8985 +2
3B	BEIMER PAUL G	748-7486 0
2C	BETHEL BILL	486-2073 0
2A	BOULDER OAKS APTS	748-07D2 9
1I	BROWN MARK	748-1040 0
	BUCHE ERNEST	748-9423 +2
2A	CALVERT BEN	566-9256 9
	COHENOUR BARBARA	748-4725 1
	DAY R C	746-7690 +2
	DIRDO ALETA J	748-0213 +2
	DUDLEY BRUCE	748-0564 +2
	DZIK M	486-1295 +2
4A	FUCHS F	748-7362 1
1H	GRAY G R	748-4220 0
	HIGBIE NANCY	748-4212 +2
	HILLMAN MATTHEW	578-6398 +2
	JAYE H	486-0414 +2
4D	JONES P L	748-7593 0
2B	KNOX GEO A 2D	748-8941 1
	KYBER ANDY	748-1836 +2
5K	LAGGREN MICHAEL P	486-1525 1
	LAMB P	748-3688 +2
4C	MCGUIRE DENNIS	748-8172 1
1P	MONEDERO K	486-2398 9
2D	MOSKOWITZ P	748-4970 9
3H	NICOL KENNETH	748-3849 1
	PIGOTT MICHAEL C	748-1723 +2
	RACICOT WM P DDS	748-6396 +2
	RANKIN BARBARA ANN	748-2721 +2
1C	REAUME A B	748-1656 9
2E	REEVES C	748-4135 1
	ROMO CARL J	486-0656 +2
5A	S&S CARPET CLEANERS	4B5-2494 0
4I	SEITZ STEVE	486-3006 1
	SELLOW PAUL P	486-2494 +2
	SMITH MARY ANDERSON	748-5034 +2
	STEINMETZ L	486-2037 0
1G	THOMAS BRIAN I	748-5353 1
	VANDERVORT PATRICK	486-1786 +2
SL	VANEGMOND ROBT L	271-1439 1
	VIGLIOTTI DAVID B	748-8403 +2
12425		
12429	XXXX	00
12430	WESTSIDE APTS	
	ALLEN KEVIN R	748-5064 +2
3S	ANDERSON MARK	748-9161 1
	BARTEK EDW W	748-7218 +2
3J	BISHOP J A	748-2516 1
	BRUMFIELD MARTIN	748-8097 +2
3A	BUCKHANNON STEVEN	748-6673 1
	DANGEL JEFF	748-6216 +2
1G	DEUTSCH JOHN B	486-1798 0
3B	DIESSLIN WM F	748-8384 1
	FOWLER FREDERICK SR	486-0510 +2
9	GHIRARDI MARGUERITE	486-3376 0

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22	GREEN TIMOTHY C	486-1568 0
	KATSURASAWA ANDY	748-7285 +2
	KISHINO KAZUTO	748-6761 +2
	LAUHEAD RON	748-0703 +2
	LESSNER LOIS K	486-2562 1
29	MEDDINGS INGRID	748-9559 0
	MOYNIHAN S	748-0594 +2
11	RIVKIN P	486-3456 1
10	SANDISON MARTIN S	748-7715 0
23	SCHOLFIELD J	748-9137 1
17	SEARLE H G	748-3561 7
	STONGE P M	748-6544 +2
	TANSEY NANCY	748-5247 0
	TOWNSEND TREVER R	748-2468 +2
	VALERO JOSE	748-8349 +2
1	WESTSIDE APARTMENTS	748-2040 6
	WINTERS MERRIT	486-0463 +2
12430		
12440	APARTMENTS	
	AVILA CARMEN	748-8819 +2
	BERRY CARLA	748-8267 +2
	CAMPBELL L L	748-3837 +2
29	COLLINS JAS	271-7061 1
	CORTEZ HERMAN	748-6468 +2
6	GOOD E M	748-8752 0
	GOODALL DON A	748-9128 1
	GREIMER MICHAEL R	748-5105 +2
24	HARPER MEREDITH	486-3214 1
	KEEN PATRICIA	895-1454 +2
	TELL D	748-6235 +2
	VEGA DANILO A	748-6336 +2
5	WINTERSTEIN KEN	748-6157 1
	WODEHOUSE RONALD A	748-5023 +2
16	ZAPARYNIUK L	748-7020 1
12440		
12455	HOLLYDALE APTS	
2B	ACAMPORA GOLDIE	486-3084 0
	ALLEN CHAS	748-5273 +2
1D	BARCIKOWSKI MARK	486-0326 1
	BURK GREGORY E	486-0319 +2
2A	CALVERT B F	271-8049 5
	CATER W M	748-7708 +2
4B	CHAPMAN JOHN ARNOL	748-0150 6
	COMBS T	748-9209 +2
	CYRAN CHRIS REV	486-2269 +2
	DOLAN WM H	748-6646 0
1A	FADDEN B L	486-0551 1
1N	FOSTERLING JOHN	748-8966 1
2H	GRACE WALTER E JR	578-8482 1
	GROTZ CHAS V	748-5786 +2
3D	GUELKE JOHN G	748-5817 1
	GUMBRELL LISA	486-2578 1
	HAWKINS R B	486-0055 +2
	HERSEY D R	486-1392 +2
3D	HOLLYDALE APTS	748-9092 6
B1K	HUNT THOS LLOYD	748-7906 8
	JENEVIEZ MARGARET J	748-7521 +2
4I	JENSEN JACOB B	748-4609 1
4L	LEARNED DAN	486-2578 1
	LEGG E C	748-7108 +2
1L	MACFARLANE ANN B	748-5884 8
4D	MCCARTHY JAS H 3D	486-0487 1
3A	MCFALL STEVEN	486-3424 0
	MEISSNER ROBT JR	748-0541 +2
	NGUYEN MAU DON	748-3673 1
4J	NOROSTROM LOUIS W	748-7682 0
	NORTHRUP I	486-0583 +2
3G	ORTH GEO	486-3569 9
	POWERS RUTH M	486-3045 1
1M	RABY WM S	486-3097 1
	RICE WAYNE	748-2608 1
	ROSE GERALD	748-5677 +2
4P	RUEGSEGGER MARIANNE	748-3673 1
	SKELLY MICHAEL	895-2487 +2
	SMITH DONALD E	748-9648 +2
4F	STANFORD I B	748-8601 8
1F	STUART S J	748-4714 0
	TANNER RUTH	486-0116 0
	TRUONO PAUL C	486-0551 +2
	WALLACE V	748-4917 +2
	WERTZ A E	748-4999 1
12455		
12457	XXXX	00
12460	XXXX	00
12500	AHRENSBERG JAMIE D	486-3735 +2
	HAMERSKY FRANCIS	748-4264 +2
	MARSDEN ED	748-4264 +2
	PEART WILL	748-5751 1
	RILEY J L	486-1433 +2
12502	AZAD IQBAL	566-9486 +2
	EVERETT JACK	748-6103 +2
	GALLAHER A	748-8539 +2
12504	MAXWELL K	748-7373 +2
	SALOMONE MARIE	748-6350 +2
	VALLETTA ARMAND	748-9671 +2
12506	EVANS KEITH	748-0321 +2
	HIGGINSON DON JR	486-3344 +2
12508	XXXX	00
12509	OAK KNOLL VLAS	
23A	BINGER KENNETH	748-6023 1
4B	BOWYER ROBT	486-2144 0
	BRUIN RICHARD	748-9647 +2
12B	BUSBY CRAIG A	486-3522 1
17A	CERVANTES J MANUEL	748-2492 1
	COLEMAN L	748-1294 +2
	DAVENPORT J C	748-3967 +2
	DEJESUS RAFAELITO	748-8521 +2
	EAGLE RICHARD	748-7547 +2
	FLAX NEAL G	748-9441 +2
26B	FOSTER DENNIS	748-5313 0
	GRAHAM DANL P	748-4288 0
	KENNETH THOS G	748-9421 +2
19B	KINCHEN R H	748-6820 0
9A	KOENIG ROBT	748-8119 1
	LONGWELL MARK A	486-2135 +2
4A	MAGGY JIM	748-8147 0
18B	MCCORD W J	486-3187 1
	MENIUS JEFF L	748-8742 +2
	NARDONE ROSEMARY	486-1294 +2
	NIEDZIELSKI RICHARD	748-5071 +2
9A	OAK KNOLL VILLAS	566-5861 8
2A	PELLETIER M G	748-8134 1
	PORTSCHE KYM	745-2809 +2
22B	RIZZO MARIE	486-2289 1
	SIEFERS DENNIS R	748-0076 +2
	STEARNS MICHAEL	748-2518 +2
14B	SUTTON GERALD F	748-3820 1
	WEESE TIMOTHY J	486-3259 1
	WHEELER M I	748-6712 +2
12509		
12510	ORANGE GARDENS	
5B	AXTMAN L	486-2556 1
	BALVANEDA HECTOR	748-5404 +2
5E	BARNHOUSE RONALD	748-1638 8
2H	BERTRAN ELENA	748-7133 0
	BISHOP K	748-5804 0
1A	CLARK WM B	748-1498 8
	FIELDS E	748-7627 7
	FUCILEBERG GLEN R	486-3503 1
6G	GIBSON RUSSELL	748-0061 1
4I	GIFT R O	486-2312 1
5E	GOODNESS E S	486-1354 1
	GRAHAM S	748-4480 +2
2B	HAMILTON PETER L	486-0035 1
5C	HAMILTON W W	748-1502 1
	HINMAN A M	486-2212 +2
	HOLT RON	748-7897 +2
	KAHN KARL ERIC	748-2177 +2
4C	KESNER RONALD H	748-8739 7
4F	KING B L	748-5063 1
	KLEIN DENNIS	748-1822 +2
	MCCOWAT HUGH SR	748-6017 +2
	NORRIS R	748-9622 0
6E	ORANGE GARDEN	748-9090 6
	PASSAFUME PHILLIP	748-9654 +2
	PETERSON JERRY	748-8346 1
1E	PIKE ROBT L	486-2206 0

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OAK KNOLL RD		92064 CONT	
4G	ROBINSON GERALD S	748-9320	1
	ROBINSON SCOTT	748-6107	+2
	SCHWEITZER C	748-2602	+2
	SEWELL STEVE	748-7407	+2
4A	SIMONDS KIM E	748-8309	1
3B	SMILLIE ROBT J SR	486-3149	0
6F	TAYLOR A	748-5383	8
3J	TURK EOW G	748-5562	8
50	UHLMAN WALTER	748-3242	1
	WILLIAMS K D	486-2223	+2
	ZIMMERMAN DAVE	748-5378	0
12510			
12529	PARK POWAY APTS		
	BROWN K STRATTON	748-4142	+2
	BROWN S K	748-2597	+2
	CARLSTROM ERICA	748-7672	+2
5	CRUSH ARCHIE B	748-3596	6
	DENSMORE E	486-4003	+2
	FOX RANDY	748-1190	+2
	GRIFFIN L J	486-0626	+2
20	GUERRA JESUS	748-6098	1
	LEE DONALD R	486-3260	+2
	LITZ AL	748-3049	+2
	PALMER ROBT	748-3976	+2
	PRUE HELEN R	748-1249	1
	THOMPSON BURTON	486-1471	+2
	WEST JON	695-3407	+2
	WEST MARTIN	486-0317	+2
12529			
12547	HARRISON NORMA	486-1849	+2
12551	CAVANAUGH JAS JR	748-2250	+2
	LAMBROU MILTON	748-8178	9
	WISE DOUG	486-0024	1
12623	XXXX	00	
12624	HARMON EOW K LTUSN	748-4460	
12625	BLOUIN SHIRLEY A	486-0929	+2
12643	VAIL GORDON W JR	486-0434	1
12702	CHAMBERLAIN A	748-8769	+2
12711	XXXX	00	
12718	LIPOUFSKI BEN	748-7325	+2
12720	DOUCET CHRISTINE	486-0155	+2
	DOUCET JOHN	748-0057	
	DOUCET VIOLET	748-0057	
12724	GARNER J R	486-2016	0
12732	BANCROFT HAZEL M	748-1393	8
12736	XXXX	00	
12742	PAOLINI RONALD J	748-2582	0
12750	TOONE DAVID A	748-8114	6
12811	TITHERINGTON WM K	748-0948	1
12817	WILLIAMS HARRIET J	748-0369	
12823	XXXX	00	
12829	OGLE NEIL E	748-0972	7
12835	XXXX	00	
12841	BECKMAN OPALTUTSY	748-4476	9
	BECKMAN TUTSY	566-0589	6
12847	GARCIA JESS	748-4566	0
12905	CANALES REYMUNDO	748-4240	
12911	MCCLEARY PAUL E	748-7291	6
	MCCLEARY VIVIAN M	566-7243	0
12921	BELMAIN V C	748-4965	0
12929	AUTEN H R JR	748-2478	
12937	CAVANAUGH JAS T	748-6256	4
12945	TIPPS GARY T	748-4042	5
12953	FILLHARD P A	748-6821	0
	HAZARD P A	748-6821	9
12961	BENNETT CORDELL K	748-4092	
13005	XXXX	00	
13121	XXXX	00	
*	52 BUS 269 RES	131 NEW	

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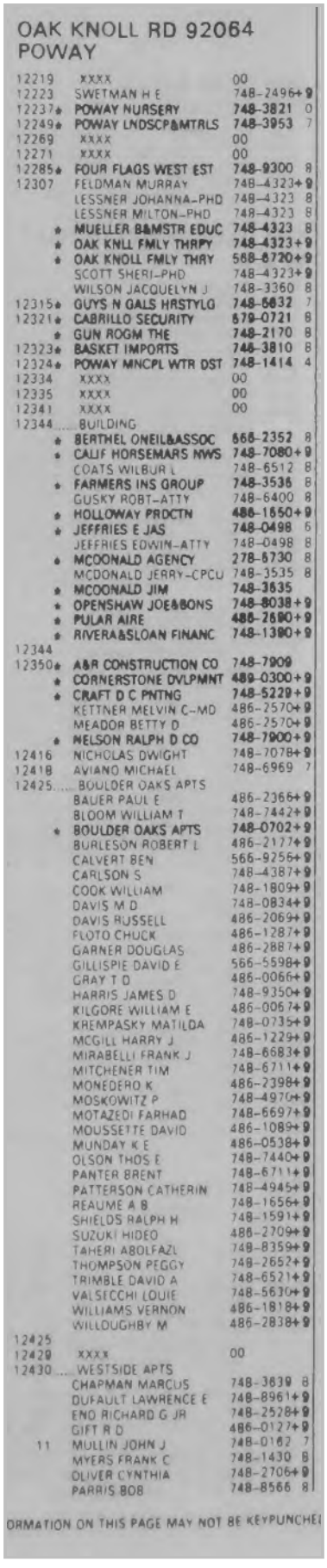

OAK KNOLL RD 92064
POWAY

12219	XXXX	00	
12223	SWETMAN H E	748-2496	+9
12237	★ POWAY NURSERY	748-3821	0
12249	★ POWAY LNDSCP&MTRLS	748-3953	7
12269	XXXX	00	
12271	XXXX	00	
12285	★ FOUR FLAGS WEST EST	748-9300	8
12307	FELDMAN MURRAY	748-4323	+9
	LESSNER JOHANNA-PHD	748-4323	8
	LESSNER MILTON-PHD	748-4323	8
	★ MUELLER B&MSTR EDUC	748-4323	8
	★ OAK KNLL FMLY THRPY	748-4323	+9
	★ OAK KNOLL FMLY THRY	588-8720	+9
	SCOTT SHERI-PHD	748-4323	+9
	WILSON JACQUELYN J	748-3360	8
12315	★ GUYS N GALS HRSTYLG	748-5832	7
12321	★ CABRILLO SECURITY	679-0721	8
	★ GUN ROGM THE	748-2170	8
12323	★ BASKET IMPORTS	748-3810	8
12324	★ POWAY MNCPL WTR DST	748-1414	4
12334	XXXX	00	
12335	XXXX	00	
12341	XXXX	00	
12344	BUILDING		
	★ BERTHEL ONEIL&ASSOC	566-2352	8
	★ CALIF HORSEMARS NWS	748-7080	+9
	COATS WILBUR L	748-6512	8
	★ FARMERS INS GROUP	748-3536	8
	GUSKY ROBT-ATTY	748-6400	8
	★ HOLLOWAY PRDCTN	486-1650	+9
	★ JEFFRIES E JAS	748-0498	6
	JEFFRIES EDWIN-ATTY	748-0498	8
	★ MCDONALD AGENCY	278-6730	8
	MCDONALD JERRY-CPCU	748-3535	8
	★ MCDONALD JIM	748-3535	
	★ OPENSHAW JOE&SONS	748-8038	+9
	★ PULAR AIRE	486-2590	+9
	★ RIVERA&SLOAN FINANC	748-1390	+9
12344			
12350	★ A&R CONSTRUCTION CO	748-7909	
	★ CORNERSTONE DVLPMNT	489-0300	+9
	★ CRAFT D C PNTNG	748-5229	+9
	KETTNER MELVIN C-MD	486-2570	+9
	MEADOR BETTY D	486-2570	+9
	★ NELSON RALPH D CO	748-7900	+9
12416	NICHOLAS DWIGHT	748-7078	+9
12418	AVIANO MICHAEL	748-6969	7
12425	BOULDER OAKS APTS		
	BAUER PAUL E	486-2366	+9
	BLOOM WILLIAM T	748-7442	+9
	★ BOULDER OAKS APTS	748-0702	+9
	BURLESON ROBERT L	486-2177	+9
	CALVERT BEN	566-9256	+9
	CARLSON S	748-4387	+9
	COOK WILLIAM	748-1809	+9
	DAVIS M D	748-0834	+9
	DAVIS RUSSELL	486-2069	+9
	FLOTO CHUCK	486-1287	+9
	GARNER DOUGLAS	486-2887	+9
	GILLISPIE DAVID E	566-5598	+9
	GRAY T D	486-0066	+9
	HARRIS JAMES D	748-9350	+9
	KILGORE WILLIAM E	486-0067	+9
	KREMPASKY MATILDA	748-0735	+9
	MCGILL HARRY J	486-1229	+9
	MIRABELLI FRANK J	748-6683	+9
	MITCHENER TIM	748-6711	+9
	MONEDERO K	486-2398	+9
	MOSKOWITZ P	748-4970	+9
	MOTAZEDI FARHAD	748-6697	+9
	MOUSSETTE DAVID	486-1089	+9
	MUNDAY K E	486-0538	+9
	OLSON THOS E	748-7440	+9
	PANTER BRENT	748-6711	+9
	PATTERSON CATHERIN	748-4945	+9
	REAUME A B	748-1656	+9
	SHIELDS RALPH H	748-1591	+9
	SUZUKI HIDEO	486-2709	+9
	TAHERI ABOLFAZL	748-8359	+9
	THOMPSON PEGGY	748-2652	+9
	TRIMBLE DAVID A	748-6521	+9
	VALSECCHI LOUIE	748-5630	+9
	WILLIAMS VERNON	486-1818	+9
	WILLOUGHBY M	486-2838	+9
12425			
12429	XXXX	00	
12430	WESTSIDE APTS		
	CHAPMAN MARCUS	748-3639	8
	DUFAULT LAWRENCE E	748-8961	+9
	ENO RICHARD G JR	748-2528	+9
	GIFT R D	486-0127	+9
11	MULLIN JOHN J	748-0162	7
	MYERS FRANK C	748-1430	8
	OLIVER CYNTHIA	748-2706	+9
	PARRIS BOB	748-8566	8

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REYES ARTHUR 748-0543
RILEY WESLEY K 486-1597
SCHOFIELD J 748-9137
12 SEARLE H G 748-3561 7
SIEBESTA TERRENCE L 748-6577
1 SHIELDS G 748-5307 8
SUCKY MARTIN 566-9599 8
SWANGIN LYNN C 486-1668
UTGARD I 748-8071 8
WALTON S 748-8741
* WESTSIDE APARTMENTS 748-2040 6
WOOD C J 748-9581
18 YAGER M C 748-6063 5
7 ZUPANCIC RICHARD 748-7107 7

12430
12440 ....APARTMENTS
BURGESS JAS D 748-3960 8
ELIAS DAVID 486-1039
FARRELL PHILIP 486-0293
FITZWATER CHARLES 486-1338
GRAHAM JAMES R 748-8017
HOARD VIRGIL D 486-1738
JACOBS D S 486-2467
JOHNSON ROGER 486-2789
JOHNSTON GARY L 486-0759
LORENZEN SCOTT 748-7748 8
MILLER JACK L 486-0579
ROBBINS RAYMOND O 748-5284
SADRI ABBAS 486-0036
31 SALBORO LEANDER 748-8806 7
SIMMONS GREGORY 486-3978
SMITH A P 486-2659
STALEY CANDY 748-2319
STOLEBARGER R F 748-7639
TARBOX G L 748-3495 8

12440
12455 ....HOLLYDALE APTS
CALHOUN E M 748-2497
CALVERT B F 271-8049 8
CAMPBELL M 748-6926
CHAPMAN JOHN ARNOL 748-0150 8
CIACCIO ROBERT 748-6239
CLARK WM&LYDIA 748-5238 8
COMMENT WM J 748-0262 8
DALE PAUL M 748-2104 8
DECKER S A 748-6239
FARREL GREGORY T 486-2248
FRANSEN J 486-0069
GREENWOLD J L 748-4332 8
HEIDENREICH R 748-1168
* HOLLYDALE APTS 748-9092 8
HUNT THOS LLOYD 748-7205 8
HUNT VAUGHN SR 748-3420
HUTCHINSON CINDY 748-3787
IRBY ROY N 748-5208
JACKSON M D 748-1436 8
KENYON WM 748-9209 8
KILLEEN STEPHEN 486-1268
KING RAYMOND A 486-0249
KINSLER ANNE 748-9751 8
KINSLER SHERRILL 271-9106
MACFARLANE ANN B 748-5884 8
MORAWE A W 566-5923 8
ORTH GEO 486-3569
PHILLIPS MICHAEL B 748-5471 8
POORE R L 748-8378 8
PORTER PAIGE 748-9135 8
RATCLIFF RON 748-2637 8
RIDOUT RANDALL 748-6752
SALO ANN 748-8417
STANFORD I B 748-8601 8
STOCK MICHAEL 486-2728
STRAW L M 486-0308
SWANBECK M E 566-5418 8
THOMAS B 748-3740
VANCE RANDY 748-9269 8
VOGT ROSE 486-3788
VONSPRECKEN B F 748-4653
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BAUM KEN 486-3589
CAMPILLO W J JR 748-2309
CONNORS GLORIA 748-8783
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HEALEA RANDY G 748-8726 8
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HOWARD GLEN 748-4854
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MATHEWS E 486-0659
MEADOWS BEN 748-8609
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MORSE CLIFF 748-4167
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NOSSAN GENE 748-0254
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PASCO GLEN 486-2337
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SAMII MAJID 748-2437
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SOUCY ROBERT 486-1459
STEPHENS JAMES M 748-9211
SUND B 486-3789
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WRIGHT GREG 748-2597

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CARR MARTIN 486-3688
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6A DAVIS DOLLY V 748-1483 7
3F FIELDS S P 748-7627 7
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GRUETTER K 748-2744
GRUNDHAUSER A 748-3735
GUTHAUSER EARL J 748-4341 8
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HEROLD S 486-3072
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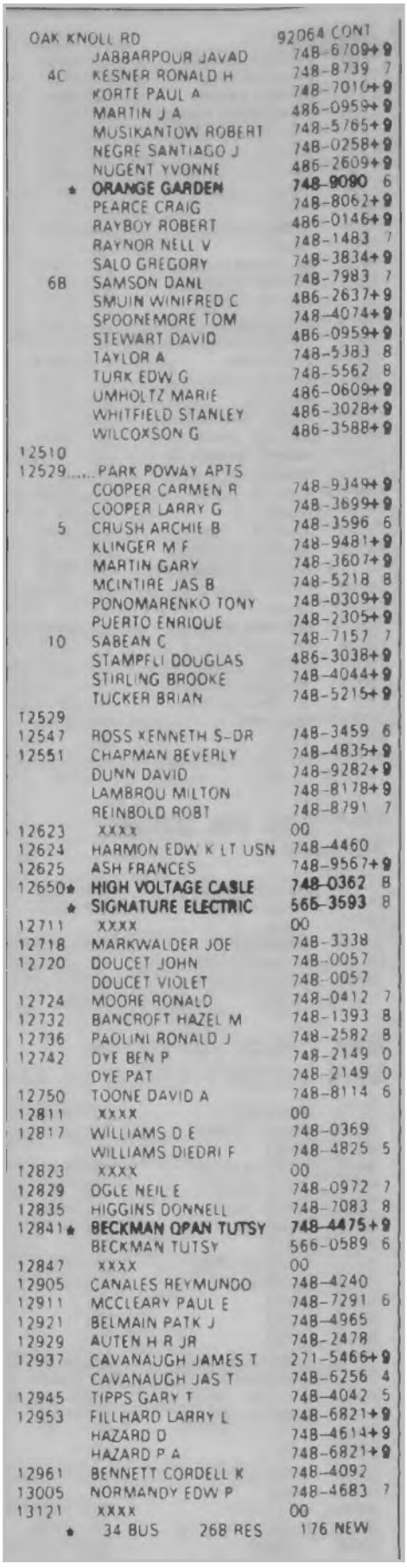
OAK KNOLL RD 1979



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	SPOONEMORE TOM	748-4074+9
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	COOPER LARRY G	748-3699+9
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	KLINGER M F	748-9481+9
	MARTIN GARY	748-3607+9
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	PONOMARENKO TONY	748-0309+9
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	STAMPFLI DOUGLAS	486-3038+9
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	DUNN DAVID	748-9282+9
	LAMBROU MILTON	748-8178+9
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12625	ASH FRANCES	748-9567+9
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*	**SIGNATURE ELECTRIC**	**565-3593** 8
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	DOUCET VIOLET	748-0057
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	DYE PAT	748-2149 0
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12817	WILLIAMS D E	748-0369
	WILLIAMS DIEDRI F	748-4825 5
12823	XXXX	00
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12911	MCCLEARY PAUL E	748-7291 6
12921	BELMAIN PATK J	748-4965
12929	AUTEN H R JR	748-2478
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	CAVANAUGH JAS T	748-6256 4
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	HAZARD D	748-4614+9
	HAZARD P A	748-6821+9
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*	34 BUS 268 RES	176 NEW

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OAK KNOLL RD 1975

OAK KNOLL RD 92064 POWAY

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*NELSON RALPH O CO 748-7900 4
*POWAY FACULTY ASSN 748-1159+5
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CHAPMAN JOHN A 748-0150 1
CHATTEN CALVIN R 748-6425+5
DIEKMANN K W CWO 748-6291 4
GADSBY BOB 748-7307+5
GOLDSTEIN GIZELLA 748-3346+5
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JOHNSON LYNN C 748-4702+5
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2 KENERSON ROGER 748-6292 4
KENNEY MAC 748-1458+5
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REED WILEY H 748-3647+5
SAMUELSON C 748-0969+5
SAYLES ROBT T 748-7307+5
10 SCHLOESSER DELL D 748-7418 4
1 SHIELDS G 748-5307 2
SMITH VICTOR M 748-2768+5
24 TROWBRIDGE PATRICK 748-5380 3
21 WEBBER MAYNARD W JR748-4986 4
*WESTSIDE APPARTMENT748-2040 1
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YAGER M C 748-6063+5
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WHITE ROBT NEAL 748-7679+5
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BURIAN L J 748-9493+5
CERCOPELY WM H 748-5576+5
CLOUS BRENT 748-4094+5
COLDSNOW STANLEY 748-9566+5
DARCHE DONALD C 748-2329+5
DAVIS S 748-9742+5
EVES DALE 748-5217+5
FLORES RANDY 748-8910+5
HARGROVE S J 748-3532+5
HARTLEY JOANN 748-0910+5
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KIMBLER TERRY 748-4094+5
KOLSKY LARRY 748-7718+5
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WEIDEMANN RONALD E 748-8791+5
WOOD JOHN C 748-3921+5
WOOD R L 566-6928+5
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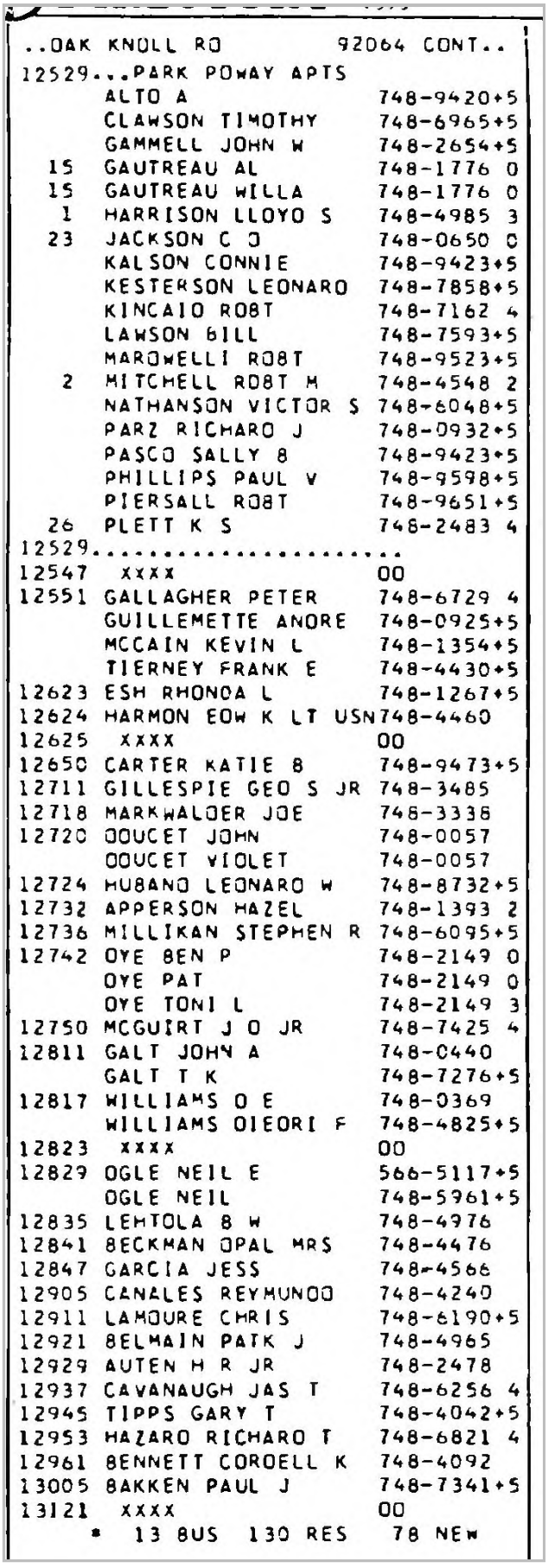

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	TIERNEY FRANK E	748-4430+5
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	DOUCET VIOLET	748-0057
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	WILLIAMS DIEORI F	748-4825+5
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	OGLE NEIL	748-5961+5
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OAK KNOLL RD 1971

OAK KNOLL RD 92064 POWAY

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12418 REEL LINDA 748-3337 0
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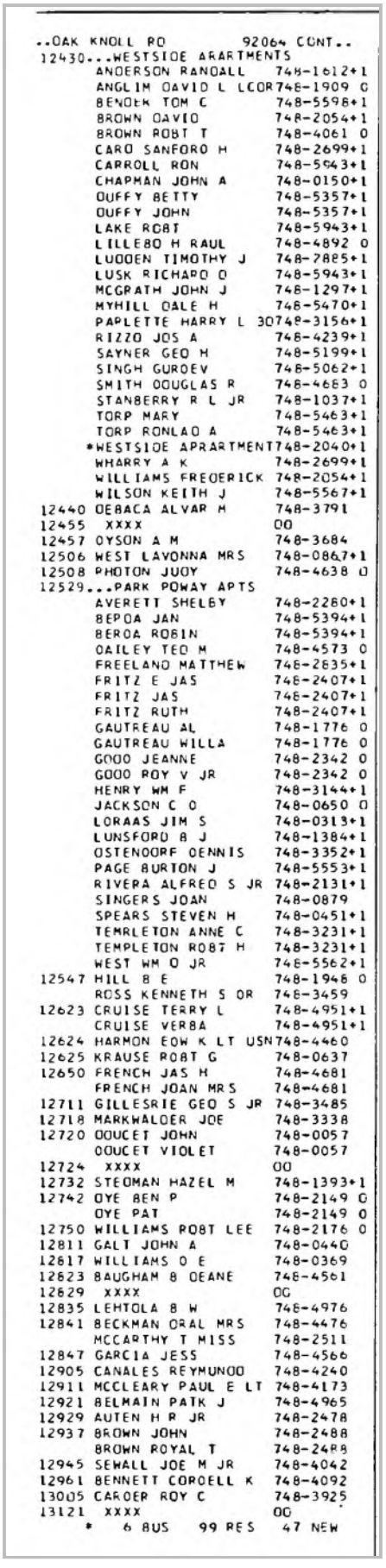

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CARROLL RON 748-5943+1
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MCGRATH JOHN J 748-1297+1
MYHILL DALE H 748-5470+1
PAPLETTE HARRY L JR 748-3156+1
RIZZO JOS A 748-4239+1
SAYNER GEO H 748-5199+1
SINGH GURDEV 748-5062+1
SMITH DOUGLAS R 748-4683 0
STANBERRY R L JR 748-1037+1
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TORP RONLAD A 748-5463+1
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WILLIAMS FREDERICK 748-2054+1
WILSON KEITH J 748-5567+1
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12455 XXXX 00
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GAUTREAU AL 748-1776 0
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PAGE BURTON J 748-5553+1
RIVERA ALFRED S JR 748-2131+1
SINGERS JOAN 748-0879
SPEARS STEVEN H 748-0451+1
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12961 BENNETT CORDELL K 748-4092
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13121 XXXX 00
* 6 BUS 99 RES 47 NEW

Appendix I

Preliminary Drainage Study for Harmon Oaks

PRELIMINARY DRAINAGE STUDY
For
HARMON OAKS

APN'S 317-501-01-00, 317-500-02, 03,09,10,11,12,13,14
Preparation/Revision Date:

June 17, 2022/ November 30, 2022/ September 01, 2023

Prepared for:

Lennar Homes of California, Inc.

16465 Via Esprillo, Ste. 150

San Diego, CA 92127

(858) 618-4942

Declaration of Responsible Charge

I hereby declare that I am the engineer of work for this project, that I have exercised responsible charge over the design of the project as defined in section 6703 of the business and professions code, and that the design is consistent with current standards.

I understand that the check of project drawings and specifications by City of Poway is confined to a review only and does not relieve me, as engineer of work, of my responsibilities for project design.

Engineer of Work
Hunsaker & Associates San Diego, Inc.
9707 Waples Street
San Diego, CA 92121
Phone: (858)558-4500
Fax: (858)558-1414
Web: www.HunsakerSD.com

Alisa S. Vialpando 09/01/2023

Alisa S. Vialpando, R.C.E. 47945 Date
President

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AES Methodology

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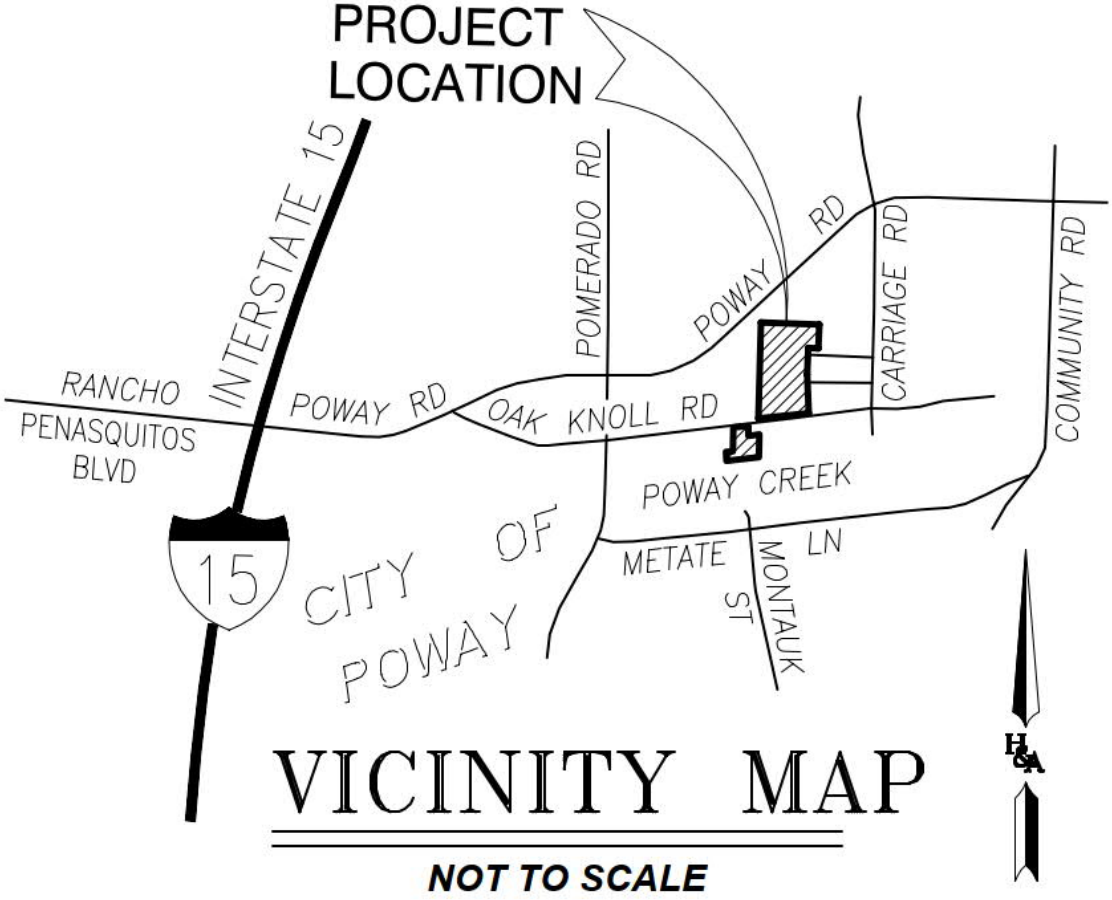
CHAPTER 1 EXECUTIVE SUMMARY

1.1 Introduction

The Harmon Oaks project is located in the City of Poway and is split by Oak Knoll Road, with a portion north of Oak Knoll Road and a smaller portion south of Oak Knoll Road. See below for vicinity map. The development proposes a single-family community with 63 residential lots within 10.77 acres. The site will also include detention underground vault, sidewalks, and parking stalls. The lots are connected by private drives which are accessible via Oak Knoll Road and Roca Grande Drive.



Scope

The scope of this report is to analyze both the existing and proposed hydrologic conditions relative to development of the site and prepare storm drain facilities based on the 100 year flow. Proposed stormwater facilities include storm drain, curb inlets, catch basins, proprietary biofiltration BMPs (curb type Filterra Units or equivalent), underground vault, outlet structure, a pump to pump the hydromodification low flows to the existing storm drain system under Oak Knoll Road, brow ditches, and energy

dissipation devices and will be calculated upon Final Engineering. The proposed proprietary biofiltration units for the site will address the water quality requirements, while the underground vault will address the 100 year peak flows, and flow control hydromodification concerns. A separate report has been prepared which details the proposed treatment and flow control features for the project. Refer to the *Stormwater Quality Management Plan (SWQMP) for Harmon Oaks* prepared by Hunsaker & Associates San Diego, Inc. (June 2022).

Summary of Existing Conditions

The existing condition hydrology map (Exhibit 1) is located in Chapter 5. A portion of the project site is currently occupied by single family building structures, driveways, construction equipment yard, and vacant area north of Oak Knoll Road. There is a vegetated channel runs in a north-south direction along the northwestern border of the site. The remainder of the project site, found south of Oak Knoll Road, is a vacant area in its northern portion, except for a building structure northeast of the southern lot, and densely vegetated area in its southern portion. The total analyzed drainage area (on-site and off-site) is 13.79 acres. The elevation-range of the studied water-shed is between 540 feet down to 438 feet. The average slope across the site from the northeast corner to the southwest corner is approximately 5.3%. The imperviousness of the analyzed watershed in its existing condition is approximately 19% (20% for the onsite and offsite area drains to the northern portion of Oak Knoll Road (Node 1 to Node 5), 63% for the offsite area southeast of the northern portion (Node 3 to Node 5), 24% for onsite area and northwest portion of Oak Knoll Road (Node 6 to Node 8), 90% for Oak Knoll Road paved area (Node 9 to Node 11), 0% for the western slopes to Node 14, 8% for the southern portion at Node 16). Please refer to AES Input Data Table in Chapter 3.

Runoff from the northern portion of the project site with the run-on from the eastern offsite development is conveyed via overland flow towards Oak Knoll Road existing inlet (Node 1 to Node 5), where it is captured and comingled with the offsite flows from the southwestern existing development and northeastern half of Oak Knoll Road (Node 3 to Node 5). Total runoff from Node 5 is routed westerly via existing 36” RCP storm drain system to Node 8 per 801-05-1076. Runoff from the southwestern sub-watershed of northern portion of the project site is conveyed via overland flow towards Oak Knoll Road existing inlet, where it is captured and comingled with the offsite flows from the northwestern half of Oak Knoll Road (Node 6 to Node 8). Existing 36” RCP storm drain system carries the total runoff from Node 8 to Node 11, where it comingles with the captured flow from the southern portion of Oak Knoll Road before continues westerly to Node 15. Run-on from the offsite northern slope is conveyed with the runoff from the northwestern portion of the site via overland flow to enters the existing 8’ X 5’ RCP box culvert through the existing headwall per 801-04-150 sheet 5 (Node 12 to Node 14). The existing 8’X5’ RCP box culvert routes the captured flows southwesterly to Node 15, where it comingles with the discharge from (Node 11) the 36” existing storm drain, and then continues southerly to discharge into Poway Creek at Node 16.

Runoff from southern portion of the site with the adjacent eastern offsite area is also conveyed via overland flow to discharge directly into Poway Creek to Node 16.

Table 1 below summarizes the 100-year existing condition peak flow at the downstream project boundary. A runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.

C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

Cp = Pervious Coefficient Runoff value (Cp=0.35 for Soil D and 0.20 for Soil A per Table 3.1)

Runoff Coefficients

C Factor	Description
0.35 Soil D 0.20 Soil A	Cp= Pervious area per SDC Section 3.1.2 and table 3.1
0.90	Impervious areas (proposed and existing)

The calculations for each weighted run-off coefficient for each sub-area as determined in accordance with Section 3.2.1 are shown in Chapter 3. AES input data tables. Supporting calculations for the data presented in Table 1 is located in Chapter 3 of this report. The corresponding hydrology map (Exhibit 1) is located in Chapter 5.

TABLE 1 - Summary of Existing Flows

Exhibit	Node Number on Exhibit	Discharge Location	Drainage Area (ac)	100-Year Peak Flow (cfs)
1	16	SW of site	13.79	26.85

Summary of Developed Conditions

PROJECT DESCRIPTION

The proposed Harmon Ranch Specific Plan and Tentative Map project site ("Project Site") is located within the southern area of City of Poway, south of Poway Road and east of Pomerado Road. This Project Site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the Poway Comprehensive Plan: General Plan which permits single-family homes on a minimum of 4,500 square foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include mixed use retail land uses and the Kumeyaay Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south and east which are also designated RS-7 and an apartment community to the west.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was previously used as a construction staging yard for an SDG&E gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic home will be retained in place within a 0.25-acre site as part of the project. The historic home site will be designated Residential – Historic Home within the Specific Plan.

Lennar Homes of California, LLC ("Applicant"), is proposing a residential neighborhood on a 11.5-acre Project Site. The Project site is comprised of approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets and 0.5 acres of public right-of-way (Oak Knoll Road). The Proposed Project would include 64 single family detached homes. The Proposed Project density (8.8 units/acre) is slightly higher than the 8.0 units/acre permitted in the existing RS-7 designation. Primary access to the Project Site is planned via existing Oak Knoll Road. Fifty-nine of the new homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road. The existing historic home has direct access via Oak Knoll Road.

Land Use Summary

Use/Land Use	Approx. Net Acres (AC)	% of Planning Area (%)	Max. Dwelling Units (DU)	Density (DU/AC)[1]
Non-Residential Land Uses				
Open Space (OS-1 & 2) (Floodway)	1.88	16.3%		
Open Space (OS-3 & 4)	0.31	2.7%		
Open Space Recreation (OSR-1 to 7)	0.99	8.6%		
Subtotal Open Space	3.18	27.6%		
Private Internal Residential Streets	1.88	16.3%		
Oak Knoll Road ROW (existing)	0.49	4.3%		
Subtotal Streets	2.37	20.6%		
Subtotal Non-Residential	5.55	48.2%		
Residential (R) Land Use				
Residential Single Family (R-SF) (Lots 1 to 64)	5.96	51.8%	64	
Subtotal Residential	5.96	51.8%	64	
TOTAL Specific Plan Area	11.51	100%	64	8.8

1- Statistics are based upon preliminary design and may vary slightly from Development Plan, Tentative Map, and/or Final Map. Refer to Chapter 7 regarding substantial conformance.

2- Pursuant to State Law, local governments cannot preclude an Accessory Dwelling Unit (ADU) or Junior Accessory Dwelling Units (JADU). An ADU and JADU is an accessory use for the purposes of counting allowable density under general plan and zoning and is therefore not counted as an additional unit. An ADU and JADU shall be permissible in accordance with the PMC or, if the locally adopted ordinance is void, the State Government Code. See Section 3.2.2.G for information regarding ADUs.

3- Open Space areas within the floodway (OS-1 and OS-2) and public street (Oak Knoll Road) and internal private streets are excluded from the density calculation. The following calculation was utilized to determine the net residential density for the project: Residential (5.96 ac) + Open Space Recreation Lots 1-7 (0.99 ac) + Open Space Lots 3 and 4 (0.31 ac) = 7.26 ac. 64 / 7.26 = 8.8.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of a 64 single family homes. The Harmon Ranch Specific Plan will establish three land use districts within the Project Site: Residential Single Family (R-SF); Open Space (OS); and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district.

The Proposed project is comprised of 64 single-family homes on lots 42-feet wide and 85- to 90-feet deep, with standard two-car garages, 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces within the private lots and private fenced rear yards. The Proposed Project also includes 40 guest parking spaces along the private streets, approximately 1.0 acres of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas and a segment of the General Plan Community trail (approximately 1,000 feet) within the Project Site. A potential off-site trail connection to the adjacent retail area located to the north may occur in the future, subject to property owner cooperation but is not part of the proposed project. The "Overlook" area located in the south portion of the Project Site is planned to provide public access and will be privately maintained.

Discretionary actions which require Poway City Council consideration include the following:

- Environmental Impact Report (EIR)
- General Plan Amendment/Zone Change (GPA/ZC) from Residential Single-Family 7 (RS-7) to Planned Community (PC)
- Tentative Map (TM)
- Development Review (DR) Permit
- Final Map

The post-developed condition of the site will include improvements consisting of a single-family residential development including building structures, driveways, access roads, sidewalks, and landscaped areas. The site also proposes proprietary biofiltration facilities to address water quality requirements (Filterra units or alternative), underground vault, storm drains, inlets, and brow ditches sized to collect and convey site runoff through the project area.

The proposed vault will attenuate the 100 year peak flows as well as address flow control hydromodification and pollutant control for water quality. For additional discussion on the proposed water quality and hydromod features of the site, refer to the *Stormwater Quality Management Plan (SWQMP) for Harmon Oaks* (June 2022) prepared by Hunsaker & Associates San Diego, Inc.

Runoff from the northern portion of the proposed development will be routed via street gutters to the proposed on site inlets and proprietary biofiltration units to address water quality requirements, and then travels via private proposed storm drain system southwesterly to the proposed underground vault (Node 50 to Node 74). Discharge from the vault will be controlled by an outlet structure equipped with orifices and weir with varying dimensions and invert elevations to meet current hydromodification requirements and attenuate the proposed 100-year peak flows to be equal or less than existing conditions 100-year peak flow. Due to existing storm drain flow elevation, the low flow orifice can't be routed directly to the downstream storm drain. Therefore, discharge from the low flow orifice will be pumped to the proposed cleanout\ manhole downstream of the vault, where the discharge from the rest of the orifices and weir (Vault outlet structure) will be routed to before discharging into the existing 36" RCP at Oak Knoll Road (Node 8). The proposed vault within northern portion of the project has been sized to provide additional hydromodification and 100-year peak flow control and mitigate impact from this area when measured at the analyzed discharge point (Node 16-POC1).

Runoff from northeastern offsite development -that drains through the site in existing conditions- will be conveyed via proposed ditch to a proposed catch basin west of La Vista Way and then routed vis proposed storm drain to the existing 36" storm drain at Oak Knoll Road (Node 3 to Node 5). Runoff from offsite area southeast of the northern portion of the project will drain similarly to existing conditions via overland flow towards Oak Knoll Road existing inlet (Node 4 to Node 5), where it will be captured and routed via existing 36" RCP storm drain system to Node 8, where it comingles with the discharge from the proposed development and runoff from the northwestern half of Oak Knoll Road (Node 5 to Node 8). Total runoff from Node 8 will be routed westerly

via existing 36" RCP storm drain system to Node 11. Existing 36" RCP storm drain system carries the total runoff from Node 8 to Node 11. Runoff from northern area of southern portion of the project will drain towards Oak Knoll Road gutter and routed westerly to proposed proprietary biofiltration unit (filterra unit or equivalent). The proposed proprietary biofiltration unit will provide water quality pollutant control prior to discharging into the existing storm drain system at Oak Knoll Road Node 11. Total runoff from southern portion of Oak Knoll Road and northern developed area of southern portion of the project will comingle with the total captured flow at Node 11, berfore continues westerly to Node 15.

Runoff from the offsite northern slope will be captured via a brow ditch and conveyed with the runoff from the proposed graded slope northwest of the northern portion of the site via overland flow to enters the existing 8' X 5' RCP box culvert through the existing headwall per 801-04-150 sheet 5 (Node 12 to Node 14). The existing 8'X5' RCP box culvert routes the captured flows southwesterly to Node 15, where it comingles with the discharge from (Node 11) the 36" existing storm drain, and then continues southerly to discharge into Poway Creek at Node 16.

Runoff from southern area of southern portion of the site with the adjacent eastern offsite area will also conveyed via overland flow similarly to existing conditions to discharge directly into Poway Creek to Node 16.

Table 2 below summarizes the 100-year proposed condition peak flow at the downstream project boundary. A runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.

C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

The calculations for each weighted run-off coefficient for each sub-area as determined in accordance with Section 3.2.1 are shown in Chapter 3. AES input data tables. Supporting calculations for the data presented in Table 2 is located in Chapter 3 of this report. The corresponding hydrology map (Exhibit 2) is located in Chapter 5.

TABLE 2 - Summary of Proposed Flows

Exhibit	Node Number on Exhibit	Discharge Location	Drainage Area (ac)	100-Year Peak Flow (cfs) ^	100-Year Peak Flow (cfs)*
1	16	SW of site	13.79	46.65	14.21

^runoff rates before flood attenuation
*runoff rates after flood attenuation

A portion of the site, at the south western corner of the northern portion of the project and northern developed area of the southern portion of the project, is located within Zone AE (within the flood plain for Poway Creek), per the FEMA Firmette found in Chapter 6 and will require a Floodplain Development Permit.

The Proposed Drainage Map in Chapter 5 shows the developed site with its subareas and flow paths. There is only one outfall location from the proposed site, as the proposed and existing storm drain conveys the flows towards Poway Creek, similarly to existing conditions. Due to the increase in impervious area compared with the existing condition, the peak flows generated from the site will be reduced through the proposed vault. Design calculations for the vault attenuation can be found in Chapter 4.

Summary of Results

Development of *Harmon Oaks* site required a storm drain system to capture and convey the Q100 peak flows safely to the existing storm drain system at Oak Knoll Road. See Chapters 3 hydrologic models. The corresponding hydrology maps are located in Chapter 5.

Ten proprietary biofiltraton units (Filterra units or equivalent) are proposed to address water quality requirements, and one underground vault for hydromodification, and peak flow attenuation. Flows from the site are attenuated to be less than the existing flows when measured at the point of compliance southwest of the project (POC-1) to Poway Creek.

Since the proposed vault onsite will mitigate the 100 year flow to below existing conditions, there will be no negative impacts to downstream drainage developments and facilities.

Inlet calculations, brow ditches and storm drain hydraulic will be provided in final engineering.

Table 3 below summarizes the comparison between existing and proposed flow rates from the site.

TABLE 3 – Existing Condition vs. Proposed Condition

Discharge Location	Existing Node	Proposed Node	Existing Condition Area (ac)	Proposed Condition Area (ac)	Existing: 100-Year Peak Flow (cfs)	Proposed: 100-Year Peak Flow (cfs)	Q100 Flow Difference (cfs)
SW of site	16	16	13.79	13.79	26.85	14.21	-12.64

Conclusions

Development of Harmon Oaks site will not alter the drainage patterns, and the proposed improvements will decrease the flows to below existing conditions. Therefore no adverse impacts are expected.

References

San Diego County Hydrology Manual, County of San Diego Department of Public Works Flood Control Division, June 2003.

San Diego County Hydraulic Design Manual, County of San Diego Department of Public Works Flood Control Division, September 2014

Stormwater Quality Management Plan (SWQMP) for Harmon Oaks, Hunsaker & Associates San Diego, Inc., June 2022

CHAPTER 2 METHODOLOGY

Modified Rational Method Hydrologic Analysis

Computer Software Package – AES-2015

Design Storm - 100- year return interval

Land Use – Single-family Residential

Soil Type – Per the NRCS Web Soil Survey, the existing soil consists of Soil Type D for majority of the site and A for a small portion of the southern area. Group D soils have very slow rates. Consisting chiefly of clay soils with a high swelling potential, soils with a high permanent water table, soils with clay pan or clay layer at or near the surface, and shallow soils over nearly impervious materials, Group D soils have a very slow rate of water transmission. Group A. Soils have a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Runoff Coefficient - In accordance with the County of San Diego standards, runoff coefficients were based on land use and soil type San Diego County Hydrology Manual. Runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.
C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

Cp = Pervious Coefficient Runoff value (Cp=0.35 for Soil D and 0.20 for Soil A per Table 3.1)

Runoff Coefficients

	C Factor	Description
Rainfall	0.35 Soil D 0.20 Soil A	Cp= Pervious area per SDC Section 3.1.2 and table 3.1
	0.90	Impervious areas (proposed and existing)

Intensity- The rainfall intensity is determined per the San Diego County Hydrology Manual based on 6-hour precipitation amounts and calculated time of concentrations. Six-hour precipitations are taken from the San Diego County Hydrology Manual isopluvials.

Method of Analysis – The Rational Method is the most widely used hydrologic model for estimating peak runoff rates. Applied to small urban and semi-urban areas with drainage areas less than 0.5 square miles, the Rational Method relates storm rainfall intensity, a runoff coefficient, and drainage area to peak runoff rate. This relationship is expressed by the equation:

Q = CIA, where:

- Q = The peak runoff rate in cubic feet per second at the point of analysis.
- C = A runoff coefficient representing the area - averaged ratio of runoff to rainfall intensity.
- I = The time-averaged rainfall intensity in inches per hour corresponding to the time of concentration.
- A = The drainage basin area in acres.

To perform a node-link study, the total watershed area is divided into subareas which discharge at designated nodes.

The procedure for the subarea summation model is as follows:

(1) Subdivide the watershed into subareas with the initial subarea being less than 10 acres in size (generally 1 lot will do), and subsequent subareas gradually increasing in size. Assign upstream and downstream nodal numbers to each subarea to correlate calculations to the watershed map.

(2) Estimate an initial T_c by using the appropriate nomograph or overland flow velocity estimation.

(3) Using the initial T_c, determine the corresponding values of I. Then Q = CIA.

(4) Using Q, estimate the travel time between this node and the next by Manning's equation as applied to the particular channel or conduit linking the two nodes. Then, repeat the calculation for Q based on the revised intensity (which is a function of the revised time of concentration)

The nodes are joined together by links, which may be street gutter flows, drainage swales, drainage ditches, pipe flow, or various channel flows. The AES-2003 computer subarea menu is as follows:

SUBAREA HYDROLOGIC PROCESS

1. Confluence analysis at node.
2. Initial subarea analysis (including time of concentration calculation).
3. Pipe flow travel time (computer estimated).
4. Pipe flow travel time (user specified).
5. Trapezoidal channel travel time.
6. Street flow analysis through subarea.
7. User - specified information at node.
8. Addition of subarea runoff to main line.
9. V-gutter flow through area.
10. Copy main stream data to memory bank
11. Confluence main stream data with a memory bank
12. Clear a memory bank

At the confluence point of two or more basins, the following procedure is used to combine peak flow rates to account for differences in the basin's times of concentration. This adjustment is based on the assumption that each basin's hydrographs are triangular in shape.

(1). If the collection streams have the same times of concentration, then the Q values are directly summed,

$Q_p = Q_a + Q_b$; $T_p = T_a = T_b$

(2). If the collection streams have different times of concentration, the smaller of the tributary Q values may be adjusted as follows:

(i). The most frequent case is where the collection stream with the longer time of concentration has the larger Q. The smaller Q value is adjusted by the ratio of rainfall intensities.

$Q_p = Q_a + Q_b \ (I_a/I_b)$; $T_p = T_a$

(ii). In some cases, the collection stream with the shorter time of concentration has the larger Q. Then the smaller Q is adjusted by a ratio of the T values.

$Q_p = Q_b + Q_a \ (T_b/T_a)$; $T_p = T_b$

Underground storm drains are analyzed in a similar way. Flow data obtained from the surface model for inlets and collection points are input into the nodes representing those structures. Design grades and lengths are used to compute the capacity of the storm drains and to model the downstream travel times.

Detention

In order to provide adequate peak flow attenuation, increases in peak flow rates at the outfall location for this site has been mitigated using the design of the proposed vault. Mitigation within the vault has been modeled using SWMM 5.01.

RickRatHydro has been used to generate inflow hydrograph for the vault, based on area, time of concentration, P6 value, runoff coefficient, and peak flow rate for the drainage area (from hydrology analysis).

The inflow hydrograph was then imported into SWMM model as an inflow to the storage unit (representing the vault volume) and was connected to the outfall point by using an outlet link (represent the outlet structure). The vault Stage-Storage curve and Stage-Discharge curve were generated by Excel. Generating Stage-Storage curve is relatively simple for the vertical-sided vault, where volume increases linearly with the stage value. For the Stage-Discharge curve, both weir equation (for partially submerged condition) and orifice flow equation (for fully submerged condition) were adopted to evaluate the riser discharge based on the water depth in front of the orifice and emergency weir. These generated curves were modeled as tabular curves for the storage unit and the outlet link in SWMM to calculate the water surface elevation and outfall flow rate.

CHAPTER 3
HYDROLOGIC ANALYSIS
100 – Year Design Storm

EXISTING HYDROLOGIC ANALYSIS 100 – Year Design Storm

OAK KNOLL / EXISTING CONDITIONS																
AES INPUT DATA																
Node #			Elevation		Length		Area (AC)		imperviousness	Soil Type*	C value	If Channel			If memory
From	To	code	Up	Down	(FT)	slope	total	impervious				Base (ft)	Z:1	maning	Bank #
1	2	2	535	505	100	30%	0.05	0.01	20%	D	0.46				
2	5	5	505	449.17	979	6%	6.77	1.35	20%	D	0.46	10	1:10	0.030	
5	5	1													2-1
3	4	2	457.5	456	75	2%	0.14	0.10	69%	D	0.73				
4	5	6	456	449.17	477	1%	0.52	0.36	69%	D	0.73				
5	5	1													2-2
5	8	3	443.87	442.87	200	0.5%								0.013	
8	8	1													2-1
6	7	2	456.5	455	80	2%	0.10	0.02	24%	D	0.48				
7	8	5	455	448.12	465	1.5%	1.62	0.39	24%	D	0.48	10	1:10	0.030	
8	8	1													2-2
8	11	3	442.79	442.06	146	0.5%								0.013	
11	11	1													2-1
9	10	2	457.5	456	75	2%	0.05	0.05	90%	D	0.85				
10	11	6	456	449.17	477	1%	0.22	0.20	90%	D	0.85				
11	11	1													2-2
11	15	3	442.04	441.5	94	0.6%								0.013	
15	15	1													2-1
12	13	2	540	525	100	15%	0.16	0.00	0%	D	0.35				
13	14	5	525	446.95	715	10.9%	2.38	0.00	0%	D	0.35	10	1:10	0.035	
14	15	3	446.95	439.45	760	1.0%								0.013	
15	15	1													2-2
15	16	3	439.45	434.82	232	2.0%								0.013	
16	16	8					1.78	0.15	8%	D/A	0.30				
Total							13.79	2.63	19%	D	0.45				

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1239

                          Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* OAK KNOLL                                                             *
* HYDROLOGY ANALYSIS                                                    *
* EXISTING CONDITIONS - 100 YR                                          *
 ************************************************************************

  FILE NAME: R:\1713\HYD\DR\CALCS\AES\100\EX100.DAT
  TIME/DATE OF STUDY: 10:31 06/28/2022
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.800
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   12.0      7.0    0.020/0.020/0.020   0.33    1.50 0.0313 0.125 0.0130
  2   15.0      7.5    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0130

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.50 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  5.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE      1.00 TO NODE      2.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .4600
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  UPSTREAM ELEVATION(FEET) =    535.00
  DOWNSTREAM ELEVATION(FEET) =    505.00
  ELEVATION DIFFERENCE(FEET) =     30.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.348
  WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.064
  SUBAREA RUNOFF(CFS) =      0.16
  TOTAL AREA(ACRES) =      0.05   TOTAL RUNOFF(CFS) =      0.16

**************************************************************************
```

```
 FLOW PROCESS FROM NODE      2.00 TO NODE      5.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    505.00  DOWNSTREAM(FEET) =    449.17
 CHANNEL LENGTH THRU SUBAREA(FEET) =   979.00   CHANNEL SLOPE =  0.0570
 CHANNEL BASE(FEET) =   10.00   "Z" FACTOR =  10.000
 MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.720
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (2.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .4600
 S.C.S. CURVE NUMBER (AMC II) =   0
 TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       7.75
 TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   3.51
 AVERAGE FLOW DEPTH(FEET) =   0.19   TRAVEL TIME(MIN.) =   4.65
 Tc(MIN.) =    9.99
 SUBAREA AREA(ACRES) =     6.77       SUBAREA RUNOFF(CFS) =   14.70
 AREA-AVERAGE RUNOFF COEFFICIENT =  0.460
 TOTAL AREA(ACRES) =        6.8         PEAK FLOW RATE(CFS) =      14.81

 END OF SUBAREA CHANNEL FLOW HYDRAULICS:
 DEPTH(FEET) =  0.27   FLOW VELOCITY(FEET/SEC.) =   4.32
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1079.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      5.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    9.99
 RAINFALL INTENSITY(INCH/HR) =   4.72
 TOTAL STREAM AREA(ACRES) =     6.82
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     14.81

****************************************************************************
 FLOW PROCESS FROM NODE      3.00 TO NODE      4.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
 UPSTREAM ELEVATION(FEET) =    457.50
 DOWNSTREAM ELEVATION(FEET) =    456.00
 ELEVATION DIFFERENCE(FEET) =      1.50
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.578
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      0.75
 TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.75

****************************************************************************
 FLOW PROCESS FROM NODE      4.00 TO NODE      5.00 IS CODE =  62
----------------------------------------------------------------------------
 >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
 UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
 STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
 STREET HALFWIDTH(FEET) = 15.00

 DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
 INSIDE STREET CROSSFALL(DECIMAL) =  0.020
 OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020
```

```
  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.84
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.28
    HALFSTREET FLOOD WIDTH(FEET) =    7.53
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.68
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.74
  STREET FLOW TRAVEL TIME(MIN.) =   2.96   Tc(MIN.) =    7.54
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.659
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.730
  SUBAREA AREA(ACRES) =    0.52      SUBAREA RUNOFF(CFS) =    2.15
  TOTAL AREA(ACRES) =        0.7        PEAK FLOW RATE(CFS) =       2.73

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.31   HALFSTREET FLOOD WIDTH(FEET) =   8.99
  FLOW VELOCITY(FEET/SEC.) =  2.94   DEPTH*VELOCITY(FT*FT/SEC.) =   0.90
  LONGEST FLOWPATH FROM NODE      3.00 TO NODE      5.00 =     552.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      5.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.54
  RAINFALL INTENSITY(INCH/HR) =   5.66
  TOTAL STREAM AREA(ACRES) =     0.66
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.73

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       14.81     9.99        4.720          6.82
      2        2.73     7.54        5.659          0.66

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       13.90     7.54       5.659
      2       17.08     9.99       4.720

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      17.08   Tc(MIN.) =    9.99
  TOTAL AREA(ACRES) =        7.5
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1079.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      5.00 TO NODE      8.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   443.87  DOWNSTREAM(FEET) =   442.87
  FLOW LENGTH(FEET) =   200.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  18.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.96
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
```

```
  PIPE-FLOW(CFS) =      17.08
  PIPE TRAVEL TIME(MIN.) =   0.56    Tc(MIN.) =   10.55
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1279.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.55
  RAINFALL INTENSITY(INCH/HR) =   4.56
  TOTAL STREAM AREA(ACRES) =     7.48
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     17.08

****************************************************************************
  FLOW PROCESS FROM NODE      6.00 TO NODE      7.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .4800
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    80.00
  UPSTREAM ELEVATION(FEET) =    456.50
  DOWNSTREAM ELEVATION(FEET) =    455.00
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    8.095
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.407
  SUBAREA RUNOFF(CFS) =      0.26
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.26

****************************************************************************
  FLOW PROCESS FROM NODE      7.00 TO NODE      8.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    455.00  DOWNSTREAM(FEET) =    448.12
  CHANNEL LENGTH THRU SUBAREA(FEET) =   465.00   CHANNEL SLOPE =  0.0148
  CHANNEL BASE(FEET) =   10.00   "Z" FACTOR =  10.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.834
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .4800
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.78
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.36
  AVERAGE FLOW DEPTH(FEET) =   0.12   TRAVEL TIME(MIN.) =   5.70
  Tc(MIN.) =   13.79
  SUBAREA AREA(ACRES) =     1.62       SUBAREA RUNOFF(CFS) =    2.98
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.480
  TOTAL AREA(ACRES) =        1.7         PEAK FLOW RATE(CFS) =       3.17

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.16   FLOW VELOCITY(FEET/SEC.) =   1.65
  LONGEST FLOWPATH FROM NODE      6.00 TO NODE      8.00 =     545.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   13.79
  RAINFALL INTENSITY(INCH/HR) =   3.83
```

```
 TOTAL STREAM AREA(ACRES) =     1.72
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.17

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       17.08    10.55        4.557          7.48
     2        3.17    13.79        3.834          1.72

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1       19.50    10.55       4.557
     2       17.54    13.79       3.834

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      19.50   Tc(MIN.) =   10.55
 TOTAL AREA(ACRES) =        9.2
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1279.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      8.00 TO NODE     11.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   442.79  DOWNSTREAM(FEET) =   442.06
 FLOW LENGTH(FEET) =   146.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  27.0 INCH PIPE IS  20.3 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   6.09
 ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      19.50
 PIPE TRAVEL TIME(MIN.) =   0.40    Tc(MIN.) =   10.95
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    1425.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =   10.95
 RAINFALL INTENSITY(INCH/HR) =   4.45
 TOTAL STREAM AREA(ACRES) =     9.20
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     19.50

****************************************************************************
 FLOW PROCESS FROM NODE      9.00 TO NODE     10.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (2. DU/AC OR LESS) RUNOFF COEFFICIENT = .4500
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
 UPSTREAM ELEVATION(FEET) =    457.50
 DOWNSTREAM ELEVATION(FEET) =    456.00
 ELEVATION DIFFERENCE(FEET) =      1.50
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    8.042
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.429
 SUBAREA RUNOFF(CFS) =      0.12
 TOTAL AREA(ACRES) =      0.05   TOTAL RUNOFF(CFS) =      0.12

****************************************************************************
 FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  62
```

```
------------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
==============================================================================
  UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
  STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       0.34
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.16
    HALFSTREET FLOOD WIDTH(FEET) =    1.50
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.60
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.41
  STREET FLOW TRAVEL TIME(MIN.) =   3.05   Tc(MIN.) =   11.10
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.412
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2. DU/AC OR LESS) RUNOFF COEFFICIENT = .4500
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.450
  SUBAREA AREA(ACRES) =    0.22      SUBAREA RUNOFF(CFS) =    0.44
  TOTAL AREA(ACRES) =        0.3        PEAK FLOW RATE(CFS) =       0.54

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.20   HALFSTREET FLOOD WIDTH(FEET) =   3.52
  FLOW VELOCITY(FEET/SEC.) =  2.22   DEPTH*VELOCITY(FT*FT/SEC.) =   0.44
  LONGEST FLOWPATH FROM NODE      9.00 TO NODE     11.00 =     552.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
==============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.10
  RAINFALL INTENSITY(INCH/HR) =   4.41
  TOTAL STREAM AREA(ACRES) =     0.27
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.54

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       19.50    10.95        4.449          9.20
      2        0.54    11.10        4.412          0.27

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       20.03    10.95       4.449
      2       19.88    11.10       4.412

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      20.03   Tc(MIN.) =   10.95
  TOTAL AREA(ACRES) =        9.5
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    1425.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   442.04  DOWNSTREAM(FEET) =   441.50
  FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  19.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.49
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      20.03
  PIPE TRAVEL TIME(MIN.) =   0.24    Tc(MIN.) =   11.19
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     15.00 =    1519.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.19
  RAINFALL INTENSITY(INCH/HR) =   4.39
  TOTAL STREAM AREA(ACRES) =     9.47
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     20.03

****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2. DU/AC OR LESS) RUNOFF COEFFICIENT = .4500
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  UPSTREAM ELEVATION(FEET) =    540.00
  DOWNSTREAM ELEVATION(FEET) =    525.00
  ELEVATION DIFFERENCE(FEET) =     15.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.431
  WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.994
  SUBAREA RUNOFF(CFS) =      0.50
  TOTAL AREA(ACRES) =      0.16   TOTAL RUNOFF(CFS) =      0.50

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    525.00  DOWNSTREAM(FEET) =    446.95
  CHANNEL LENGTH THRU SUBAREA(FEET) =   715.00   CHANNEL SLOPE =  0.1092
  CHANNEL BASE(FEET) =   10.00   "Z" FACTOR =  10.000
  MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.827
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (2.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .4500
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       3.17
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.82
  AVERAGE FLOW DEPTH(FEET) =   0.10   TRAVEL TIME(MIN.) =   4.22
  Tc(MIN.) =    9.65
  SUBAREA AREA(ACRES) =     2.38       SUBAREA RUNOFF(CFS) =    5.17
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.450
  TOTAL AREA(ACRES) =        2.5         PEAK FLOW RATE(CFS) =       5.52

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
```

```
  DEPTH(FEET) =  0.14   FLOW VELOCITY(FEET/SEC.) =   3.45
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     14.00 =     815.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   446.95  DOWNSTREAM(FEET) =   439.45
  FLOW LENGTH(FEET) =   760.00   MANNING'S N =  0.013
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   9.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.87
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.52
  PIPE TRAVEL TIME(MIN.) =   2.16    Tc(MIN.) =   11.81
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     15.00 =    1575.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.81
  RAINFALL INTENSITY(INCH/HR) =   4.24
  TOTAL STREAM AREA(ACRES) =     2.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.52

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       20.03    11.19        4.387          9.47
      2        5.52    11.81        4.238          2.54

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       25.26    11.19       4.387
      2       24.87    11.81       4.238

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      25.26   Tc(MIN.) =   11.19
  TOTAL AREA(ACRES) =       12.0
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     15.00 =    1575.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   439.45  DOWNSTREAM(FEET) =   434.82
  FLOW LENGTH(FEET) =   232.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  16.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.04
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.26
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =   11.54
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     16.00 =    1807.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =  81
```

```
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.300
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .3000
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.4527
  SUBAREA AREA(ACRES) =    1.78   SUBAREA RUNOFF(CFS) =    2.30
  TOTAL AREA(ACRES) =       13.8   TOTAL RUNOFF(CFS) =      26.85
  TC(MIN.) =   11.54
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       13.8  TC(MIN.) =     11.54
  PEAK FLOW RATE(CFS)   =      26.85
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

PROPOSED HYDROLOGIC ANALYSIS 100 – Year Design Storm

OAK KNOLL / PROPOSED CONDITIONS																
AES INPUT DATA																
Node #			Elevation		Length		Area		imperviousness	Soil Type*	C value	If Channel			If memory
From	To	code	Up	Down		slope	total	impervious				Base (ft)	Z:1	maning	Bank #
50	51	2	495	468	100	27%	0.10	0.00	0%	D	0.35				
51	52	6	468	462.3	213	3%	1.12	0.74	66%	D	0.71				
52	55	3	458.3	451.35	450	2%								0.012	
50	55	1													3-1
53	54	2	466.7	465.2	75	2%	0.09	0.06	66%	D	0.71				
54	55	6	465.2	455.7	328	3%	0.68	0.45	66%	D	0.71				
55	55	1													3-2
56	57	2	462.8	461.3	75	2%	0.06	0.04	66%	D	0.71				
57	55	6	461.3	454.8	316	2%	0.83	0.55	66%	D	0.71				
55	55	1													3-3
55	63	3	451.35	448.64	288	0.9%								0.012	
63	63	1													3-1
59	60	2	457.2	455.8	75	2%	0.09	0.06	66%	D	0.71				
60	63	6	455.8	451.6	397	1%	0.43	0.28	66%	D	0.71				
63	63	1													3-2
61	62	2	455.8	454.3	75	2%	0.09	0.06	66%	D	0.71				
62	63	6	454.3	451.6	293	1%	0.71	0.47	66%	D	0.71				
63	63	1													3-3
63	69	3	448.64	447.53	111	1%								0.012	
69	69	10													1
64	65	2	466	464.5	75	2%	0.10	0.07	66%	D	0.71				
65	65.1	6	464.5	459	236	2%	0.28	0.18	66%	D	0.71				
65.1	68	3	451.9	450.2	321	0.5%									
65.1	68	8					0.74	0.49	66%	D	0.71				
64	68	1													2-1
66	67	2	466	464	75	3%	0.07	0.05	66%	D	0.71				
67	68	6	464	452.7	576	2%	0.58	0.38	66%	D	0.71				
68	68	1													2-2
68	69	3	449.96	447.53	243	1%								0.012	
69	69	11													1
69	69	12													1
69	74	3	447.53	445.96	78	2%								0.012	
74	74	1													3-1
70	71	2	453.8	452.3	75	2%	0.09	0.06	66%	D	0.71				
71	74	6	452.3	448.3	331	1%	0.80	0.53	66%	D	0.71				
74	74	1													3-2
72	73	2	453.8	452.3	75	2%	0.09	0.06	66%	D	0.71				
73	74	6	452.3	448.3	331	1%	0.87	0.57	66%	D	0.71				
74	74	1													3-3
74	8	3	743.48	743.33	30	0.5%								0.012	
8	8	10													1
1	2	`2	535	504	100	31%	0.10	0.00	0%	D	0.35				
2	3	5	504	455	1168	4%	1.90	1.25	66%	D	0.71				
3	5	3	451.00	443.87	477	1%									
1	5	1													2-1
4	6	2	457.5	456.00	75	2%	0.14	0.10	69%	D	0.73				
6	5	6	456	449.17	477	1%	0.77	0.53	69%	D	0.73				
4	5	1													2-2
5	8	3	443.87	442.87	200	1%								0.013	
8	8	8					0.14	0.13	90%	D	0.85				
8	8	11													1
8	8	12													1
8	11	3	442.79	442.06	146	1%								0.013	
11	11	1													2-1
9	10	2	457.5	456	75	2%	0.05	0.05	90%	D	0.85				
10	11	6	456	449.17	477	1%	0.22	0.20	90%	D	0.85				
11	11	8					0.47	0.21	45%	D	0.60				
11	11	1													2-2
11	15	3	442.04	441.50	94	1%								0.013	
15	15	1													2-1
12	13	2	540	525	100	15%	0.17	0.00	0%	D	0.35				
13	14	5	525	446.95	780	10%	0.70	0.00	0%	D	0.35	3		0.035	
14	15	3	446.95	439.45	760	1%								0.013	
15	15	1													2-2
15	16	3	439.45	434.8182	232	2%								0.013	
16	16	8					1.31	0.13	10%	A\D	0.27				
Total							13.79	7.69	56%		0.70				

```
****************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1239

                          Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* OAK KNOLL                                                             *
* HYDROLOGY ANALYSIS                                                    *
* PROPOSED CONDITIONS - 100 YR                                          *
 ************************************************************************

  FILE NAME: R:\1713\HYD\DR\CALCS\AES\100\PR100.DAT
  TIME/DATE OF STUDY: 16:29 12/01/2022
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.800
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   12.0      7.0    0.020/0.020/0.020   0.33    1.50 0.0313 0.125 0.0130
  2   15.0      7.5    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0130

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.50 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  5.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     51.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  NATURAL DESERT LANDSCAPING RUNOFF COEFFICIENT = .3500
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  UPSTREAM ELEVATION(FEET) =    495.00
  DOWNSTREAM ELEVATION(FEET) =    468.00
  ELEVATION DIFFERENCE(FEET) =     27.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.267
  WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.377
  SUBAREA RUNOFF(CFS) =      0.22
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.22

****************************************************************************
```

```
 FLOW PROCESS FROM NODE     51.00 TO NODE     52.00 IS CODE =  62
----------------------------------------------------------------------------
 >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
 UPSTREAM ELEVATION(FEET) =  468.00  DOWNSTREAM ELEVATION(FEET) =  462.30
 STREET LENGTH(FEET) =   213.00   CURB HEIGHT(INCHES) =  6.0
 STREET HALFWIDTH(FEET) = 15.00

 DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
 INSIDE STREET CROSSFALL(DECIMAL) =  0.020
 OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

 SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  2
 STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
 Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
 Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

   **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.49
   STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
   STREET FLOW DEPTH(FEET) =  0.23
   HALFSTREET FLOOD WIDTH(FEET) =    5.20
   AVERAGE FLOW VELOCITY(FEET/SEC.) =    3.21
   PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.74
 STREET FLOW TRAVEL TIME(MIN.) =   1.11   Tc(MIN.) =    7.37
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.742
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT =  0.680
 SUBAREA AREA(ACRES) =    1.12      SUBAREA RUNOFF(CFS) =    4.57
 TOTAL AREA(ACRES) =        1.2        PEAK FLOW RATE(CFS) =       4.77

 END OF SUBAREA STREET FLOW HYDRAULICS:
 DEPTH(FEET) = 0.27   HALFSTREET FLOOD WIDTH(FEET) =   7.36
 FLOW VELOCITY(FEET/SEC.) =  3.61   DEPTH*VELOCITY(FT*FT/SEC.) =   0.99
 LONGEST FLOWPATH FROM NODE     50.00 TO NODE     52.00 =     313.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     52.00 TO NODE     55.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   458.30  DOWNSTREAM(FEET) =   451.35
 FLOW LENGTH(FEET) =   450.00   MANNING'S N =  0.012
 ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
 DEPTH OF FLOW IN  18.0 INCH PIPE IS   7.3 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   7.09
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       4.77
 PIPE TRAVEL TIME(MIN.) =   1.06    Tc(MIN.) =    8.43
 LONGEST FLOWPATH FROM NODE     50.00 TO NODE     55.00 =     763.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     50.00 TO NODE     55.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  3
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    8.43
 RAINFALL INTENSITY(INCH/HR) =   5.27
 TOTAL STREAM AREA(ACRES) =     1.22
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.77

****************************************************************************
 FLOW PROCESS FROM NODE     53.00 TO NODE     54.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    466.70
  DOWNSTREAM ELEVATION(FEET) =    465.20
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.47
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.47

****************************************************************************
  FLOW PROCESS FROM NODE     54.00 TO NODE     55.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
==============================================================================
  UPSTREAM ELEVATION(FEET) =  465.20  DOWNSTREAM ELEVATION(FEET) =  455.70
  STREET LENGTH(FEET) =   328.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.01
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.26
    HALFSTREET FLOOD WIDTH(FEET) =    6.61
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    3.62
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.93
  STREET FLOW TRAVEL TIME(MIN.) =   1.51   Tc(MIN.) =    6.34
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.331
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.68      SUBAREA RUNOFF(CFS) =    3.06
  TOTAL AREA(ACRES) =        0.8        PEAK FLOW RATE(CFS) =       3.46

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.30   HALFSTREET FLOOD WIDTH(FEET) =   8.58
  FLOW VELOCITY(FEET/SEC.) =  4.05   DEPTH*VELOCITY(FT*FT/SEC.) =   1.21
  LONGEST FLOWPATH FROM NODE     53.00 TO NODE     55.00 =     403.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     55.00 TO NODE     55.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.34
  RAINFALL INTENSITY(INCH/HR) =   6.33
  TOTAL STREAM AREA(ACRES) =     0.77
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.46

****************************************************************************
  FLOW PROCESS FROM NODE     56.00 TO NODE     57.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    462.80
  DOWNSTREAM ELEVATION(FEET) =    461.30
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.31
  TOTAL AREA(ACRES) =      0.06   TOTAL RUNOFF(CFS) =      0.31

******************************************************************************
  FLOW PROCESS FROM NODE     57.00 TO NODE     58.00 IS CODE =  62
------------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
==============================================================================
  UPSTREAM ELEVATION(FEET) =  461.30  DOWNSTREAM ELEVATION(FEET) =  454.80
  STREET LENGTH(FEET) =   316.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.17
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.28
    HALFSTREET FLOOD WIDTH(FEET) =    7.45
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    3.22
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.89
  STREET FLOW TRAVEL TIME(MIN.) =   1.64   Tc(MIN.) =    6.46
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.252
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.83      SUBAREA RUNOFF(CFS) =    3.68
  TOTAL AREA(ACRES) =        0.9        PEAK FLOW RATE(CFS) =       3.95

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.32   HALFSTREET FLOOD WIDTH(FEET) =   9.81
  FLOW VELOCITY(FEET/SEC.) =  3.65   DEPTH*VELOCITY(FT*FT/SEC.) =   1.18
  LONGEST FLOWPATH FROM NODE     56.00 TO NODE     58.00 =     391.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE     55.00 TO NODE     55.00 IS CODE =   1
------------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
==============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.46
  RAINFALL INTENSITY(INCH/HR) =   6.25
  TOTAL STREAM AREA(ACRES) =     0.89
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.95

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
```

```
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        4.77     8.43        5.267          1.22
      2        3.46     6.34        6.331          0.77
      3        3.95     6.46        6.252          0.89

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       10.92     6.34       6.331
      2       11.02     6.46       6.252
      3       10.97     8.43       5.267

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      11.02   Tc(MIN.) =    6.46
  TOTAL AREA(ACRES) =        2.9
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     55.00 =     763.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     55.00 TO NODE     63.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   451.35  DOWNSTREAM(FEET) =   448.64
  FLOW LENGTH(FEET) =   288.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  12.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.25
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.02
  PIPE TRAVEL TIME(MIN.) =   0.66    Tc(MIN.) =    7.13
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     63.00 =    1051.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     63.00 TO NODE     63.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.13
  RAINFALL INTENSITY(INCH/HR) =   5.87
  TOTAL STREAM AREA(ACRES) =     2.88
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     11.02

****************************************************************************
  FLOW PROCESS FROM NODE     59.00 TO NODE     60.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    457.20
  DOWNSTREAM ELEVATION(FEET) =    455.80
  ELEVATION DIFFERENCE(FEET) =      1.40
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.894
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    73.67
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.47
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.47
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     63.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  455.80  DOWNSTREAM ELEVATION(FEET) =  451.60
  STREET LENGTH(FEET) =   397.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.32
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.26
    HALFSTREET FLOOD WIDTH(FEET) =    6.89
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.23
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.59
  STREET FLOW TRAVEL TIME(MIN.) =   2.97   Tc(MIN.) =    7.86
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.509
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.43      SUBAREA RUNOFF(CFS) =    1.68
  TOTAL AREA(ACRES) =        0.5        PEAK FLOW RATE(CFS) =       2.03

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.30   HALFSTREET FLOOD WIDTH(FEET) =   8.47
  FLOW VELOCITY(FEET/SEC.) =  2.44   DEPTH*VELOCITY(FT*FT/SEC.) =   0.72
  LONGEST FLOWPATH FROM NODE     59.00 TO NODE     63.00 =     472.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     63.00 TO NODE     63.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.86
  RAINFALL INTENSITY(INCH/HR) =   5.51
  TOTAL STREAM AREA(ACRES) =     0.52
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.03

****************************************************************************
  FLOW PROCESS FROM NODE     61.00 TO NODE     62.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    455.80
  DOWNSTREAM ELEVATION(FEET) =    454.30
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.47
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.47
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     62.00 TO NODE     63.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  454.30  DOWNSTREAM ELEVATION(FEET) =  451.60
  STREET LENGTH(FEET) =   293.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.98
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.30
    HALFSTREET FLOOD WIDTH(FEET) =    8.64
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.29
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.69
  STREET FLOW TRAVEL TIME(MIN.) =   2.13   Tc(MIN.) =    6.95
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.963
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.71      SUBAREA RUNOFF(CFS) =    3.01
  TOTAL AREA(ACRES) =        0.8        PEAK FLOW RATE(CFS) =       3.39

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.34   HALFSTREET FLOOD WIDTH(FEET) =  10.87
  FLOW VELOCITY(FEET/SEC.) =  2.61   DEPTH*VELOCITY(FT*FT/SEC.) =   0.90
  LONGEST FLOWPATH FROM NODE     61.00 TO NODE     63.00 =     368.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     63.00 TO NODE     63.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.95
  RAINFALL INTENSITY(INCH/HR) =   5.96
  TOTAL STREAM AREA(ACRES) =     0.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.39

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       11.02     7.13        5.871         2.88
      2        2.03     7.86        5.509         0.52
      3        3.39     6.95        5.963         0.80

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       16.04     6.95       5.963
      2       16.20     7.13       5.871
      3       15.51     7.86       5.509
```

```
  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      16.20   Tc(MIN.) =    7.13
  TOTAL AREA(ACRES) =        4.2
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     63.00 =    1051.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     63.00 TO NODE     69.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   448.64  DOWNSTREAM(FEET) =   447.53
  FLOW LENGTH(FEET) =   111.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.92
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      16.20
  PIPE TRAVEL TIME(MIN.) =   0.23    Tc(MIN.) =    7.36
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     69.00 =    1162.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     69.00 TO NODE     69.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     64.00 TO NODE     65.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    466.00
  DOWNSTREAM ELEVATION(FEET) =    464.50
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.52
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.52

****************************************************************************
  FLOW PROCESS FROM NODE     65.00 TO NODE     65.10 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  464.50  DOWNSTREAM ELEVATION(FEET) =  459.00
  STREET LENGTH(FEET) =   236.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.17
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.23
    HALFSTREET FLOOD WIDTH(FEET) =    5.20
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    3.00
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.69
```

```
  STREET FLOW TRAVEL TIME(MIN.) =   1.31   Tc(MIN.) =    6.14
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.464
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.28      SUBAREA RUNOFF(CFS) =    1.29
  TOTAL AREA(ACRES) =        0.4        PEAK FLOW RATE(CFS) =       1.74

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.26   HALFSTREET FLOOD WIDTH(FEET) =   6.52
  FLOW VELOCITY(FEET/SEC.) =  3.21   DEPTH*VELOCITY(FT*FT/SEC.) =   0.82
  LONGEST FLOWPATH FROM NODE     64.00 TO NODE     65.10 =     311.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     65.10 TO NODE     68.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   451.90  DOWNSTREAM(FEET) =    50.20
  FLOW LENGTH(FEET) =   321.00   MANNING'S N =  0.012
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   1.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  25.03
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.74
  PIPE TRAVEL TIME(MIN.) =   0.21    Tc(MIN.) =    6.35
  LONGEST FLOWPATH FROM NODE     64.00 TO NODE     68.00 =     632.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     65.10 TO NODE     68.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.323
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.7100
  SUBAREA AREA(ACRES) =    0.74   SUBAREA RUNOFF(CFS) =    3.32
  TOTAL AREA(ACRES) =        1.1   TOTAL RUNOFF(CFS) =       5.03
  TC(MIN.) =    6.35

****************************************************************************
  FLOW PROCESS FROM NODE     68.00 TO NODE     68.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.35
  RAINFALL INTENSITY(INCH/HR) =   6.32
  TOTAL STREAM AREA(ACRES) =     1.12
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.03

****************************************************************************
  FLOW PROCESS FROM NODE     66.00 TO NODE     67.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    466.00
  DOWNSTREAM ELEVATION(FEET) =    464.00
  ELEVATION DIFFERENCE(FEET) =      2.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.384
```

```
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
SUBAREA RUNOFF(CFS) =      0.37
TOTAL AREA(ACRES) =      0.07   TOTAL RUNOFF(CFS) =      0.37

****************************************************************************
FLOW PROCESS FROM NODE     67.00 TO NODE     68.00 IS CODE =  62
----------------------------------------------------------------------------
>>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
>>>>>(STREET TABLE SECTION #  1 USED)<<<<<
============================================================================
UPSTREAM ELEVATION(FEET) =  464.00  DOWNSTREAM ELEVATION(FEET) =  452.70
STREET LENGTH(FEET) =   576.00   CURB HEIGHT(INCHES) =  4.0
STREET HALFWIDTH(FEET) = 12.00

DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.00
INSIDE STREET CROSSFALL(DECIMAL) =  0.020
OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

  **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.53
  STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
  STREET FLOW DEPTH(FEET) =  0.25
  HALFSTREET FLOOD WIDTH(FEET) =    6.34
  AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.95
  PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.75
STREET FLOW TRAVEL TIME(MIN.) =   3.25   Tc(MIN.) =    7.64
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.613
*USER SPECIFIED(SUBAREA):
RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
S.C.S. CURVE NUMBER (AMC II) =   0
AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
SUBAREA AREA(ACRES) =    0.58      SUBAREA RUNOFF(CFS) =    2.31
TOTAL AREA(ACRES) =        0.6        PEAK FLOW RATE(CFS) =       2.59

END OF SUBAREA STREET FLOW HYDRAULICS:
DEPTH(FEET) = 0.29   HALFSTREET FLOOD WIDTH(FEET) =   8.20
FLOW VELOCITY(FEET/SEC.) =  3.28   DEPTH*VELOCITY(FT*FT/SEC.) =   0.95
LONGEST FLOWPATH FROM NODE     66.00 TO NODE     68.00 =     651.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE     68.00 TO NODE     68.00 IS CODE =   1
----------------------------------------------------------------------------
>>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
>>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
TOTAL NUMBER OF STREAMS =  2
CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
TIME OF CONCENTRATION(MIN.) =    7.64
RAINFALL INTENSITY(INCH/HR) =   5.61
TOTAL STREAM AREA(ACRES) =     0.65
PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.59

** CONFLUENCE DATA **
STREAM     RUNOFF       Tc      INTENSITY      AREA
NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
    1        5.03     6.35        6.323          1.12
    2        2.59     7.64        5.613          0.65

RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
CONFLUENCE FORMULA USED FOR  2 STREAMS.

** PEAK FLOW RATE TABLE **
STREAM     RUNOFF      Tc      INTENSITY
NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
```

```
     1        7.18     6.35       6.323
     2        7.05     7.64       5.613

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       7.18   Tc(MIN.) =    6.35
  TOTAL AREA(ACRES) =        1.8
  LONGEST FLOWPATH FROM NODE     66.00 TO NODE     68.00 =     651.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     68.00 TO NODE     69.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   449.96  DOWNSTREAM(FEET) =   447.53
  FLOW LENGTH(FEET) =   243.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.67
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.18
  PIPE TRAVEL TIME(MIN.) =   0.61    Tc(MIN.) =    6.96
  LONGEST FLOWPATH FROM NODE     66.00 TO NODE     69.00 =     894.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     69.00 TO NODE     69.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
     1        7.18     6.96       5.961        1.77
  LONGEST FLOWPATH FROM NODE     66.00 TO NODE     69.00 =     894.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
     1       16.20     7.36       5.750        4.20
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     69.00 =    1162.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
     1      22.50       6.96        5.961
     2      23.13       7.36        5.750

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      23.13   Tc(MIN.) =    7.36
  TOTAL AREA(ACRES) =        6.0

****************************************************************************
  FLOW PROCESS FROM NODE     69.00 TO NODE     69.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE     69.00 TO NODE     74.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   447.53  DOWNSTREAM(FEET) =   445.96
  FLOW LENGTH(FEET) =    78.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.25
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      23.13
```

```
  PIPE TRAVEL TIME(MIN.) =   0.12    Tc(MIN.) =    7.47
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE     74.00 =    1240.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     74.00 TO NODE     74.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.47
  RAINFALL INTENSITY(INCH/HR) =   5.69
  TOTAL STREAM AREA(ACRES) =     5.97
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     23.13

****************************************************************************
  FLOW PROCESS FROM NODE     70.00 TO NODE     71.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    453.80
  DOWNSTREAM ELEVATION(FEET) =    452.30
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.47
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.47

****************************************************************************
  FLOW PROCESS FROM NODE     71.00 TO NODE     74.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  452.30  DOWNSTREAM ELEVATION(FEET) =  448.30
  STREET LENGTH(FEET) =   331.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  2
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.13
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.25
    HALFSTREET FLOOD WIDTH(FEET) =    5.95
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.25
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.55
  STREET FLOW TRAVEL TIME(MIN.) =   2.45   Tc(MIN.) =    7.28
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.791
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.80      SUBAREA RUNOFF(CFS) =    3.29
  TOTAL AREA(ACRES) =        0.9        PEAK FLOW RATE(CFS) =       3.66

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.28   HALFSTREET FLOOD WIDTH(FEET) =   7.82
```

```
  FLOW VELOCITY(FEET/SEC.) =  2.51   DEPTH*VELOCITY(FT*FT/SEC.) =   0.71
  LONGEST FLOWPATH FROM NODE     70.00 TO NODE     74.00 =     406.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     74.00 TO NODE     74.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.28
  RAINFALL INTENSITY(INCH/HR) =   5.79
  TOTAL STREAM AREA(ACRES) =     0.89
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.66

****************************************************************************
  FLOW PROCESS FROM NODE     72.00 TO NODE     73.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    453.80
  DOWNSTREAM ELEVATION(FEET) =    452.30
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.825
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.47
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.47

****************************************************************************
  FLOW PROCESS FROM NODE     73.00 TO NODE     74.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  452.30  DOWNSTREAM ELEVATION(FEET) =  448.30
  STREET LENGTH(FEET) =   331.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.33
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.30
    HALFSTREET FLOOD WIDTH(FEET) =    8.70
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.67
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.80
  STREET FLOW TRAVEL TIME(MIN.) =   2.07   Tc(MIN.) =    6.89
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.996
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.710
  SUBAREA AREA(ACRES) =    0.87      SUBAREA RUNOFF(CFS) =    3.70
  TOTAL AREA(ACRES) =        1.0        PEAK FLOW RATE(CFS) =       4.09

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.35   HALFSTREET FLOOD WIDTH(FEET) =  11.10
```

```
 FLOW VELOCITY(FEET/SEC.) =  3.03   DEPTH*VELOCITY(FT*FT/SEC.) =   1.05
 LONGEST FLOWPATH FROM NODE     72.00 TO NODE     74.00 =     406.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     74.00 TO NODE     74.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  3
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
 TIME OF CONCENTRATION(MIN.) =    6.89
 RAINFALL INTENSITY(INCH/HR) =   6.00
 TOTAL STREAM AREA(ACRES) =     0.96
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.09

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       23.13     7.47        5.692          5.97
     2        3.66     7.28        5.791          0.89
     3        4.09     6.89        5.996          0.96

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  3 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1       28.89     6.89       5.996
     2       30.13     7.28       5.791
     3       30.60     7.47       5.692

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      30.60   Tc(MIN.) =    7.47
 TOTAL AREA(ACRES) =        7.8
 LONGEST FLOWPATH FROM NODE     50.00 TO NODE     74.00 =    1240.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     74.00 TO NODE      8.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   743.48  DOWNSTREAM(FEET) =   743.33
 FLOW LENGTH(FEET) =    30.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  33.0 INCH PIPE IS  21.8 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   7.34
 ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      30.60
 PIPE TRAVEL TIME(MIN.) =   0.07    Tc(MIN.) =    7.54
 LONGEST FLOWPATH FROM NODE     50.00 TO NODE      8.00 =    1270.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  10
----------------------------------------------------------------------------
 >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
 FLOW PROCESS FROM NODE      1.00 TO NODE      2.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 NATURAL DESERT LANDSCAPING RUNOFF COEFFICIENT = .3500
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
 UPSTREAM ELEVATION(FEET) =    535.00
```

```
  DOWNSTREAM ELEVATION(FEET) =    504.00
  ELEVATION DIFFERENCE(FEET) =     31.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.267
  WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.377
  SUBAREA RUNOFF(CFS) =      0.22
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.22

****************************************************************************
  FLOW PROCESS FROM NODE      2.00 TO NODE      3.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    504.00  DOWNSTREAM(FEET) =    455.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1168.00   CHANNEL SLOPE =  0.0420
  CHANNEL BASE(FEET) =   17.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.091
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.32
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.50
  AVERAGE FLOW DEPTH(FEET) =   0.07   TRAVEL TIME(MIN.) =  12.99
  Tc(MIN.) =   19.26
  SUBAREA AREA(ACRES) =     1.90       SUBAREA RUNOFF(CFS) =    4.17
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.692
  TOTAL AREA(ACRES) =        2.0         PEAK FLOW RATE(CFS) =       4.28

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.09   FLOW VELOCITY(FEET/SEC.) =   1.72
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      3.00 =    1268.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      3.00 TO NODE      5.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   451.00  DOWNSTREAM(FEET) =   443.87
  FLOW LENGTH(FEET) =   477.00   MANNING'S N =  0.013
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   7.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.42
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.28
  PIPE TRAVEL TIME(MIN.) =   1.24    Tc(MIN.) =   20.50
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1745.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      1.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   20.50
  RAINFALL INTENSITY(INCH/HR) =   2.97
  TOTAL STREAM AREA(ACRES) =     2.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.28

****************************************************************************
  FLOW PROCESS FROM NODE      4.00 TO NODE      6.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
```

```
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    457.50
  DOWNSTREAM ELEVATION(FEET) =    456.00
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.578
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.75
  TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.75

****************************************************************************
  FLOW PROCESS FROM NODE      6.00 TO NODE      5.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
  STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.38
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.30
    HALFSTREET FLOOD WIDTH(FEET) =    8.47
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.85
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.84
  STREET FLOW TRAVEL TIME(MIN.) =   2.79   Tc(MIN.) =    7.36
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.747
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.730
  SUBAREA AREA(ACRES) =    0.77      SUBAREA RUNOFF(CFS) =    3.23
  TOTAL AREA(ACRES) =        0.9        PEAK FLOW RATE(CFS) =       3.82

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.33   HALFSTREET FLOOD WIDTH(FEET) =  10.40
  FLOW VELOCITY(FEET/SEC.) =  3.18   DEPTH*VELOCITY(FT*FT/SEC.) =   1.06
  LONGEST FLOWPATH FROM NODE      4.00 TO NODE      5.00 =     552.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      4.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.36
  RAINFALL INTENSITY(INCH/HR) =   5.75
  TOTAL STREAM AREA(ACRES) =     0.91
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.82

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        4.28    20.50        2.969          2.00
      2        3.82     7.36        5.747          0.91
```

```
  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        5.35     7.36       5.747
      2        6.25    20.50       2.969

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       6.25   Tc(MIN.) =   20.50
  TOTAL AREA(ACRES) =        2.9
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1745.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      5.00 TO NODE      8.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   443.87  DOWNSTREAM(FEET) =   442.87
  FLOW LENGTH(FEET) =   200.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.61
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.25
  PIPE TRAVEL TIME(MIN.) =   0.72    Tc(MIN.) =   21.22
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1945.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.904
  *USER SPECIFIED(SUBAREA):
  STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.7106
  SUBAREA AREA(ACRES) =    0.14   SUBAREA RUNOFF(CFS) =    0.35
  TOTAL AREA(ACRES) =        3.0   TOTAL RUNOFF(CFS) =       6.29
  TC(MIN.) =   21.22

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1        6.29    21.22       2.904        3.05
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1945.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       30.60     7.54       5.659        7.82
  LONGEST FLOWPATH FROM NODE     50.00 TO NODE      8.00 =    1270.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      32.84       7.54        5.659
      2      22.00      21.22        2.904

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      32.84   Tc(MIN.) =    7.54
```

```
  TOTAL AREA(ACRES) =       10.9

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE     11.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   442.79  DOWNSTREAM(FEET) =   442.06
  FLOW LENGTH(FEET) =   146.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  24.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.95
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      32.84
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =    7.89
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    2091.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.89
  RAINFALL INTENSITY(INCH/HR) =   5.50
  TOTAL STREAM AREA(ACRES) =    10.87
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     32.84

****************************************************************************
  FLOW PROCESS FROM NODE      9.00 TO NODE     10.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    457.50
  DOWNSTREAM ELEVATION(FEET) =    456.00
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    2.988
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    70.00
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.31
  TOTAL AREA(ACRES) =      0.05   TOTAL RUNOFF(CFS) =      0.31

****************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
  STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 15.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
```

```
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       0.91
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.23
    HALFSTREET FLOOD WIDTH(FEET) =    5.20
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.33
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.54
  STREET FLOW TRAVEL TIME(MIN.) =   3.41   Tc(MIN.) =    6.40
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.294
  *USER SPECIFIED(SUBAREA):
  STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.850
  SUBAREA AREA(ACRES) =    0.22      SUBAREA RUNOFF(CFS) =    1.18
  TOTAL AREA(ACRES) =        0.3        PEAK FLOW RATE(CFS) =       1.44

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.26   HALFSTREET FLOOD WIDTH(FEET) =   6.70
  FLOW VELOCITY(FEET/SEC.) =  2.55   DEPTH*VELOCITY(FT*FT/SEC.) =   0.66
  LONGEST FLOWPATH FROM NODE      9.00 TO NODE     11.00 =     552.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.294
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (10.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .6000
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.6912
  SUBAREA AREA(ACRES) =    0.47   SUBAREA RUNOFF(CFS) =    1.77
  TOTAL AREA(ACRES) =        0.7   TOTAL RUNOFF(CFS) =       3.22
  TC(MIN.) =    6.40

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.40
  RAINFALL INTENSITY(INCH/HR) =   6.29
  TOTAL STREAM AREA(ACRES) =     0.74
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.22

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       32.84     7.89        5.496         10.87
      2        3.22     6.40        6.294          0.74

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       29.83     6.40       6.294
      2       35.65     7.89       5.496
```

```
 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      35.65   Tc(MIN.) =    7.89
 TOTAL AREA(ACRES) =       11.6
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    2091.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     11.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   442.04  DOWNSTREAM(FEET) =   441.50
 FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  33.0 INCH PIPE IS  24.8 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   7.46
 ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      35.65
 PIPE TRAVEL TIME(MIN.) =   0.21    Tc(MIN.) =    8.10
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     15.00 =    2185.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    8.10
 RAINFALL INTENSITY(INCH/HR) =   5.40
 TOTAL STREAM AREA(ACRES) =    11.61
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     35.65

****************************************************************************
 FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .3500
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
 UPSTREAM ELEVATION(FEET) =    540.00
 DOWNSTREAM ELEVATION(FEET) =    525.00
 ELEVATION DIFFERENCE(FEET) =     15.00
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.267
 WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.377
 SUBAREA RUNOFF(CFS) =      0.38
 TOTAL AREA(ACRES) =      0.17   TOTAL RUNOFF(CFS) =      0.38

****************************************************************************
 FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    525.00  DOWNSTREAM(FEET) =    446.95
 CHANNEL LENGTH THRU SUBAREA(FEET) =   780.00   CHANNEL SLOPE =  0.1001
 CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   2.000
 MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   1.00
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.467
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .3500
 S.C.S. CURVE NUMBER (AMC II) =   0
 TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       0.94
 TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.82
 AVERAGE FLOW DEPTH(FEET) =   0.10   TRAVEL TIME(MIN.) =   4.62
 Tc(MIN.) =   10.88
 SUBAREA AREA(ACRES) =     0.70       SUBAREA RUNOFF(CFS) =    1.09
```

```
 AREA-AVERAGE RUNOFF COEFFICIENT =  0.350
 TOTAL AREA(ACRES) =        0.9         PEAK FLOW RATE(CFS) =       1.36

 END OF SUBAREA CHANNEL FLOW HYDRAULICS:
 DEPTH(FEET) =  0.13   FLOW VELOCITY(FEET/SEC.) =   3.30
 LONGEST FLOWPATH FROM NODE     12.00 TO NODE     14.00 =     880.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   446.95  DOWNSTREAM(FEET) =   439.45
 FLOW LENGTH(FEET) =   760.00   MANNING'S N =  0.013
 ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
 DEPTH OF FLOW IN  18.0 INCH PIPE IS   4.4 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   4.01
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       1.36
 PIPE TRAVEL TIME(MIN.) =   3.16    Tc(MIN.) =   14.04
 LONGEST FLOWPATH FROM NODE     12.00 TO NODE     15.00 =    1640.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =   14.04
 RAINFALL INTENSITY(INCH/HR) =   3.79
 TOTAL STREAM AREA(ACRES) =     0.87
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.36

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       35.65     8.10        5.403         11.61
     2        1.36    14.04        3.790          0.87

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1       36.44     8.10       5.403
     2       26.37    14.04       3.790

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      36.44   Tc(MIN.) =    8.10
 TOTAL AREA(ACRES) =       12.5
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     15.00 =    2185.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   439.45  DOWNSTREAM(FEET) =   434.82
 FLOW LENGTH(FEET) =   232.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  27.0 INCH PIPE IS  19.2 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  12.05
 ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      36.44
 PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    8.42
```

```
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     16.00 =    2417.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.270
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .2700
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.6420
 SUBAREA AREA(ACRES) =    1.31   SUBAREA RUNOFF(CFS) =    1.86
 TOTAL AREA(ACRES) =       13.8   TOTAL RUNOFF(CFS) =      46.65
 TC(MIN.) =    8.42
============================================================================
 END OF STUDY SUMMARY:
 TOTAL AREA(ACRES)     =       13.8  TC(MIN.) =      8.42
 PEAK FLOW RATE(CFS)   =      46.65
============================================================================
============================================================================
 END OF RATIONAL METHOD ANALYSIS
```

PROPOSED-MITIGATED HYDROLOGIC ANALYSIS 100 – Year Design Storm

```
**************************************************************************

            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
            Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                         2003,1985,1981 HYDROLOGY MANUAL
          (c) Copyright 1982-2015 Advanced Engineering Software (aes)
              Ver. 22.0 Release Date: 07/01/2015  License ID 1239

                          Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* OAK KNOLL                                                             *
* HYDROLOGY ANALYSIS                                                    *
* MITIGATED 100-YEAR                                                    *
 ************************************************************************

  FILE NAME: R:\1713\HYD\DR\CALCS\AES\MIT\PR100.DAT
  TIME/DATE OF STUDY: 16:47 12/01/2022
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   2.800
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   12.0      7.0    0.020/0.020/0.020   0.33    1.50 0.0313 0.125 0.0130
  2   15.0      7.5    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0130

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.50 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  5.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE     74.00 TO NODE     74.00 IS CODE =   7
------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
========================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =  16.00   RAIN INTENSITY(INCH/HOUR) =  3.48
  TOTAL AREA(ACRES) =     7.82   TOTAL RUNOFF(CFS) =      6.01

**************************************************************************
  FLOW PROCESS FROM NODE     74.00 TO NODE      8.00 IS CODE =  31
------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   743.48  DOWNSTREAM(FEET) =   743.33
  FLOW LENGTH(FEET) =    30.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.89
```

```
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.01
  PIPE TRAVEL TIME(MIN.) =   0.10    Tc(MIN.) =   16.10
  LONGEST FLOWPATH FROM NODE      0.00 TO NODE      8.00 =      30.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE      1.00 TO NODE      2.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  NATURAL DESERT LANDSCAPING RUNOFF COEFFICIENT = .3500
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
  UPSTREAM ELEVATION(FEET) =    535.00
  DOWNSTREAM ELEVATION(FEET) =    504.00
  ELEVATION DIFFERENCE(FEET) =     31.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.267
  WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.377
  SUBAREA RUNOFF(CFS) =      0.22
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.22

****************************************************************************
  FLOW PROCESS FROM NODE      2.00 TO NODE      3.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    504.00  DOWNSTREAM(FEET) =    455.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1168.00   CHANNEL SLOPE =  0.0420
  CHANNEL BASE(FEET) =   17.00   "Z" FACTOR =  99.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.091
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.32
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.50
  AVERAGE FLOW DEPTH(FEET) =   0.07   TRAVEL TIME(MIN.) =  12.99
  Tc(MIN.) =   19.26
  SUBAREA AREA(ACRES) =     1.90       SUBAREA RUNOFF(CFS) =    4.17
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.692
  TOTAL AREA(ACRES) =        2.0         PEAK FLOW RATE(CFS) =       4.28

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.09   FLOW VELOCITY(FEET/SEC.) =   1.72
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      3.00 =    1268.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE      3.00 TO NODE      5.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   451.00  DOWNSTREAM(FEET) =   443.87
  FLOW LENGTH(FEET) =   477.00   MANNING'S N =  0.013
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   7.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.42
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.28
  PIPE TRAVEL TIME(MIN.) =   1.24    Tc(MIN.) =   20.50
```

```
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1745.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      1.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =   20.50
 RAINFALL INTENSITY(INCH/HR) =   2.97
 TOTAL STREAM AREA(ACRES) =     2.00
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.28

****************************************************************************
 FLOW PROCESS FROM NODE      4.00 TO NODE      6.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
 UPSTREAM ELEVATION(FEET) =    457.50
 DOWNSTREAM ELEVATION(FEET) =    456.00
 ELEVATION DIFFERENCE(FEET) =      1.50
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.578
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      0.75
 TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.75

****************************************************************************
 FLOW PROCESS FROM NODE      6.00 TO NODE      5.00 IS CODE =  62
----------------------------------------------------------------------------
 >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
 UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
 STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
 STREET HALFWIDTH(FEET) = 15.00

 DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
 INSIDE STREET CROSSFALL(DECIMAL) =  0.020
 OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

 SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
 STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
 Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
 Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

   **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.38
   STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
   STREET FLOW DEPTH(FEET) =  0.30
   HALFSTREET FLOOD WIDTH(FEET) =    8.47
   AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.85
   PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.84
 STREET FLOW TRAVEL TIME(MIN.) =   2.79   Tc(MIN.) =    7.36
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.747
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (24. DU/AC OR LESS) RUNOFF COEFFICIENT = .7300
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT =  0.730
 SUBAREA AREA(ACRES) =    0.77      SUBAREA RUNOFF(CFS) =    3.23
 TOTAL AREA(ACRES) =        0.9        PEAK FLOW RATE(CFS) =       3.82

 END OF SUBAREA STREET FLOW HYDRAULICS:
 DEPTH(FEET) = 0.33   HALFSTREET FLOOD WIDTH(FEET) =  10.40
 FLOW VELOCITY(FEET/SEC.) =  3.18   DEPTH*VELOCITY(FT*FT/SEC.) =   1.06
```

```
 LONGEST FLOWPATH FROM NODE      4.00 TO NODE      5.00 =     552.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      4.00 TO NODE      5.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    7.36
 RAINFALL INTENSITY(INCH/HR) =   5.75
 TOTAL STREAM AREA(ACRES) =     0.91
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.82

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1        4.28    20.50        2.969          2.00
     2        3.82     7.36        5.747          0.91

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1        5.35     7.36       5.747
     2        6.25    20.50       2.969

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =       6.25   Tc(MIN.) =   20.50
 TOTAL AREA(ACRES) =        2.9
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE      5.00 =    1745.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      5.00 TO NODE      8.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   443.87  DOWNSTREAM(FEET) =   442.87
 FLOW LENGTH(FEET) =   200.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.9 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   4.61
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       6.25
 PIPE TRAVEL TIME(MIN.) =   0.72    Tc(MIN.) =   21.22
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1945.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.904
 *USER SPECIFIED(SUBAREA):
 STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.7106
 SUBAREA AREA(ACRES) =    0.14   SUBAREA RUNOFF(CFS) =    0.35
 TOTAL AREA(ACRES) =        3.0   TOTAL RUNOFF(CFS) =       6.29
 TC(MIN.) =   21.22

****************************************************************************
 FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  11
----------------------------------------------------------------------------
 >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================
```

```
  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1        6.29    21.22       2.904        3.05
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE      8.00 =    1945.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1        6.01    16.10       3.470        7.82
  LONGEST FLOWPATH FROM NODE      0.00 TO NODE      8.00 =      30.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      10.79      16.10        3.470
      2      11.32      21.22        2.904

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      11.32   Tc(MIN.) =   21.22
  TOTAL AREA(ACRES) =       10.9

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE      8.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE      8.00 TO NODE     11.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   442.79  DOWNSTREAM(FEET) =   442.06
  FLOW LENGTH(FEET) =   146.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  15.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.41
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.32
  PIPE TRAVEL TIME(MIN.) =   0.45    Tc(MIN.) =   21.67
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    2091.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   21.67
  RAINFALL INTENSITY(INCH/HR) =   2.86
  TOTAL STREAM AREA(ACRES) =    10.87
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     11.32

****************************************************************************
  FLOW PROCESS FROM NODE      9.00 TO NODE     10.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    457.50
  DOWNSTREAM ELEVATION(FEET) =    456.00
  ELEVATION DIFFERENCE(FEET) =      1.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    2.988
```

```
 WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
          THE MAXIMUM OVERLAND FLOW LENGTH =    70.00
          (Reference: Table 3-1B of Hydrology Manual)
          THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.377
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      0.31
 TOTAL AREA(ACRES) =      0.05   TOTAL RUNOFF(CFS) =      0.31

****************************************************************************
 FLOW PROCESS FROM NODE     10.00 TO NODE     11.00 IS CODE =  62
----------------------------------------------------------------------------
 >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
 UPSTREAM ELEVATION(FEET) =  456.00  DOWNSTREAM ELEVATION(FEET) =  449.17
 STREET LENGTH(FEET) =   477.00   CURB HEIGHT(INCHES) =  6.0
 STREET HALFWIDTH(FEET) = 15.00

 DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   7.50
 INSIDE STREET CROSSFALL(DECIMAL) =  0.020
 OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

 SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
 STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
 Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0130
 Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0130

   **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       0.91
   STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
   STREET FLOW DEPTH(FEET) =  0.23
   HALFSTREET FLOOD WIDTH(FEET) =    5.20
   AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.33
   PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.54
 STREET FLOW TRAVEL TIME(MIN.) =   3.41   Tc(MIN.) =    6.40
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.294
 *USER SPECIFIED(SUBAREA):
 STREETS & ROADS (CURBS/STORM DRAINS) RUNOFF COEFFICIENT = .8500
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT =  0.850
 SUBAREA AREA(ACRES) =    0.22      SUBAREA RUNOFF(CFS) =    1.18
 TOTAL AREA(ACRES) =        0.3        PEAK FLOW RATE(CFS) =       1.44

 END OF SUBAREA STREET FLOW HYDRAULICS:
 DEPTH(FEET) = 0.26   HALFSTREET FLOOD WIDTH(FEET) =   6.70
 FLOW VELOCITY(FEET/SEC.) =  2.55   DEPTH*VELOCITY(FT*FT/SEC.) =   0.66
 LONGEST FLOWPATH FROM NODE      9.00 TO NODE     11.00 =     552.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.294
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (10.9 DU/AC OR LESS) RUNOFF COEFFICIENT = .6000
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.6912
 SUBAREA AREA(ACRES) =    0.47   SUBAREA RUNOFF(CFS) =    1.77
 TOTAL AREA(ACRES) =        0.7   TOTAL RUNOFF(CFS) =       3.22
 TC(MIN.) =    6.40

****************************************************************************
 FLOW PROCESS FROM NODE     11.00 TO NODE     11.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
```

```
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    6.40
 RAINFALL INTENSITY(INCH/HR) =   6.29
 TOTAL STREAM AREA(ACRES) =     0.74
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.22

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       11.32    21.67        2.865         10.87
     2        3.22     6.40        6.294          0.74

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1        6.56     6.40       6.294
     2       12.79    21.67       2.865

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      12.79   Tc(MIN.) =   21.67
 TOTAL AREA(ACRES) =       11.6
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     11.00 =    2091.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     11.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   442.04  DOWNSTREAM(FEET) =   441.50
 FLOW LENGTH(FEET) =    94.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  24.0 INCH PIPE IS  15.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   5.86
 ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      12.79
 PIPE TRAVEL TIME(MIN.) =   0.27    Tc(MIN.) =   21.94
 LONGEST FLOWPATH FROM NODE      1.00 TO NODE     15.00 =    2185.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =   21.94
 RAINFALL INTENSITY(INCH/HR) =   2.84
 TOTAL STREAM AREA(ACRES) =    11.61
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     12.79

****************************************************************************
 FLOW PROCESS FROM NODE     12.00 TO NODE     13.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
 *USER SPECIFIED(SUBAREA):
 RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .3500
 S.C.S. CURVE NUMBER (AMC II) =   0
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   100.00
 UPSTREAM ELEVATION(FEET) =    540.00
 DOWNSTREAM ELEVATION(FEET) =    525.00
 ELEVATION DIFFERENCE(FEET) =     15.00
 SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.267
 WARNING: THE MAXIMUM OVERLAND FLOW SLOPE, 10.%, IS USED IN Tc CALCULATION!
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.377
 SUBAREA RUNOFF(CFS) =      0.38
```

```
  TOTAL AREA(ACRES) =      0.17   TOTAL RUNOFF(CFS) =      0.38

****************************************************************************
  FLOW PROCESS FROM NODE     13.00 TO NODE     14.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    525.00  DOWNSTREAM(FEET) =    446.95
  CHANNEL LENGTH THRU SUBAREA(FEET) =   780.00   CHANNEL SLOPE =  0.1001
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   2.000
  MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  4.467
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .3500
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       0.94
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.82
  AVERAGE FLOW DEPTH(FEET) =   0.10   TRAVEL TIME(MIN.) =   4.62
  Tc(MIN.) =   10.88
  SUBAREA AREA(ACRES) =     0.70       SUBAREA RUNOFF(CFS) =    1.09
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.350
  TOTAL AREA(ACRES) =        0.9         PEAK FLOW RATE(CFS) =       1.36

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.13   FLOW VELOCITY(FEET/SEC.) =   3.30
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     14.00 =     880.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     14.00 TO NODE     15.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   446.95  DOWNSTREAM(FEET) =   439.45
  FLOW LENGTH(FEET) =   760.00   MANNING'S N =  0.013
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 18.000
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   4.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.01
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.36
  PIPE TRAVEL TIME(MIN.) =   3.16    Tc(MIN.) =   14.04
  LONGEST FLOWPATH FROM NODE     12.00 TO NODE     15.00 =    1640.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     15.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   14.04
  RAINFALL INTENSITY(INCH/HR) =   3.79
  TOTAL STREAM AREA(ACRES) =     0.87
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.36

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       12.79    21.94        2.842         11.61
      2        1.36    14.04        3.790          0.87

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
```

```
     1       10.95    14.04       3.790
     2       13.81    21.94       2.842

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      13.81   Tc(MIN.) =   21.94
  TOTAL AREA(ACRES) =       12.5
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     15.00 =    2185.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     15.00 TO NODE     16.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   439.45  DOWNSTREAM(FEET) =   434.82
  FLOW LENGTH(FEET) =   232.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.32
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.81
  PIPE TRAVEL TIME(MIN.) =   0.42    Tc(MIN.) =   22.35
  LONGEST FLOWPATH FROM NODE      1.00 TO NODE     16.00 =    2417.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     16.00 TO NODE     16.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.808
  *USER SPECIFIED(SUBAREA):
  RESIDENTIAL (1. DU/AC OR LESS) RUNOFF COEFFICIENT = .2700
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.3671
  SUBAREA AREA(ACRES) =    1.31   SUBAREA RUNOFF(CFS) =    0.99
  TOTAL AREA(ACRES) =       13.8   TOTAL RUNOFF(CFS) =      14.21
  TC(MIN.) =   22.35
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       13.8  TC(MIN.) =     22.35
  PEAK FLOW RATE(CFS)   =      14.21
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

CHAPTER 4
Detention Analysis

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 12/1/2022
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 8 MIN.
6 HOUR RAINFALL 2.8 INCHES
BASIN AREA 7.82 ACRES
RUNOFF COEFFICIENT 0.71
PEAK DISCHARGE 30.6 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 8	DISCHARGE (CFS) = 0.9
TIME (MIN) = 16	DISCHARGE (CFS) = 0.9
TIME (MIN) = 24	DISCHARGE (CFS) = 1
TIME (MIN) = 32	DISCHARGE (CFS) = 1
TIME (MIN) = 40	DISCHARGE (CFS) = 1
TIME (MIN) = 48	DISCHARGE (CFS) = 1
TIME (MIN) = 56	DISCHARGE (CFS) = 1.1
TIME (MIN) = 64	DISCHARGE (CFS) = 1.1
TIME (MIN) = 72	DISCHARGE (CFS) = 1.1
TIME (MIN) = 80	DISCHARGE (CFS) = 1.2
TIME (MIN) = 88	DISCHARGE (CFS) = 1.2
TIME (MIN) = 96	DISCHARGE (CFS) = 1.2
TIME (MIN) = 104	DISCHARGE (CFS) = 1.3
TIME (MIN) = 112	DISCHARGE (CFS) = 1.3
TIME (MIN) = 120	DISCHARGE (CFS) = 1.4
TIME (MIN) = 128	DISCHARGE (CFS) = 1.4
TIME (MIN) = 136	DISCHARGE (CFS) = 1.5
TIME (MIN) = 144	DISCHARGE (CFS) = 1.6
TIME (MIN) = 152	DISCHARGE (CFS) = 1.7
TIME (MIN) = 160	DISCHARGE (CFS) = 1.8
TIME (MIN) = 168	DISCHARGE (CFS) = 1.9
TIME (MIN) = 176	DISCHARGE (CFS) = 2
TIME (MIN) = 184	DISCHARGE (CFS) = 2.2
TIME (MIN) = 192	DISCHARGE (CFS) = 2.4
TIME (MIN) = 200	DISCHARGE (CFS) = 2.7
TIME (MIN) = 208	DISCHARGE (CFS) = 2.9
TIME (MIN) = 216	DISCHARGE (CFS) = 3.6
TIME (MIN) = 224	DISCHARGE (CFS) = 4.1
TIME (MIN) = 232	DISCHARGE (CFS) = 6
TIME (MIN) = 240	DISCHARGE (CFS) = 8.1
TIME (MIN) = 248	DISCHARGE (CFS) = 30.6
TIME (MIN) = 256	DISCHARGE (CFS) = 4.8
TIME (MIN) = 264	DISCHARGE (CFS) = 3.2
TIME (MIN) = 272	DISCHARGE (CFS) = 2.5
TIME (MIN) = 280	DISCHARGE (CFS) = 2.1
TIME (MIN) = 288	DISCHARGE (CFS) = 1.8
TIME (MIN) = 296	DISCHARGE (CFS) = 1.6
TIME (MIN) = 304	DISCHARGE (CFS) = 1.5
TIME (MIN) = 312	DISCHARGE (CFS) = 1.4
TIME (MIN) = 320	DISCHARGE (CFS) = 1.3
TIME (MIN) = 328	DISCHARGE (CFS) = 1.2
TIME (MIN) = 336	DISCHARGE (CFS) = 1.1
TIME (MIN) = 344	DISCHARGE (CFS) = 1.1
TIME (MIN) = 352	DISCHARGE (CFS) = 1
TIME (MIN) = 360	DISCHARGE (CFS) = 1
TIME (MIN) = 368	DISCHARGE (CFS) = 0

Vault 1

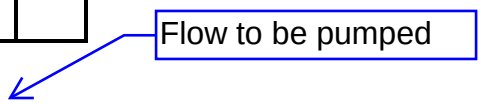
Vault #1 Stage Storage

depth	area	area (ac)	elevation	volume (cf)	volume (acft)
0.0	7440.0	0.1708	0.0	0	0.00
0.1	7440	0.1708	0.1	744	0.02
0.2	7440	0.1708	0.2	1,488	0.03
0.3	7440	0.1708	0.3	2,232	0.05
0.4	7440	0.1708	0.4	2,976	0.07
0.5	7440.0	0.1708	0.5	3,720	0.09
0.6	7440.0	0.1708	0.6	4,464	0.10
0.7	7440.0	0.1708	0.7	5,208	0.12
0.8	7440.0	0.1708	0.8	5,952	0.14
0.9	7440.0	0.1708	0.9	6,696	0.15
1.0	7440.0	0.1708	1.0	7,440	0.17
1.1	7440.0	0.1708	1.1	8,184	0.19
1.2	7440.0	0.1708	1.2	8,928	0.20
1.3	7440.0	0.1708	1.3	9,672	0.22
1.4	7440.0	0.1708	1.4	10,416	0.24
1.5	7440.0	0.1708	1.5	11,160	0.26
1.6	7440.0	0.1708	1.6	11,904	0.27
1.7	7440.0	0.1708	1.7	12,648	0.29
1.8	7440.0	0.1708	1.8	13,392	0.31
1.9	7440.0	0.1708	1.9	14,136	0.32
2.0	7440.0	0.1708	2.0	14,880	0.34
2.1	7440.0	0.1708	2.1	15,624	0.36
2.2	7440.0	0.1708	2.2	16,368	0.38
2.3	7440.0	0.1708	2.3	17,112	0.39
2.4	7440.0	0.1708	2.4	17,856	0.41
2.5	7440.0	0.1708	2.5	18,600	0.43
2.6	7440.0	0.1708	2.6	19,344	0.44
2.7	7440.0	0.1708	2.7	20,088	0.46
2.8	7440.0	0.1708	2.8	20,832	0.48
2.9	7440.0	0.1708	2.9	21,576	0.50
3.0	7440.0	0.1708	3.0	22,320	0.51
3.1	7440.0	0.1708	3.1	23,064	0.53
3.2	7440.0	0.1708	3.2	23,808	0.55
3.3	7440.0	0.1708	3.3	24,552	0.56
3.4	7440.0	0.1708	3.4	25,296	0.58
3.5	7440.0	0.1708	3.5	26,040	0.60
3.6	7440.0	0.1708	3.6	26,784	0.61
3.7	7440.0	0.1708	3.7	27,528	0.63
3.8	7440.0	0.1708	3.8	28,272	0.65
3.9	7440.0	0.1708	3.9	29,016	0.67
4.0	7440.0	0.1708	4.0	29,760	0.68
4.1	7440.0	0.1708	4.1	30,504	0.70
4.2	7440.0	0.1708	4.2	31,248	0.72
4.3	7440.0	0.1708	4.3	31,992	0.73
4.4	7440.0	0.1708	4.4	32,736	0.75
4.5	7440.0	0.1708	4.5	33,480	0.77
4.6	7440.0	0.1708	4.6	34,224	0.79
4.7	7440.0	0.1708	4.7	34,968	0.80
4.8	7440.0	0.1708	4.8	35,712	0.82
4.9	7440.0	0.1708	4.9	36,456	0.84
5.0	7440.0	0.1708	5.0	37,200	0.85
5.1	7440.0	0.1708	5.1	37,944	0.87
5.2	7440.0	0.1708	5.2	38,688	0.89
5.3	7440.0	0.1708	5.3	39,432	0.91
5.4	7440.0	0.1708	5.4	40,176	0.92
5.5	7440.0	0.1708	5.5	40,920	0.94
5.6	7440.0	0.1708	5.6	41,664	0.96
5.67	7440.0	0.1708	5.67	42,185	0.97
5.8	7440.0	0.1708	5.8	43,152	0.99
5.9	7440.0	0.1708	5.9	43,896	1.01
6.0	7440.0	0.1708	6.0	44,640	1.02

Vault #1 Discharge HMP Riser

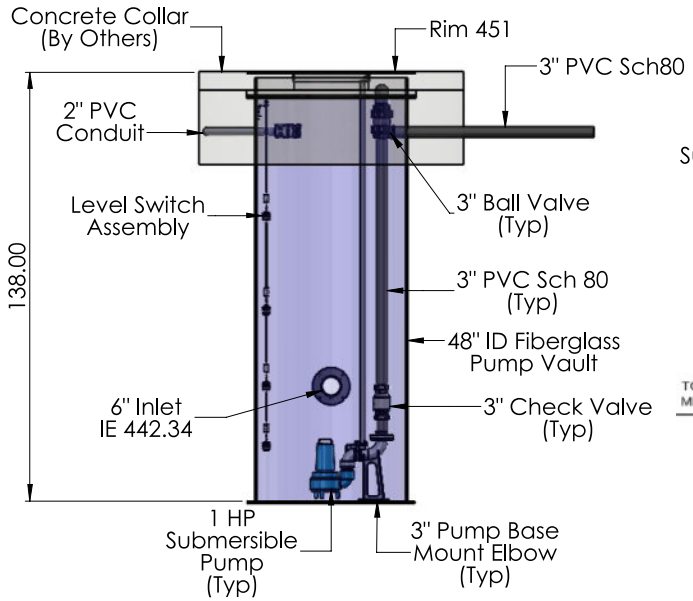
Discharge vs Elevation Table

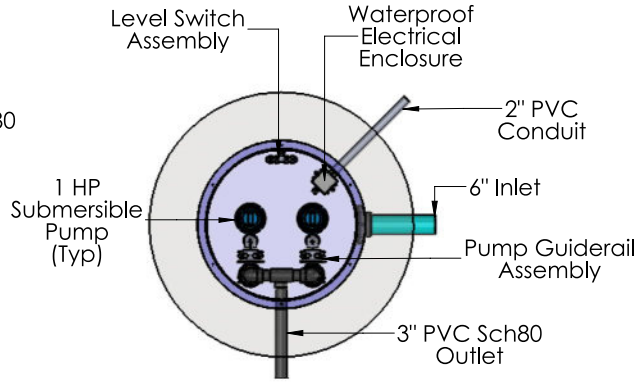
Low orifice:	1.75 "		Top orifice:	6 "	
Number:	1		Number:	2	
Cg-low:	0.61		Cg-low:	0.61	
invert elev:	0.00 ft		invert elev:	2.80 ft	
Middle orifice:	6 "		Emergency inlet:		
number of orif:	2		Rim height:	5.00 ft	
Cg-middle:	0.61		Riser Box D	3X2	
invert elev:	2.05 ft		Weir Length	10.00 ft	

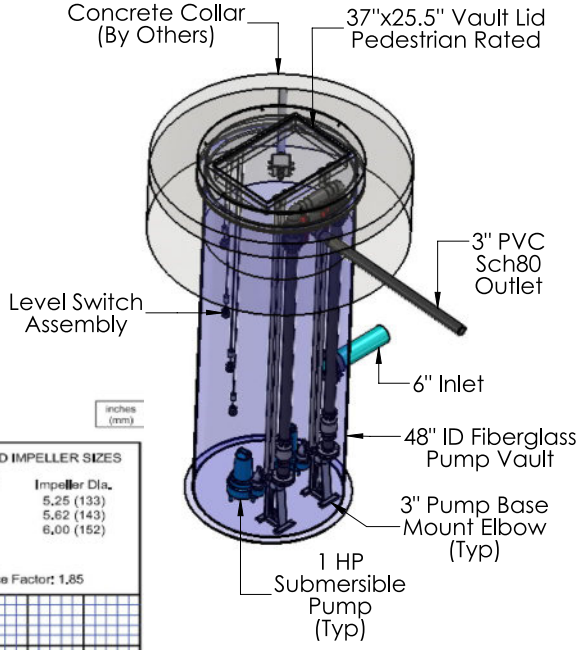


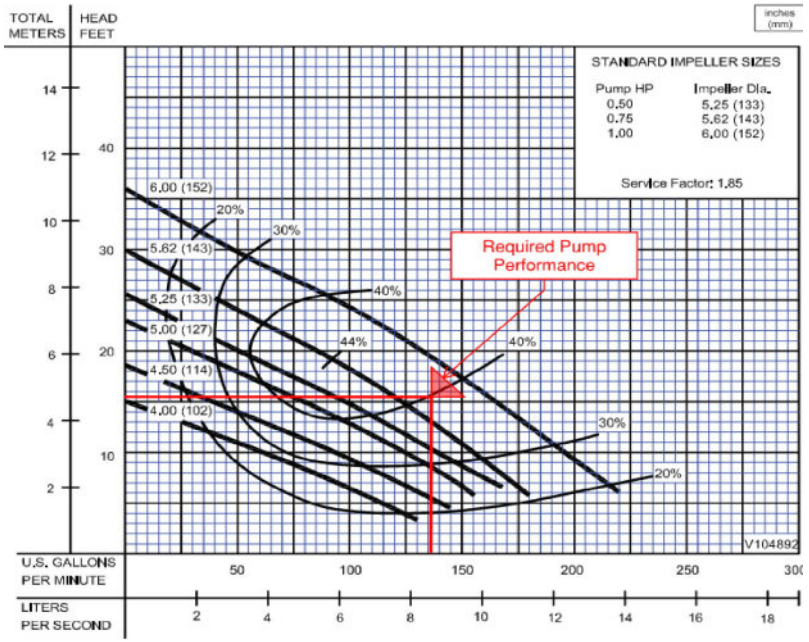
h	H/D-low	H/D-mid	H/D-top	Qlow-orif	Qlow-weir	Qtot-low	Qmid-orif	Qmid-weir	Qtot-med	Qtop-orif	Qtop-weir	Qtot-top	Qpeak-top	Qtot
(ft)	-	-	-	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
0.0	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000
0.1	0.69	0.00	0.00	0.013	0.011	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0111
0.2	1.37	0.00	0.00	0.029	0.034	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0291
0.3	2.06	0.00	0.00	0.039	0.052	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0390
0.4	2.74	0.00	0.00	0.047	0.057	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0468
0.5	3.43	0.00	0.00	0.053	0.062	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0534
0.6	4.11	0.00	0.00	0.059	0.110	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0594
0.7	4.80	0.00	0.00	0.065	0.290	0.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0647
0.8	5.49	0.00	0.00	0.070	0.746	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0697
0.9	6.17	0.00	0.00	0.074	1.688	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0744
1.0	6.86	0.00	0.00	0.079	3.408	0.079	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0787
1.1	7.54	0.00	0.00	0.083	6.288	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0829
1.2	8.23	0.00	0.00	0.087	10.812	0.087	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0868
1.3	8.91	0.00	0.00	0.091	17.580	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0906
1.4	9.60	0.00	0.00	0.094	27.318	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0942
1.5	10.29	0.00	0.00	0.098	40.891	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0977
1.6	10.97	0.00	0.00	0.101	59.316	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1010
1.7	11.66	0.00	0.00	0.104	83.768	0.104	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1043
1.8	12.34	0.00	0.00	0.107	115.600	0.107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1075
1.9	13.03	0.00	0.00	0.111	156.348	0.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1105
2.0	13.71	0.00	0.00	0.114	207.749	0.114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1135
2.1	14.40	0.10	0.00	0.116	271.745	0.116	0.000	0.012	0.012	0.000	0.000	0.000	0.000	0.1285
2.2	15.09	0.30	0.00	0.119	350.503	0.119	0.000	0.103	0.103	0.000	0.000	0.000	0.000	0.2221
2.3	15.77	0.50	0.00	0.122	446.422	0.122	0.000	0.271	0.271	0.000	0.000	0.000	0.000	0.3930
2.4	16.46	0.70	0.00	0.125	562.146	0.125	0.608	0.500	0.500	0.000	0.000	0.000	0.000	0.6250
2.5	17.14	0.90	0.00	0.127	700.574	0.127	0.860	0.772	0.772	0.000	0.000	0.000	0.000	0.8997
2.6	17.83	1.10	0.00	0.130	864.878	0.130	1.053	1.068	1.053	0.000	0.000	0.000	0.000	1.1829
2.7	18.51	1.30	0.00	0.133	1058.505	0.133	1.216	1.367	1.216	0.000	0.000	0.000	0.000	1.3483
2.8	19.20	1.50	0.00	0.135	1285.200	0.135	1.359	1.653	1.359	0.000	0.000	0.000	0.000	1.4943
2.9	19.89	1.70	0.20	0.137	1549.007	0.137	1.489	1.909	1.489	0.000	0.047	0.047	0.000	1.6735
3.0	20.57	1.90	0.40	0.140	1854.288	0.140	1.608	2.123	1.608	0.000	0.178	0.178	0.000	1.9265
3.1	21.26	2.10	0.60	0.142	2205.735	0.142	1.719	2.286	1.719	0.430	0.379	0.379	0.000	2.2408
3.2	21.94	2.30	0.80	0.145	2608.377	0.145	1.824	2.396	1.824	0.745	0.632	0.632	0.000	2.6004
3.3	22.63	2.50	1.00	0.147	3067.593	0.147	1.922	2.458	1.922	0.961	0.918	0.918	0.000	2.9876
3.4	23.31	2.70	1.20	0.149	3589.130	0.149	2.016	2.482	2.016	1.137	1.218	1.137	0.000	3.3026
3.5	24.00	2.90	1.40	0.151	4179.106	0.151	2.106	2.489	2.106	1.290	1.513	1.290	0.000	3.5468
3.6	24.69	3.10	1.60	0.154	4844.028	0.154	2.192	2.510	2.192	1.426	1.786	1.426	0.000	3.7710
3.7	25.37	3.30	1.80	0.156	5590.801	0.156	2.275	2.586	2.275	1.550	2.022	1.550	0.000	3.9801
3.8	26.06	3.50	2.00	0.158	6426.741	0.158	2.354	2.770	2.354	1.665	2.211	1.665	0.000	4.1770
3.9	26.74	3.70	2.20	0.160	7359.586	0.160	2.432	3.128	2.432	1.772	2.348	1.772	0.000	4.3639
4.0	27.43	3.90	2.40	0.162	8397.508	0.162	2.506	3.742	2.506	1.874	2.433	1.874	0.000	4.5422
4.1	28.11	4.10	2.60	0.164	9549.127	0.164	2.579	4.707	2.579	1.970	2.473	1.970	0.000	4.7130
4.2	28.80	4.30	2.80	0.166	10823.518	0.166	2.650	6.136	2.650	2.061	2.486	2.061	0.000	4.8774
4.3	29.49	4.50	3.00	0.168	12230.228	0.168	2.719	8.158	2.719	2.149	2.496	2.149	0.000	5.0360
4.4	30.17	4.70	3.20	0.170	13779.284	0.170	2.786	10.921	2.786	2.234	2.538	2.234	0.000	5.1894
4.5	30.86	4.90	3.40	0.172	15481.209	0.172	2.851	14.595	2.851	2.315	2.661	2.315	0.000	5.3382
4.6	31.54	5.10	3.60	0.174	17347.028	0.174	2.915	19.366	2.915	2.393	2.923	2.393	0.000	5.4827
4.7	32.23	5.30	3.80	0.176	19388.286	0.176	2.978	25.447	2.978	2.469	3.398	2.469	0.000	5.6233
4.8	32.91	5.50	4.00	0.178	21617.054	0.178	3.040	33.070	3.040	2.543	4.174	2.543	0.000	5.7603
4.9	33.60	5.70	4.20	0.180	24045.946	0.180	3.100	42.492	3.100	2.615	5.356	2.615	0.000	5.8940
5.0	34.29	5.90	4.40	0.181	26688.127	0.181	3.159	53.998	3.159	2.684	7.064	2.684	0.000	6.0247
5.1	34.97	6.10	4.60	0.183	29557.329	0.183	3.217	67.894	3.217	2.752	9.437	2.752	1.053	7.2055
5.2	35.66	6.30	4.80	0.185	32667.857	0.185	3.274	84.517	3.274	2.819	12.633	2.819	2.978	9.2560
5.3	36.34	6.50	5.00	0.187	36034.605	0.187	3.330	104.231	3.330	2.884	16.830	2.884	5.472	11.8718
5.4	37.03	6.70	5.20	0.189	39673.069	0.189	3.385	127.430	3.385	2.947	22.229	2.947	8.424	14.9446
5.5	37.71	6.90	5.40	0.190	43599.355	0.190	3.439	154.538	3.439	3.009	29.050	3.009	11.773	18.4116
5.6	38.40	7.10	5.60	0.192	47830.191	0.192	3.492	186.011	3.492	3.070	37.539	3.070	15.476	22.2305
5.70	39.09	7.30	5.80	0.194	52382.944	0.194	3.545	222.338	3.545	3.129	47.966	3.129	19.503	26.3705
5.8	39.77	7.50	6.00	0.196	57275.625	0.196	3.596	264.040	3.596	3.188	60.626	3.188	23.828	30.8075
5.9	40.46	7.70	6.20	0.197	62526.905	0.197	3.647	311.676	3.647	3.245	75.842	3.245	28.432	35.5221
6.0	41.14	7.90	6.40	0.199	68156.127	0.199	3.698	365.837	3.698	3.302	93.963	3.302	33.300	40.4985

HMP Drawdown @				87.24
Elevation	Q_{AVG} (CFS)	DV (CF)	DT (HR)	Total T
0.10	0.01108	744	18.66	87.24
0.20	0.02011	744	10.28	68.59
0.30	0.03406	744	6.07	58.31
0.40	0.04286	744	4.82	52.24
0.50	0.05010	744	4.13	47.42
0.60	0.05640	744	3.66	43.30
0.70	0.06206	744	3.33	39.63
0.80	0.06724	744	3.07	36.30
0.90	0.07204	744	2.87	33.23
1.00	0.07655	744	2.70	30.36
1.10	0.08080	744	2.56	27.66
1.20	0.08484	744	2.44	25.10
1.30	0.08869	744	2.33	22.67
1.40	0.09239	744	2.24	20.34
1.50	0.09594	744	2.15	18.10
1.60	0.09936	744	2.08	15.95
1.70	0.10267	744	2.01	13.87
1.80	0.10588	744	1.95	11.85
1.90	0.10899	744	1.90	9.90
2.00	0.11202	744	1.84	8.00
2.10	0.12103	744	1.71	6.16
2.20	0.17534	744	1.18	4.45
2.30	0.30758	744	0.67	3.27
2.40	0.50900	744	0.41	2.60
2.50	0.76233	744	0.27	2.20
2.60	1.04128	744	0.20	1.92
2.70	1.26561	744	0.16	1.73
2.80	1.42133	744	0.15	1.56
2.90	1.58390	744	0.13	1.42
3.00	1.79997	744	0.11	1.29
3.10	2.08362	744	0.10	1.17
3.20	2.42058	744	0.09	1.07
3.30	2.79398	744	0.07	0.99
3.40	3.14508	744	0.07	0.91
3.50	3.42468	744	0.06	0.85
3.60	3.65889	744	0.06	0.79
3.70	3.87558	744	0.05	0.73
3.80	4.07859	744	0.05	0.68
3.90	4.27047	744	0.05	0.63
4.00	4.45302	744	0.05	0.58
4.10	4.62758	744	0.04	0.53
4.20	4.79520	744	0.04	0.49
4.30	4.95668	744	0.04	0.44
4.40	5.11269	744	0.04	0.40
4.50	5.26379	744	0.04	0.36
4.60	5.41042	744	0.04	0.32
4.70	5.55298	744	0.04	0.28
4.80	5.69180	744	0.04	0.25
4.90	5.82717	744	0.04	0.21
5.00	5.95934	744	0.03	0.18
5.10	6.61506	744	0.03	0.14
5.20	8.23071	744	0.03	0.11
5.30	10.56389	744	0.02	0.08
5.40	13.40821	744	0.02	0.06
5.50	16.67808	744	0.01	0.05
5.60	20.32106	744	0.01	0.04
5.70	24.30053	521	0.01	0.03
5.80	28.58899	967	0.01	0.02
5.90	33.16480	744	0.01	0.01
6.00	38.01033	744	0.01	0.01









NOTES:
1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-10, 200 - 240v, 1 phase, 8.8A max. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 3" pump system outlet pipe as shown on Civil Sheets.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on Civil Engineer's design calculations = 137 gpm.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	21	1.19'
Check Valve	1	1.72'
90 Elbow	2	0.96'
Tee	1	1.24'
45 Elbow	2	0.41'
Exit	1	0.69'
Elevation Head		9.17'
Total Headloss @ 137 gpm		15.37'

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

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	NAME	DATE
DRAWN	SRG	7/01/22
CHECKED	MDF	7/01/22
ENG APPR.	CKL	7/01/22

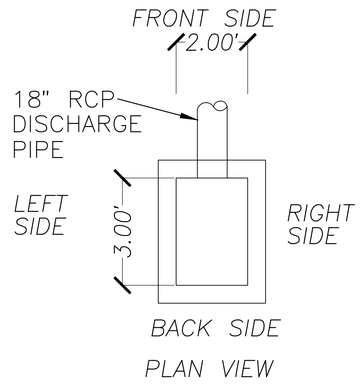
REV

TITLE: Harmon Oaks - Poway, CA Stormwater Treatment Discharge Pump

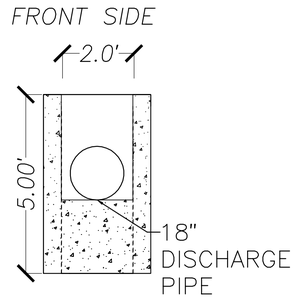
SIZE B | SHEET 1 OF 1

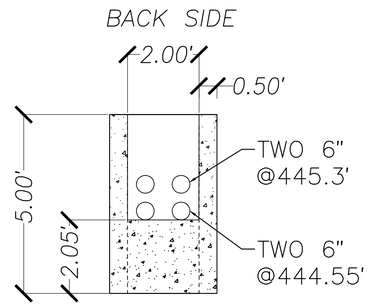
DETENTION VAULT 1
LOW ORIFICE DETAIL (B)

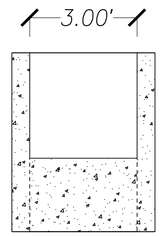
SCALE 1"=0.5'



PLAN VIEW

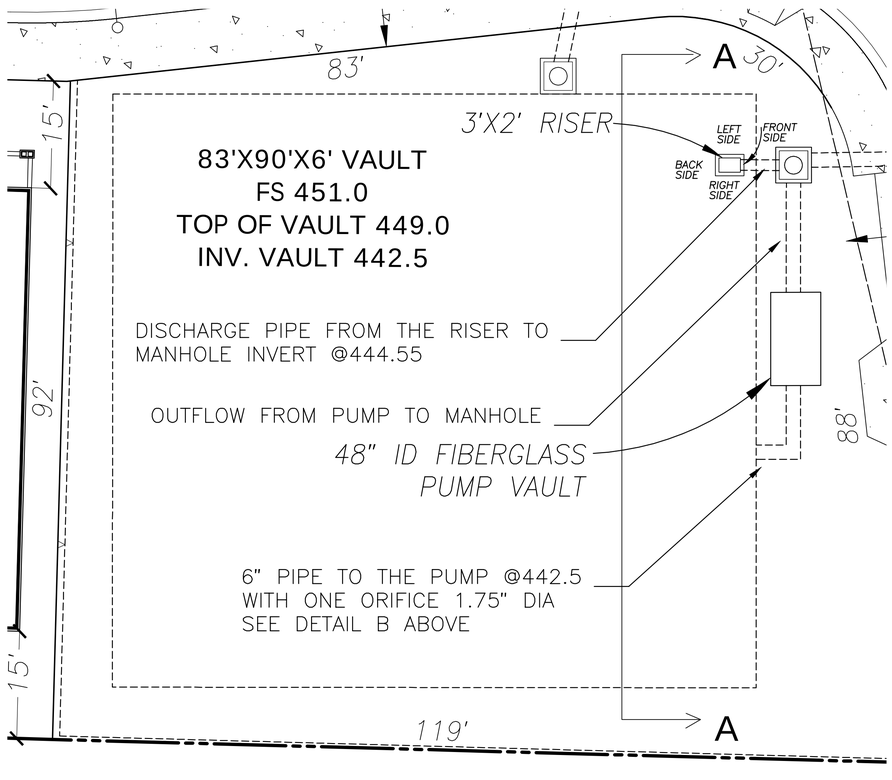






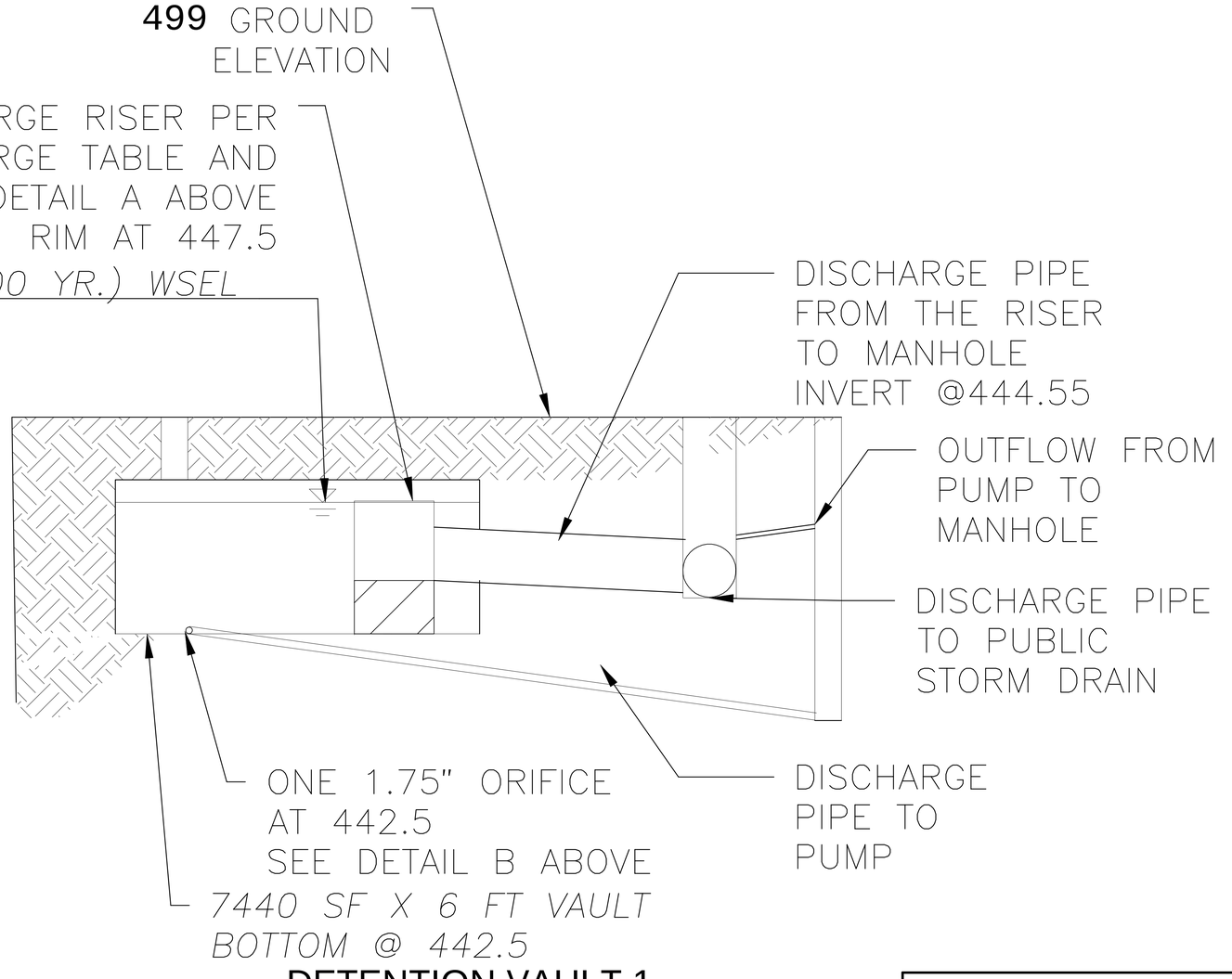
DETENTION VAULT 1
RISER DETAIL (A)

2 0 2 4 6
SCALE 1"= 2'



DETENTION VAULT 1
PLAN VIEW

0 10 20 30
SCALE 1" =10'



DETENTION VAULT 1
DETAIL A-A

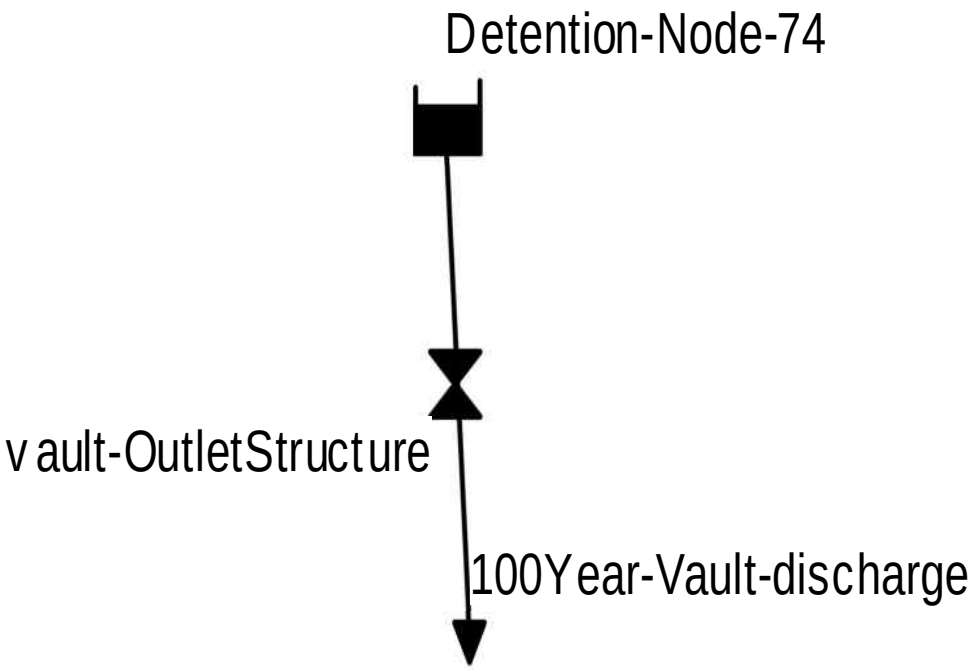
NOT TO SCALE

VAULT OUTLET STRUCTURE DETAILS
HARMON OAKS

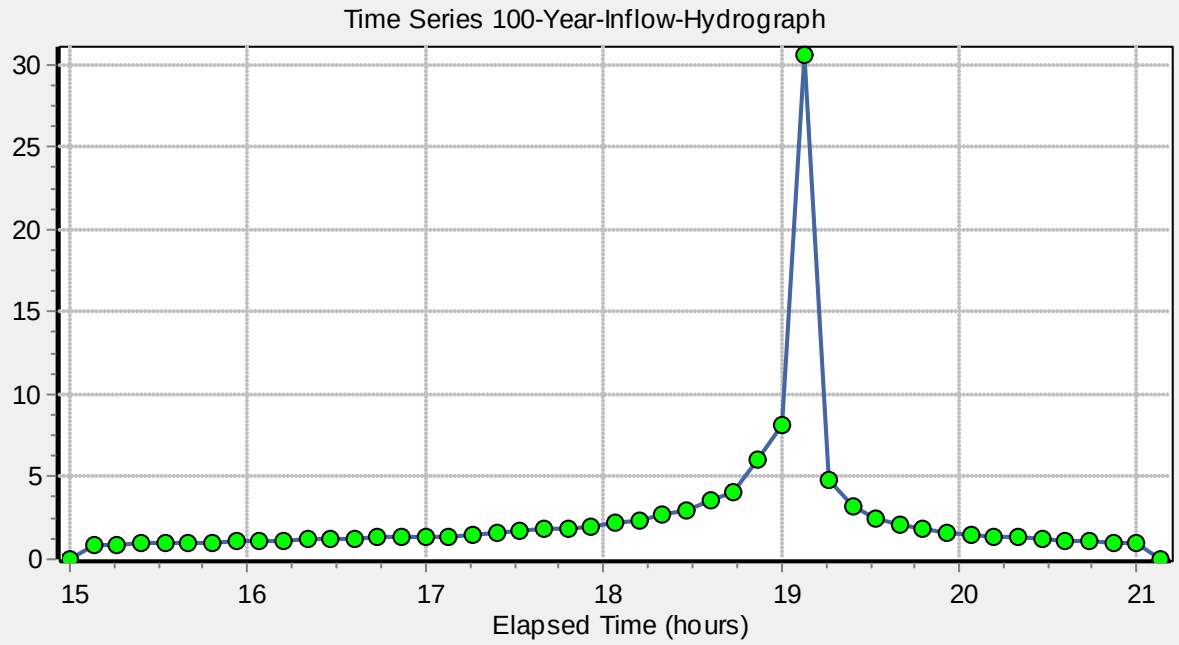
CITY OF POWAY, CALIFORNIA

Harmon Oaks,Post-develped Conditions

10/04/1962 16:00:00



Harmon Oaks, In Flow hydrograph



EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.014)

Harmon Oaks,Post-develped Conditions

****
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... GREEN_AMPT
Flow Routing Method ..... KINWAVE
Starting Date 10/04/1962 15:00:00
Ending Date 05/23/2008 15:00:00
Antecedent Dry Days 0.0
Report Time Step 01:00:00
Wet Time Step 00:15:00
Dry Time Step 04:00:00
Routing Time Step ..... 60.00 sec

Runoff Quantity Continuity	Volume acre-feet	Depth inches
Total Precipitation	636.511	558.180
Evaporation Loss	80.385	70.493
Infiltration Loss	223.125	195.666
Surface Runoff	337.826	296.252
Final Storage	0.048	0.042
Continuity Error (%)	-0.766	

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	337.817	110.083

Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	1.287	0.419
External Outflow	339.034	110.479
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.017	0.006
Continuity Error (%)	0.016	

****
Highest Flow Instability Indexes
****
All links are stable.

****
Routing Time Step Summary
****

Minimum Time Step	:	60.00 sec
Average Time Step	:	60.00 sec
Maximum Time Step	:	60.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	1.00
Percent Not Converging	:	0.00

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Imperv Runoff in	Perv Runoff in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
Area-3	558.18	0.00	21.83	454.01	0.00	85.57	85.57	2.28	0.61	0.153
Area-4	558.18	0.00	89.18	86.48	362.80	25.28	388.08	4.64	0.35	0.695
Area-5	558.18	0.00	67.66	186.68	256.27	54.56	310.83	4.01	0.37	0.557
Area-1	558.18	0.00	79.96	141.93	303.05	38.17	341.22	72.45	6.05	0.611
Area-2	558.18	0.00	86.07	132.24	310.51	32.94	343.45	26.67	2.12	0.615
Area-6	558.18	0.00	0.45	556.62	0.00	1.23	1.23	0.04	0.22	0.002

****
Node Depth Summary
****

	Average	Maximum	Maximum	Time of Max	Reported

Node	Type	Depth Feet	Depth Feet	HGL Feet	Occurrence days	Occurrence hr:min	Max Depth Feet
POC1	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
100Year-Vault-discharge	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
HMP-1	STORAGE	0.07	3.64	3.64	6348	09:10	3.54
Detention-Node-74	STORAGE	0.00	4.99	4.99	0	04:17	4.00

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days	Time of Max Occurrence hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
POC1	OUTFALL	3.68	7.36	6348	09:01	37.6	110	0.000
100Year-Vault-discharge	OUTFALL	0.00	6.01	0	04:17	0	0.419	0.000
HMP-1	STORAGE	6.05	6.05	6348	09:01	72.4	72.4	0.024
Detention-Node-74	STORAGE	30.60	30.60	0	04:09	0.419	0.419	0.079

****
Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days	Time of Max Occurrence hr:min	Maximum Outflow CFS
HMP-1	0.487	1	0	0	27.069	64	6348	09:09	3.85
Detention-Node-74	0.002	0	0	0	37.120	83	0	04:17	6.01

****
Outfall Loading Summary
****

Flow Freq	Avg Flow	Max Flow	Total Volume

Outfall Node	Pcnt	CFS	CFS	10^6 gal
POC1	17.32	0.06	7.36	110.052
100Year-Vault-discharge	0.03	0.13	6.01	0.419
System	8.68	0.19	6.01	110.471

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
HYDROMOD	DUMMY	3.85	6348 09:10			
vault-OutletStructure	DUMMY	6.01	0 04:17			

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Thu Dec 1 16:41:15 2022
Analysis ended on: Thu Dec 1 16:41:45 2022
Total elapsed time: 00:00:30

CHAPTER 5
Hydrology Maps

ROCA GRANDE DRIVE

LA VISTA WAY

OAK KNOLL ROAD

POWAY CREEK

12 — 0.16 ACRES

13

1 — 0.05 ACRES

2

4

0.14 ACRES

3

0.52 ACRES

D

A

6.77 ACRES

5

9 — 0.05 ACRES

10

2.38 ACRES

6

7

0.10 ACRES

14

1.62 ACRES

8

0.21 ACRES

11

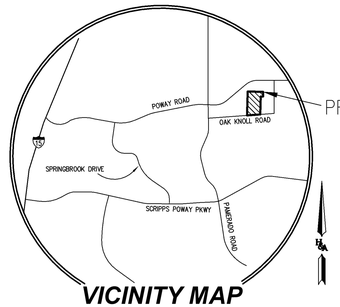
1.78 ACRES

15

16 — Q_{100} = 26.85 CFS. — 16
A= 13.79AC.
T_c = 11.54MIN.

VICINITY MAP

NOT TO SCALE



LEGEND

- PROJECT BOUNDARY
- DRAINAGE BOUNDARY
- INITIAL SUBAREA
- FLOW DIRECTION
- EXISTING STORM DRAIN
- 00.00 ACRES — AREA
- D — HYDROLOGIC SOIL TYPE
- 100 — NODE NUMBER
- HYDROLOGIC SOIL BOUNDARY

50 0 50 100 150

SCALE 1"= 50'

PREPARED BY:

HUNSAKER & ASSOCIATES SAN DIEGO, INC.

PLANNING
ENGINEERING
SURVEYING

9707 Waples Street
San Diego, Ca 92121
PH(858)558-4500 FX(858)558-1414

EXISTING
HYDROLOGY MAP

HARMON OAKS

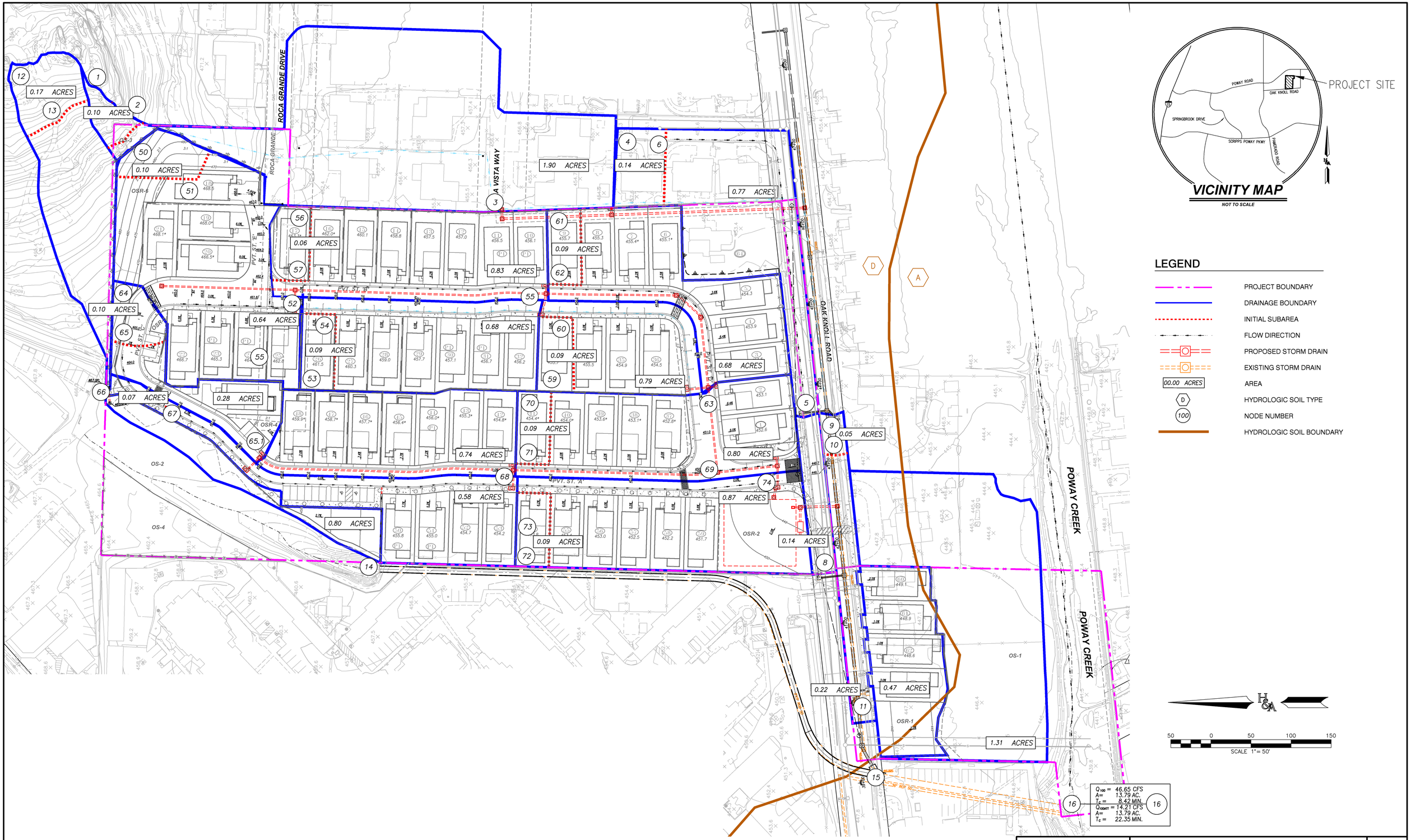
CITY OF POWAY, CALIFORNIA

MAP 1 OF 2

W.O.# 2167-0225

R:\1713\Hyd\DR\CAD\1713$Hydro_EX.dwg[]Dec-01-2022:17:01

Drainage Study for
Harmon Oaks



VICINITY MAP

NOT TO SCALE

LEGEND

- PROJECT BOUNDARY
- DRAINAGE BOUNDARY
- INITIAL SUBAREA
- FLOW DIRECTION
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- 00.00 ACRES — AREA
- D — HYDROLOGIC SOIL TYPE
- 100 — NODE NUMBER
- HYDROLOGIC SOIL BOUNDARY

SCALE 1"= 50'

PREPARED BY:

HUNSAKER & ASSOCIATES SAN DIEGO, INC

PLANNING 9707 Waples Street
ENGINEERING San Diego, Ca 92121
SURVEYING PH(858)558-4500 FX(858)558-1414

PROPOSED
HYDROLOGY MAP

HARMON OAKS

CITY OF POWAY, CALIFORNIA

MAP 2 OF 2

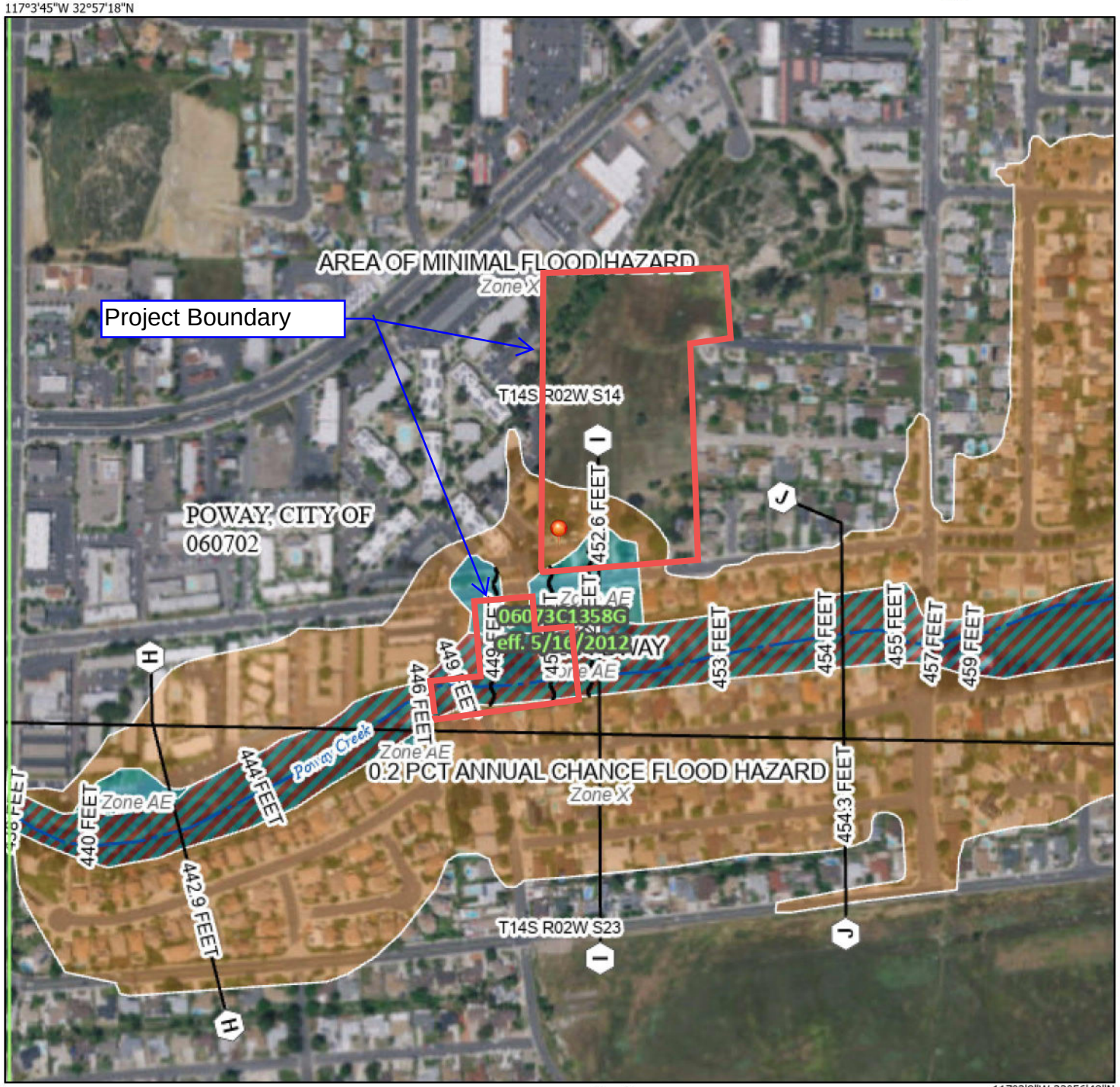
W.O.# 2167-0225

R:\1713\Hyd\DR\CAD\1713$Hydro_PR.dwg[]Sep-04-2023:16:44

CHAPTER 6
Reference Information (Reports, Plans, etc.)

National Flood Hazard Layer FIRMette

FEMA



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/9/2022 at 7:53 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). this information was photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

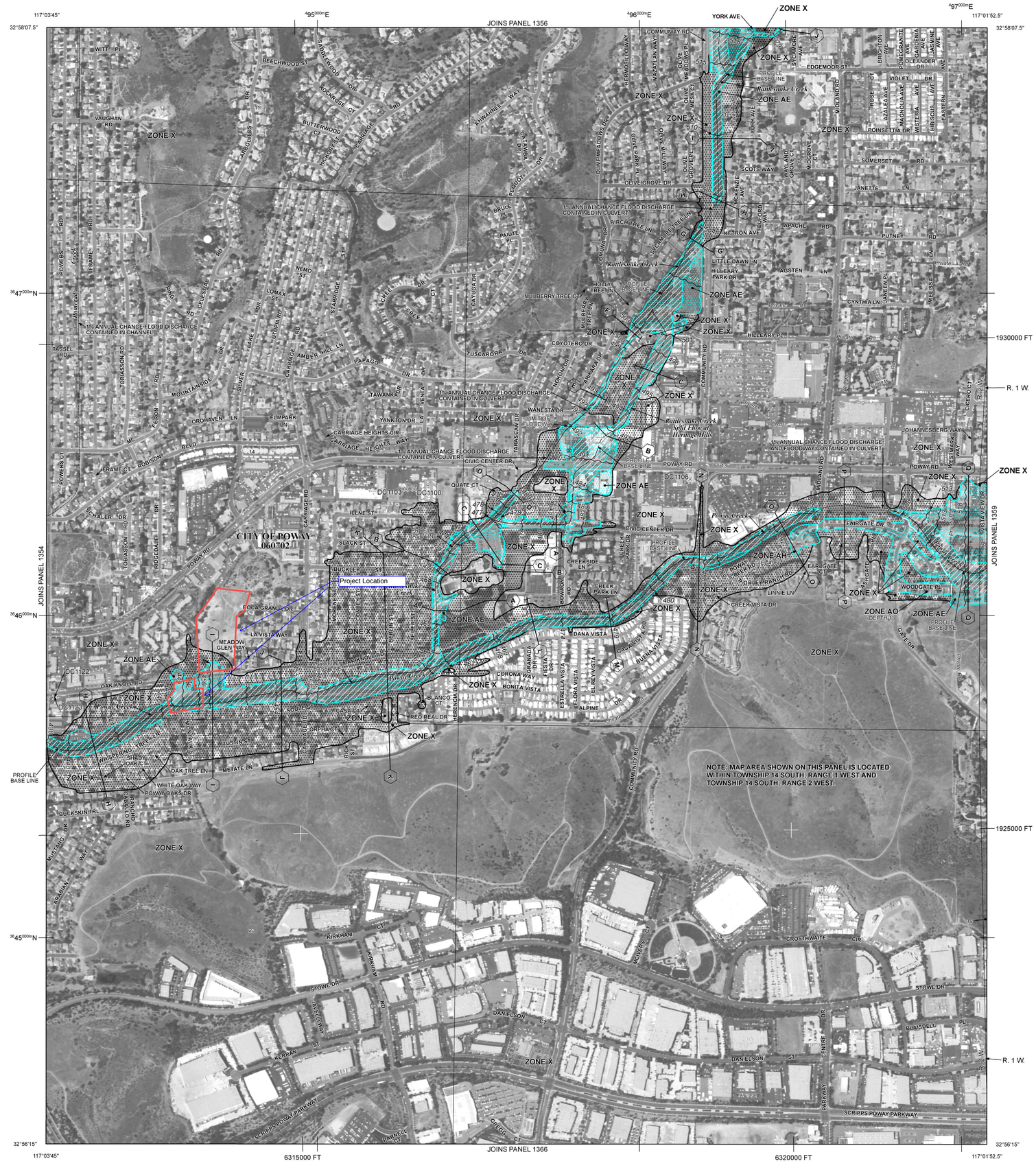
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The **"profile base lines"** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V_1 and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- 513 (EL 987) Base Flood Elevation line and value; elevation in feet* / Base Flood Elevation value where uniform within zone; elevation in feet*

* Referred to the North American Vertical Datum of 1988

- A–A Cross section line
- 23–23 Transect line
- 97°07'30", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4275000mE 1000-meter Universal Transverse Mercator grid ticks, zone 11
- 6000000 FT 5000-foot grid values: California State Plane coordinate system, Zone VI (FIPSZONE = 406), Lambert projection
- DX5510 Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
May 16, 2012 – to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision, and to update map elevations to North American Vertical Datum of 1988.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1358G

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1358 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
POWAY, CITY OF	060702	1358	G

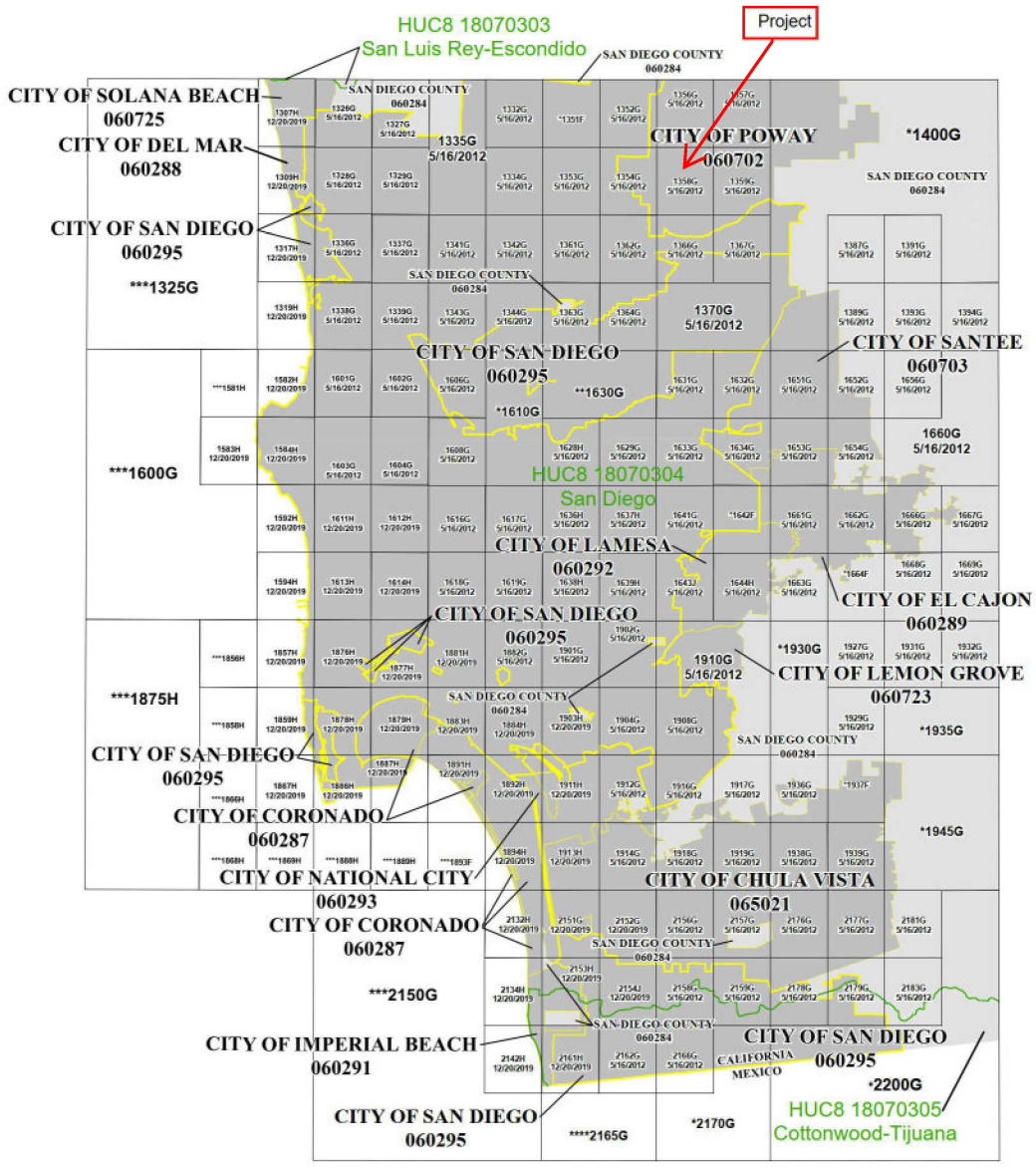
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 06073C1358G

MAP REVISED MAY 16, 2012

Federal Emergency Management Agency

Figure 1: FIRM Panel Index



ATTENTION: The corporate limits shown on this FIRM Index are based on the best information available at the time of publication. As such, they may be more current than those shown on FIRM panels issued before March 22, 2022.

1 inch = 20,833 feet 1:250,000

0 6,000 12,000 24,000 36,000 48,000 feet

Map Projection:
Universal Transverse Mercator Zone 11 North;
North American Datum 1983

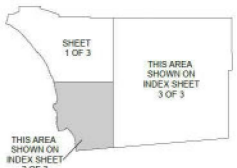
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTPS://MSC.FEMA.GOV

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS
** PANEL NOT PRINTED - AREA IN ZONE D
*** PANEL NOT PRINTED - OPEN WATER AREA
**** PANEL NOT PRINTED - AREA OUTSIDE COUNTY BOUNDARY

SAN DIEGO COUNTY, CA
INDEX LOCATOR DIAGRAM



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN DIEGO COUNTY, CALIFORNIA and Incorporated Areas
SHEET 2 OF 3

PANELS PRINTED:

1307, 1309, 1317, 1319, 1326, 1327, 1328, 1329, 1332, 1334, 1335, 1336, 1337, 1338, 1339, 1341, 1342, 1343, 1344, 1352, 1353, 1354, 1356, 1357, 1358, 1359, 1361, 1362, 1363, 1364, 1366, 1367, 1370, 1387, 1389, 1391, 1393, 1394, 1582, 1583, 1584, 1592, 1594, 1601, 1602, 1603, 1604, 1606, 1608, 1611, 1612, 1613, 1614, 1616, 1617, 1618, 1619, 1628, 1629, 1631, 1632, 1633, 1634, 1636, 1637, 1638, 1639, 1641, 1643, 1644, 1651, 1652, 1653, 1654, 1656, 1660, 1661, 1662, 1663, 1666, 1667, 1668, 1669, 1857, 1859, 1867, 1876, 1877, 1878, 1879, 1881, 1882, 1883, 1884, 1886, 1887, 1891, 1892, 1894, 1901, 1902, 1903, 1904, 1908, 1910, 1911, 1912, 1913, 1914, 1916, 1917, 1918, 1919, 1927, 1929, 1931, 1932, 1936, 1938, 1939, 2132, 2134, 2142, 2151, 2152, 2153, 2154, 2156, 2157, 2158, 2159, 2161,2162, 2166, 2176, 2177, 2178, 2179, 2181, 2183

FEMA

MAP NUMBER
06073CIND2F

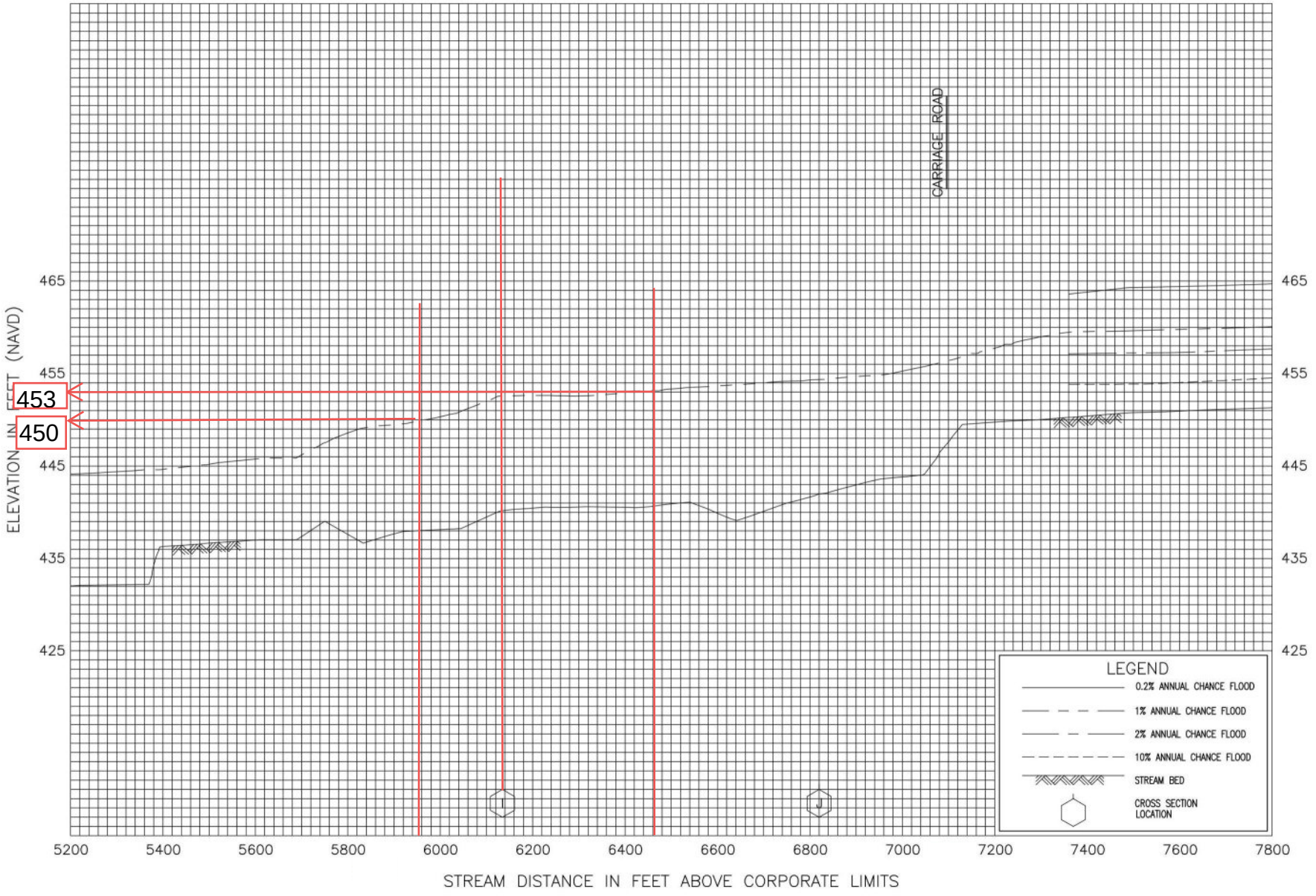
MAP REVISED
MARCH 22, 2022

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
National City, City of	060293	18070304	06073C1892H 06073C1894H 06073C1903H 06073C1904G 06073C1911H 06073C1912G 06073C1913H 06073C1914G 06073C1916G 06073C2151G	
Oceanside, City of	060294	18070303	06073C0464G 06073C0468H 06073C0469G 06073C0475G[1] 06073C0488G 06073C0490G 06073C0734J 06073C0742H 06073C0751H 06073C0752H 06073C0753J 06073C0754H 06073C0756H 06073C0757G 06073C0758G 06073C0759G 06073C0761H 06073C0762G 06073C0766G 06073C0767G 06073C0769G 06073C0776G 06073C0786J	
Poway, City of	060702	18070304	06073C1084G 06073C1091G 06073C1092G 06073C1093G 06073C1094G 06073C1115G[1] 06073C1352G 06073C1354G 06073C1356G 06073C1357G 06073C1358G 06073C1359G 06073C1362G 06073C1366G 06073C1367G 06073C1400G[1]	

Table 9: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Pauma Creek	At Apex of Alluvial Fan	14.7	1,550	*	6,270	10,480	30,460
Pilgrim Creek	At Mouth	19.0	*	*	*	1,925	*
Pilgrim Creek	Just Upstream of the Confluence with Windmill Creek	15.8	*	*	*	1,888	*
Pilgrim Creek	Downstream End of Oceanside Golf Course	14.0	*	*	*	1,244	*
Pilgrim Creek	Upstream End of Oceanside Golf Course	14.0	*	*	*	5,775	*
Poggi Canyon Creek	At Confluence with Otay River	4.63	220	*	930	1,400	2,630
Poggi Canyon Creek	At City of Chula Vista Corporate Limit	3.74	180	*	830	1,280	2,470
Pomerado Creek	At confluence with Poway Creek	4.3	*	*	*	2,100	*
Pomerado Creek	At Tassel Road	3.9	*	*	*	1,990	*
Pomerado Creek	At Vaughn Road	3.3	*	*	*	1,750	*
Pomerado Creek	At Holland Road	2.9	*	*	*	1,570	*
Poway Creek	USGS Gage at Cobblestone Creek Road	31.2	2,500	*	8,700	14,000	34,000
Poway Creek	US GS Gage 1,000 feet Upstream of Standish Drive	7.9	1,100	*	3,700	5,600	14,000



FLOOD PROFILES

POWAY CREEK

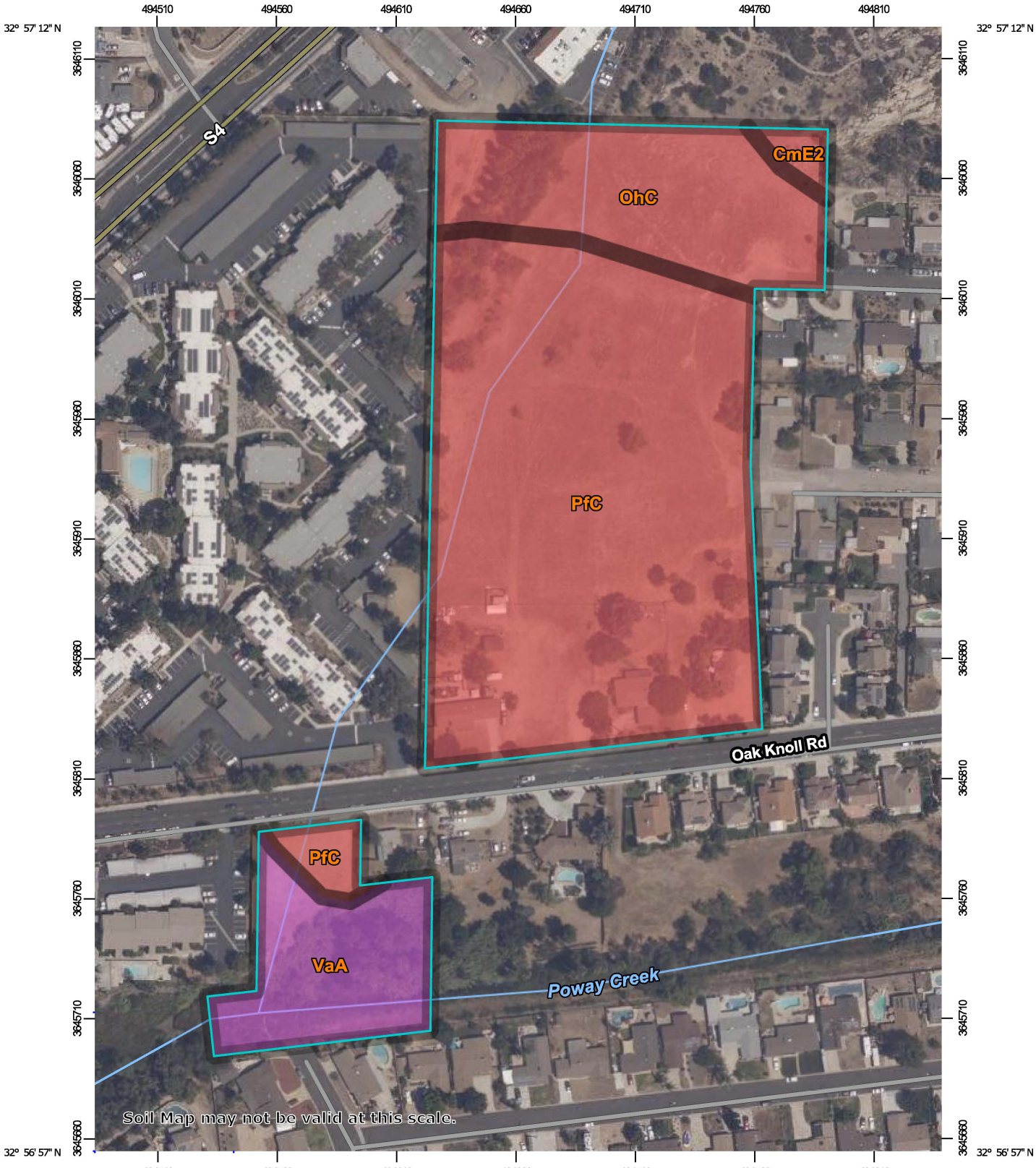
FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA

(AND INCORPORATED AREAS)

300P

Hydrologic Soil Group—San Diego County Area, California
(1713$Project Site)



Map Scale: 1:2,290 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 30 60 120 180

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	D	0.1	1.3%
OhC	Olivenhain cobbly loam, 2 to 9 percent slopes	D	2.1	19.8%
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	D	7.2	66.6%
VaA	Visalia sandy loam, 0 to 2 percent slopes	A	1.3	12.3%
Totals for Area of Interest			**10.8**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

SEWER SYSTEM NOTES

1) All works shall be in accordance with the Standard Specifications for Public Works Construction, 1982 Edition with Supplements (A.P.W.A. Specifications), the San Diego County Regional Standard Drawings, & the City of Poway Standard Drawings.
2) Each lot shall be served by a minimum of 4-inch sewer lateral set at a minimum grade of 2% with a minimum drop of 0.3 feet and an invert depth of 5 feet below top of curb at property line per Regional Standard S-13. Laterals shall be shown on as-built plans with stations from manholes.
3) Sewer laterals shall be at right angles to the sewer main, except in a cul-de-sac. An inscribed "S" shall be marked on the curb directly above location of sewer lateral.
4) The Contractor must secure approval from the City Inspector prior to backfill over any sewer wyes.
5) No revisions shall be made to these plans without the approval of the City Engineer.
6) Construct a cleanout on laterals at property line. Bring to within 4" of finish grade and cover with Brooks No-1-SP Series or equal concrete meter box with cast iron lid marked "Sewer" set flush with finish grade.
7) No disruption of existing sewer services while making connection to existing mains will be allowed without the specific approval of the City of Poway Sewer Department.
8) The Contractor shall notify the City of Poway Sewer Department 48 hours prior to starting excavation so that existing sewer facilities may be marked in the field. Sewer Department telephone number is (619) 748-6600.
9) Location and elevation of existing sewer facilities shall be confirmed by field measurements and excavation exploration by the Contractor, prior to beginning of new work. This will allow time to permit revision of plans, as necessary, because of conflicts with other facilities.
10) The existence and location of sewer facilities shown on these plans were obtained by a search of available City records. To the best of our knowledge, the existing sewer facilities are as shown on the plans. The City of Poway shall not be held responsible for any error in the location and elevation of the existing sewer facilities.
11) Any lot with a finish pad elevation lower than the top of finish street grade where the sewer main is located and services this lot, must install a sewer backflow valve on private property.
12) The City's inspector shall be notified at least two working days prior to commencing work on the sewers. City Inspector telephone number is (619) 748-6600.
13) All sewer house connections shall be placed prior to surfacing of streets.
14) No house connections are to be made without approval from the City of Poway.
15) No sewer shall be constructed in any driveway without prior approval from the City of Poway.

WATER SYSTEM NOTES

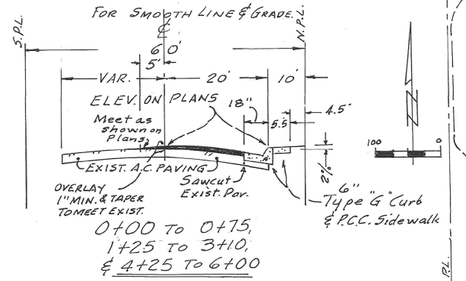
1) Water works shall be constructed in accordance with the "Standard Specifications for Public Works Construction," 1982 Edition with supplements (A.P.W.A. specifications), the San Diego County Regional Standard Drawings, and the City of Poway Standard Specifications and Drawings, 1980.
2) A minimum 3/4-inch copper water service shall be installed at each lot when pressure is 50 psi or greater.
3) Each living unit with a pressure of 80 psi or greater shall be provided with a pressure regulator and low flow water saving devices.
4) Inscribe a "W" on curb directly above all water services. Services shall be shown on As-Built Plans.
5) Water mains shall be Class 150, 525# test A.C. pipe, and shall be constructed with top of pipe 36" below finish centerline grade except where otherwise indicated with specific elevations and approved by the Water Department Superintendent.
6) No disruption of existing water services while making connection to existing mains shall be allowed without the specific approval from the City of Poway Water Department.
7) No connections for the purpose of obtaining water supply during construction shall be made to any fire hydrant or blow-off structure without first obtaining a construction water permit from the City of Poway Water Department.
8) The Contractor shall notify the City of Poway Water Department two working days prior to starting excavation so that existing water facilities shall be marked in the field prior to start of construction. Water Department Telephone Number is (619) 748-6600.
9) Location and elevation of existing water facilities shall be confirmed by field measurements and excavation exploration by the Contractor, prior to beginning new work. This will allow time to permit revision of plan as necessary because of conflicts with other facilities.
10) The existence and location of water facilities shown on the plans were obtained by a search of available City records. To the best of our knowledge, the existing water facilities are as shown on the plans. The City of Poway shall not be held responsible for any error in the location and elevation of the existing water facilities.
11) No revisions shall be made to these plans without the approval of the City Engineer.
12) Bolts on all flange fittings shall be stainless steel.
13) The City Inspector shall be notified at least two working days prior to any inspection. To arrange for inspection, call (619) 748-6600.

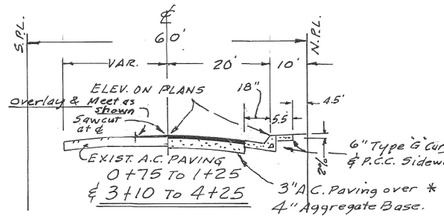
GENERAL NOTES

1) All work to conform with the "Standard Specifications for Public Works Construction," 1982 Edition with supplements (A.P.W.A. Specifications), the San Diego County Regional Standard Drawings, and the City of Poway Standard Drawings.
2) The Contractor shall notify the San Diego Gas & Electric Company prior to starting work near company facilities and shall coordinate his work with company representatives. All gas and electric services within this subdivision are underground installations. For location of electric cable and gas piping and appurtenances, contact San Diego Gas & Electric Company at (619) 235-6323.
3) The Contractor shall notify the Pacific Telephone and Telegraph Company prior to starting work near company facilities and shall coordinate his work with company representatives. All telephone services within this subdivision are underground installations. For location of cables and apppurtenances, contact the Pacific Telephone Company at 1-800-422-4133.
4) The Contractor shall notify the City of Poway Engineering Department 48 hours prior to starting work so that inspection services may be provided.
5) A permit shall be obtained from the City Engineering Department for work within existing City right-of-way.
6) Pavement sections shown are to be verified by 'R' value tests and pavement design report, to be submitted by Soils Engineer after rough grading, for City Engineer's approval.
7) Wheelchair ramps shall be installed at all curb returns per Caltrans standard M8-B
8) All ferrous metals placed in the ground shall be encased in 6" of neutral sand.
9) Construction expansion joints in curb and gutter at returns and at driveway intersections are required per G-9 & G-10.
10) All underground utilities laterals shall be installed before construction of curbs, cross gutters, or surfacing of the streets.
11) All rock slope protection shall conform to Section 72 of the CALTRANS Standard Specifications, dated January 1981, and Standard Drawing D-40 of the S.D.A.R.S.D.
12) It shall be the responsibility of the Contractor to obtain an excavation permit from the Division of Industrial Safety and to adhere to all provisions of the State Construction Safety Orders.
13) Where trenches are within public easements, soils reports shall be submitted to the Engineer of Work and the City Engineer by a qualified soils engineer which certify that trench backfill was compacted as directed by the soils engineer in accordance with earthwork specifications and City of Poway specifications.
14) All concrete testing required by the City will be at the expense of the Contractor.
15) Class-2 Aggregate Base (CL-2 A.B.) shall conform to Section 26-1.02B of the CALTRANS Standard Specifications, dated January 1981.
16) Asphalt Concrete (A.C.) prime coat and seal coat shall conform to Section 302-5 and Section 400-4 of the A.P.W.A. specifications.
17) Centerline monuments shall be installed at the EC and BC of all curves, at the centerline intersection of all streets, at the radius point of concentric cul-de-sacs and at the angle point of offset cul-de-sacs, per S.D.R.S.D. M-10 & M-11.
18) All operations conducted on the premises, including the warming up, repair, arrival, departure or running of trucks, earth-moving equipment, construction equipment & any other associated equipment shall be limited to the period between 7:00 a.m. and 6:00 p.m. each day, Monday through Saturday, and no earth moving or grading operations shall be conducted on the premises on Sundays or legal holidays.
19) All existing improvements including curb and gutters, sidewalks, asphalt, concrete or P.C.C. paving, which are being joined or matched in connection with this project, shall be joined or matched in a manner satisfactory to the City Engineer, including necessary sawcutting, removal, replacement and capping.
20) For Additional Construction required for this project, see R.S.1713, Sheet 5 of 46, Revised 8/10/84.

"AS BUILT" — CHARLES R. CRULL, MUNICIPAL ENGINEERS INC. — RCE 8734 — 9/18/86 — NAME — DATE 4-21-87

NOTE: RESURFACE SOUTH HALF FROM 4+00 TO 6+00 AS REQUIRED FOR SMOOTH LINE & GRADE





TYPICAL SECTIONS, OAK KNOLL ROAD (* NOTE: SEE GENERAL NOTE #6)

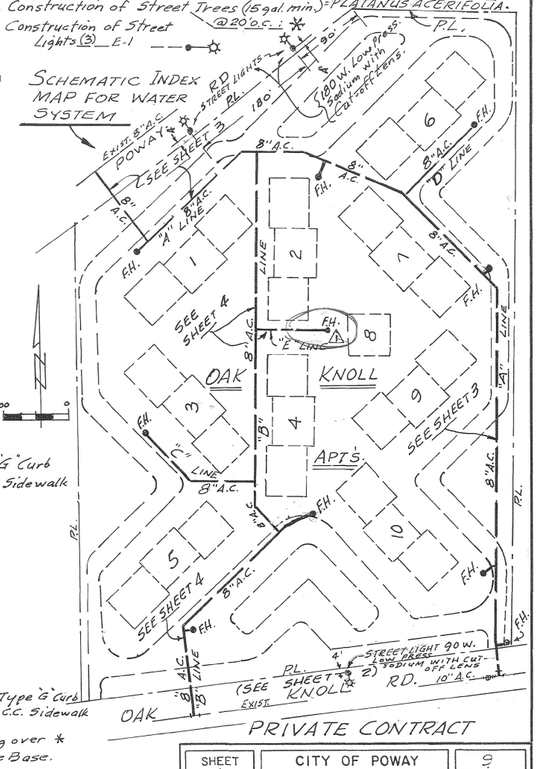
NO SCALE

WORK TO BE DONE

The improvement consists of the following work to be done according to these plans, the San Diego Regional Standards and the Standard Specifications of the City of Poway:

ITEM	STD. DWG.	LEGEND
Construction of Reinforced Concrete Box Culvert	D-76	
Grading of the portions of the Street as shown on the plans.		
Construction of Type G Curb	G-2	
Construction of P.C.C. Sidewalk	G-7.1	
Construction of Type B Curb Inlet	D-2.1	D
Construction of R.C.P. Storm Drain	D-76	R.C.P.
Construction of P.C.C. Driveway	G-14.1	
Construction of Paving and Base		
Construction of A.C. Overlay		
Construction of RIP RAP ENERGY DISSIPATOR	D-40-1	
Construction of Chain link fence	M-6	-x-x-
Construction of Wing Type Headwalls	D-39 & D-79 (MODIFIED)	
Construction of 6" A.C. Berm (Type A)	G-5	
Construction of A.C. Water Main & Appurtenances:		8" A.C.
Construction of Fire Hydrants (3-WAY Commercial)	City Std. #6	City Std. #6 F.H. W.M.H.
Construction of Conc. Manhole	D-1	
Construction of Drainage Outlet	D-25	
Construction of Water Services	City Std. #11	W
Construction of Gate Valves	City Std. #4	
Construction of Sewer Laterals	PSA P-20	S
Construction of Access Manhole	D-10 & D-11	
Construction of Grate Inlets per G-187-84		
Construction of Street Trees (15 gal. min.) = PLATANUS ACERIFOLIA @ 20 O.C.		
Construction of Street Lights (2)	E-1	

SCHEMATIC INDEX MAP FOR WATER SYSTEM



PRIVATE CONTRACT

SOLAR ACCESS NOTE

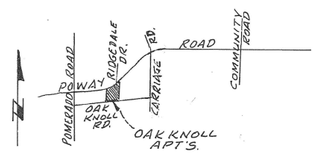
THE GRADING PLAN HAS PRESERVED A MINIMUM OF 100 SQUARE FEET OF SOLAR ACCESS FOR EACH DWELLING UNIT AND FOR EACH FUTURE BUILDING SITE WITHIN THE SUBDIVISION

APPROVED CHANGES

No.	Description	Approved By	Date
1	"WORK TO BE DONE" As Built	AES	4/21/87
		AES	4/21/87

APPROVED: POWAY FIRE DEPARTMENT
BY: Steven W. Poway
DATE: 6/18/84

REGISTERED PROFESSIONAL ENGINEER — CHARLES R. CRULL — No. 8234 — CIVIL — STATE OF CALIFORNIA



VICINITY MAP

NO SCALE

RELATED APPROVALS	
GRADING PERMIT	G-187
USE PERMIT	N/A
DEV. REVIEW	DR-83-13
T.M.	T.P.M. 83-02

BENCH MARK IS Brass Disc in Conc. Mon. at S.E. Cor. Pomerado Rd. & Metate Lane, 24' So. of ℄ Metate Lane & 59' East of ℄ Pomerado Road; Record from P.O.M. #0010, San Diego County; El. 442.183, U.S.C.&G.S. Datum.

Charles R. Crull
MUNICIPAL ENGINEERS INC.
6154 SH ST. SUITE 202 (619) 239-8171
SAN DIEGO, CA. 92101 JOB NO. 7997

SHEET 1	CITY OF POWAY DEPARTMENT OF PUBLIC SERVICES	9 SHEETS

PLANS FOR THE IMPROVEMENT OF OAK KNOLL ROAD AND OAK KNOLL APARTMENTS
P.M. 13265

CITY ENGINEER: Alan D. Archibald — 7-17-84
ALAN D. ARCHIBALD R.C.E. 21869 — DATE

ENGINEER OF WORK: Charles R. Crull R.C.E. 8734 — 801-04-150

460
450
440

458.0 — PROPOSED GRADE — 30' DRAIN & WATER EASEMENT — ℄ ACCESS M.H. — PROPOSED GRADE — 10' TRANSITION

TOP OF BOX — 18" R.C.P. F.L.: 448.50 — 12" P.V.C. F.L.: 447.8 — 8" P.V.C. F.L.: 447.2 — GROUND LINE — TOP OF BOX — EXIST. A.C. PAVING - SEE SHEET 2 EL.: 447.0

INVERT GRADE — 7'x6' BOX CULVERT 0.9% — 12" P.V.C. 448.00 — 12" P.V.C. F.L. 444.30 — INVERT GRADE 7'x6' BOX CULVERT 0.9% — 8'x6' BOX CULVERT 0.9% — EXTENDED BY OTHERS GROUND LINE

BOTTOM OF BOX — BOTTOM OF B'A.C. WATER EL. 440.0 — P.C.C. ENCASED 8" P.V.C. SEWER — BOTTOM OF BOX — EXIST. 21" SEWER (ENCASE IN CONC.) STD. DWG. S-7 — 2.0%

446.95 — 11+80.68 — 443.23 E.C. — 3+68.23 — 442.28 — 2+61.96 B.C. — 441.12 — 1+33.66 E.C. — 440.31 — 0+42.81 B.C. — 438.45 — 0+00

412.45' — L= 106.27' — 128.30' — L= 90.85' — 42.81'

7+50 — 6+75 — 6+00 — 5+25 — 4+50 — 3+75 — 3+00 — 2+25 — 1+50 — 0+75 — 0+00

BOX CULVERT PROFILE

SCALES: HOR. 1"=30' VERT. 1"=4'

TYPE "B" CORR. STL. PIPE INLET PER DWG. D-16 — TOP=456.5 INV.=451.8 — 17-18" R.C.P. — 456 — 457 — (NO.6) 11+80.68 — 11+55 — 6+97 FL: 447.8 — 5+76 FL: 447.2 — 8' — A — P.L. — 412.45' — BOX CULVERT — 30' DRAIN & WATER EASEMENT — 7'x6' — 30' — 12" P.V.C. PVT. DR. — NOTE: MAINTAIN MINIMUM 2' OF COVER OVER BOX IN DRIVEWAY AREAS. — PRIVATE INLETS (TYPICAL) PER GRADING PLAN — WING TYPE HEADWALL (15EE SHT. NO.6) PER DWG. D-13 (MODIFIED) — 74+69.82 FL: 448.30 — TOP=455.5 FL: 451.0 — TOP=456.64 FL: 452.00 — BLDG. 9 — BLDG. 10

P.A.R. 1, P.M. 13265

ACCESS M.H. PER STD. DWG'S D-10 & D-11 (STD. 24" DIA. RINGS WITH COVER PER DWG. M-2) — 127.68' — 22' — CULVERT: Δ=70°47'38" R=86.0' L=106.27' T=61.12' — TOP=461.9 FL=447.0 — 12" P.V.C. PVT. DRAIN — ℄ INLET PER GR. PLAN — 2+80 FL=448.3 — SEE SHT. G — 3+68.23 E.C. — 2+61.96 B.C. — 128.30' — 7'x6' BOX CULVERT — EXIST. DRAIN ESMT. — 20' — EXIST. 21" SEWER — SEE SHEET 2 — OAK KNOLL — ROAD — 60' — 30' — 10' — 20' — P.L. — EXIST. 10" D.I.C. WATER MAIN — REMOVE EXIST. CONC. ℄ HEADWALL — 0+42.81 B.C. — 0+00 — 1+33.66 — 1+33.66 E.C. — SEE SHT. G — 10' TRANSITION — 8'x5' BOX CULVERT — 12" TYPE "B-1" INLET — 3+13 (18+32.21) 24" R.C.P. — FL: 440.5 — 36" R.C.P. — FL: 440.5 — EXTENDED BY OTHERS — TYPE "A" — SEE SHEET 2 OF 801-04-150

CULVERT: Δ=60°31'28" R=86.0' L=90.85' T=50.19'

LETTER OF PERMISSION REQUIRED PRIOR TO CONSTRUCTION FOR WORK OUTSIDE PUBLIC RIGHT-OF-WAY.

SCALE: 1"=30'

NOTE: R.C.B. CULVERT SHALL BE CONSTRUCTED TO S.D.A. REG. STD. DWG. D-16 8'x5'-A x 123.66' V-INVERT FROM STA. 0+00 TO 1+23.66 & 7'x6'-A x 647.02' FROM STA. 1+33.66 TO 7+80.68 TRANSITION SHALL BE CONSTRUCTED AS SHOWN @ LEFT. BEDDING SHALL BE AS NOTED ON SHT. G

8½" — 1+33.66 G.G.-E.C. END TRANSITION — #4@18" BOTH WAYS — #4@12" O.C. — #6@6" O.C. — BEGIN TRANSITION 1+23.66 — 8½" — 7'x6' BOX CULVERT — #5@9" O.C. — #4@18" O.C. — INV. EL. 441.13 — INV. EL. 441.04 — 8'x5' BOX CULVERT — #6@6" O.C. — #4@12" O.C. — #4@18" O.C. — 8½"

ELEVATION TRANSITION STRUCTURE

SCALE: 3/4"=1'-0"

APPROVED CHANGES			
No.	Description	Approved by	Date
1	CHG. R.C.P. TO BOX CULV., CHG. GRADE, CHG. ALIGN. 36" R.C.P., ADD WING WALL DETAIL & TRANSITION STRUCTURE. As Built	APS / APS	4/11/84 / 4/4/85

BENCH MARK

DESCRIPTION: BRASS DISC IN CONC. MON. @ S.E. CORNER OF POMERADO RD. & METATE LANE

LOCATION: 24' SO. OF ℄ METATE LANE & 50' EAST OF ℄ POMERADO RD.

RECORD FROM: P.O.M. #0010, SAN DIEGO COUNTY

ELEVATION: 442.183 DATUM: U.S.C. & G.S.

SHEET 5	CITY OF POWAY DEPARTMENT OF PUBLIC SERVICES	9 SHEETS

PLANS FOR THE IMPROVEMENT OF

OUTFALL STORM DRAIN

OAK KNOLL APARTMENTS

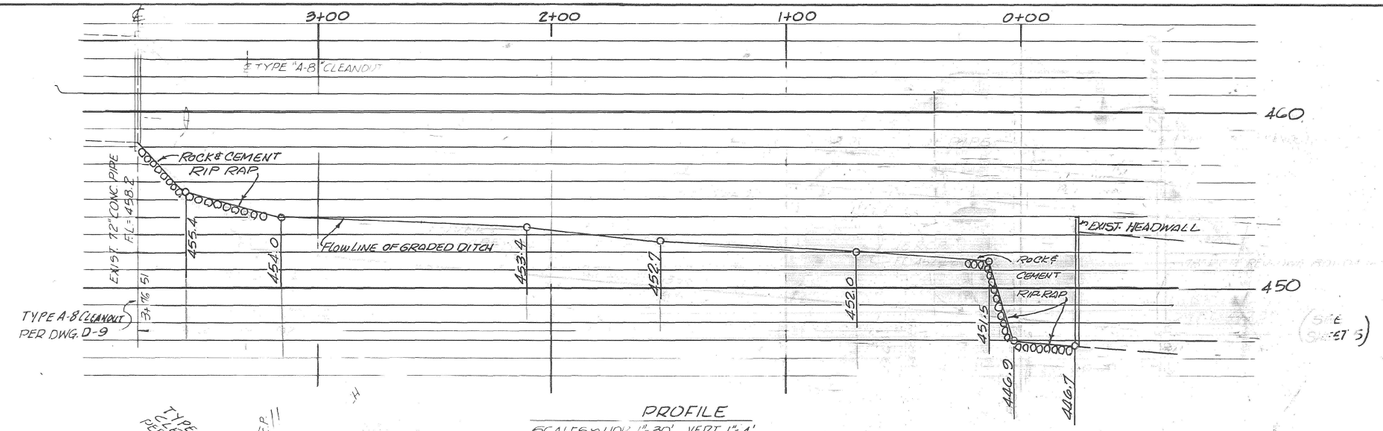
P.M. 13265.

CITY ENGINEER: Dan D. Archibald — DAN D. ARCHIBALD R.C.E. 21869 — 7-17-84 DATE

ENGINEER OF WORK: Charles R. Lund — 801-04-150

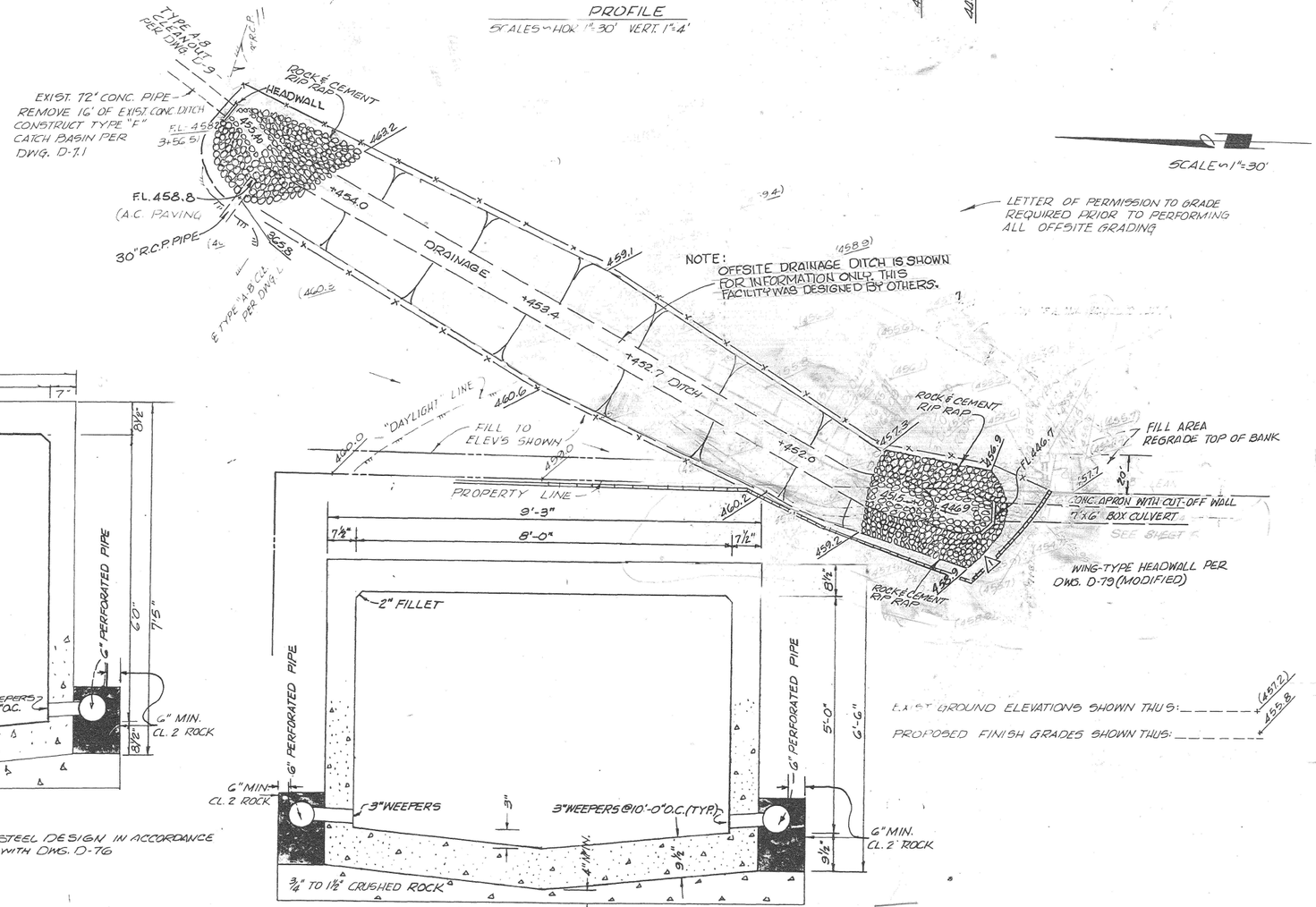
Charles R. Lund R.C.E. 8234
MUNICIPAL ENGINEERS INC.
615 A 9H ST. SUITE 202 (619) 239-8171
SAN DIEGO, CA. 92101 JOB NO. 7997

OK

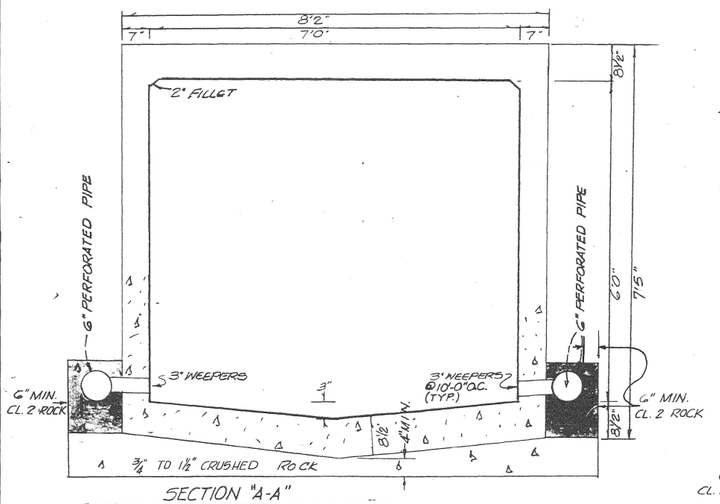


PROFILE

SCALES: HOR. 1"=30' VERT. 1"=4'



SCALE: 1"=30'



SECTION "A-A"
REINFORCED CONCRETE BOX CULVERT
SCALE: ¾"=1'-0"

STEEL DESIGN IN ACCORDANCE WITH DWG. D-76

SECTION "B-B"
REINFORCED CONCRETE BOX CULVERT
SCALE: ¾"=1'-0"

STEEL DESIGN IN ACCORDANCE WITH DWG. D-76

EXIST. GROUND ELEVATIONS SHOWN THUS: (457.2)

PROPOSED FINISH GRADES SHOWN THUS: 455.8

NOTE:
THE SOILS ENGINEER SHALL INSPECT THE TRENCH EXCAVATION TO DETERMINE ADEQUACY OF TRENCH BOTTOM. IF UNSUITABLE MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO AT LEAST A DEPTH OF ONE FOOT & REPLACED WITH ¾" TO 1½" CRUSHED ROCK & WRAPPED WITH MIRAFI 140S FILTER FABRIC OR EQUAL.

APPROVED CHANGES

No.	Description	Approved By	Date
1	MODIFY DRAINAGE As Built	AFS AFS	4/14/89 4/14/89

MUNICIPAL ENGINEERS INC.
615 ASH ST. SUITE 202 (619) 239-8171
SAN DIEGO, CA. 92101 JOB NO. 7997

SHEET 6	CITY OF POWAY DEPARTMENT OF PUBLIC SERVICES	9 SHEETS

OFFSITE STORM DRAIN
OAK KNOLL APARTMENTS

CITY ENGINEER
ALAN D. ARCHIBALD R.C.E. 21869 — DATE 6-20-84

ENGINEER OF WORK
Charles R. Crull — 801-04-150

Appendix J

Priority Development Project – Stormwater Quality Management Plan

City of Poway

Priority Development Project – Stormwater Quality Management Plan

Harmon Oaks
SP 22-0001, TTM 22-0001 & DR 22-0003
Oak Knoll Road, in between
Pomerado Road and Carriage Road
City of Poway, CA 92064
APN: 317-501-01-00, 317-500-02, 03,09,10,11,12,13,14

ENGINEER OF WORK:

Alisa S. Vialpando, R.C.E. #47945

PREPARED FOR:
Lennar Homes of California, Inc.
16465 Via Esprillo, Ste. 150
San Diego, CA 92127
(858) 618-4942

PDP SWQMP PREPARED BY:
Hunsaker & Associates San Diego, Inc.
9707 Waples Street
San Diego, CA 92121
(858) 558-4500

DATE OF SWQMP:
6/29/2022
REVISED:
09/05/2023

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Attachments

Attachment 1: Backup for PDP Pollutant Control BMPs
- Attachment 1a: Storm Water Pollutant Control Worksheet Calculations
- Attachment 1b: DMA Exhibit

Attachment 2: Backup for PDP Hydromodification Control Measures
- Attachment 2a: Flow Control Facility Design
- Attachment 2b: Hydromodification Management Exhibit
- Attachment 2c: Management of Critical Coarse Sediment Yield Areas
- Attachment 2d: Geomorphic Assessment of Receiving Channels (optional)
- Attachment 2e: Vector Control Plan (if applicable)

Attachment 3: Structural BMP Maintenance Plan
- Attachment 3a: Structural BMP Maintenance Thresholds and Actions
- Attachment 3b: Draft Maintenance Agreements / Notifications (when applicable)

Attachment 4: Copy of Plan Sheets Showing Permanent Storm Water BMPs

Attachment 5: Copy of Project's Drainage Report

Attachment 6: Copy of Project's Geotechnical and Groundwater Investigation Report

Acronyms

APN	Assessor's Parcel Number
BMP	Best Management Practice
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan
WMAA	Watershed Management Area Analysis
WQIP	Water Quality Improvement Plan

PDP SWQMP Preparer's Certification Page

Project Name: Harmon Oaks
Project/Permit Number: SP 22-0001, TTM 22-0001 & DR 22-0003

PREPARER'S CERTIFICATION

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the City of Poway BMP Design Manual, which is a design manual for compliance with the City of Poway Municipal Code Sections 16.100 through 16.105 and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2013-0001 as amended by R9-2015-0001 and R9-2015-0100) requirements for storm water management.

I have read and understand that the City of Poway has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by City staff is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

Alisa S. Vialpando , RCE #47945, 12/31/2023
Engineer of Work's Signature, PE Number & Expiration Date

Alisa S. Vialpando
Print Name

Hunsaker & Associates SD
Company

09/05/2023
Date

Engineer's Seal:

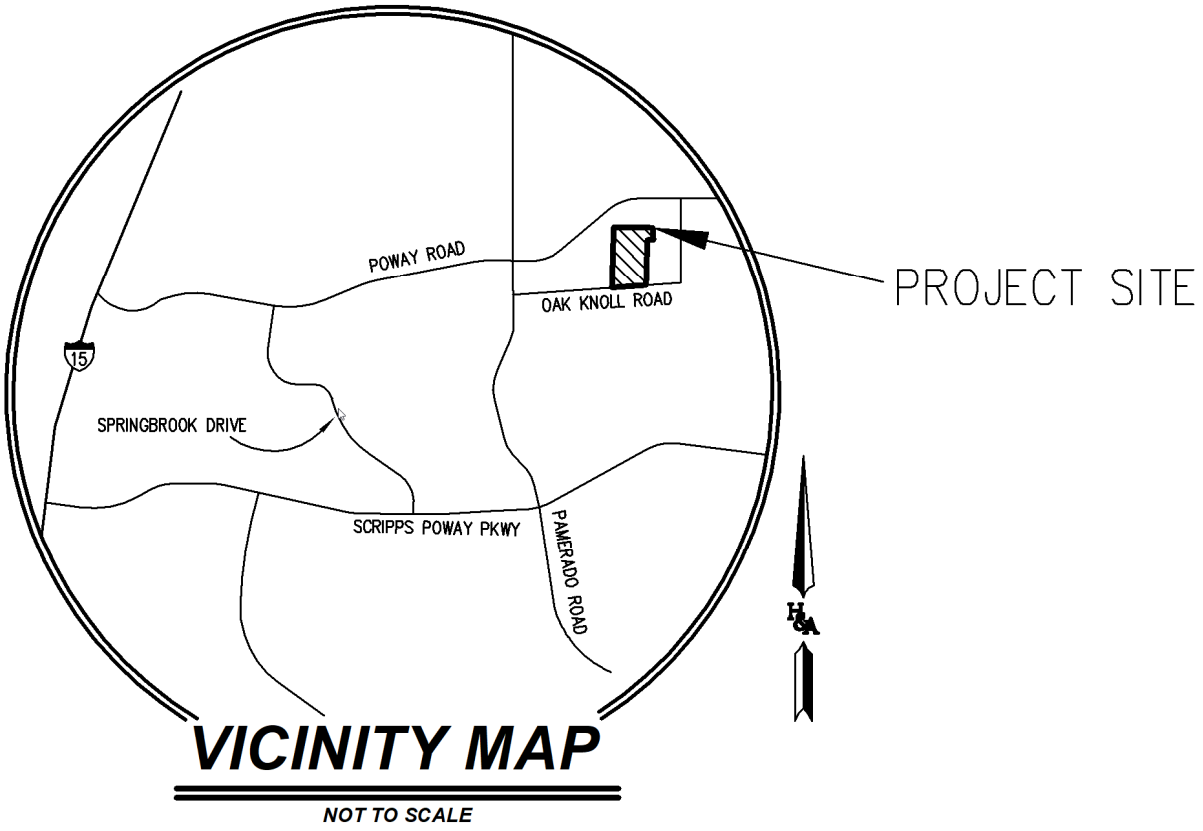
Submittal Record

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project.

Submittal Number	Date	Summary of Changes
1	6/29/2022	Initial Submittal
2	11/30/2022	City comments addressed
3	09/05/2023	Final Submittal
4		

Project Vicinity Map

Project Name: Harmon Oaks
Project ID: SP 22-0001, TTM 22-0001 & DR 22-0003



Step 1: Stormwater Intake Form

City of Poway
Storm Water Intake Form for All Permit Applications

Preparation Date:
09/05/2023

This form must be completed in its entirety and accompany applications for any of the discretionary or ministerial permits and approvals referenced in Sections 16.100 through 16.105 of the City of Poway Municipal Code (PMC). The purpose of this form is to establish the Stormwater Quality Management Plan (SWQMP) requirements applicable to the project.

Step 1: Project Identification

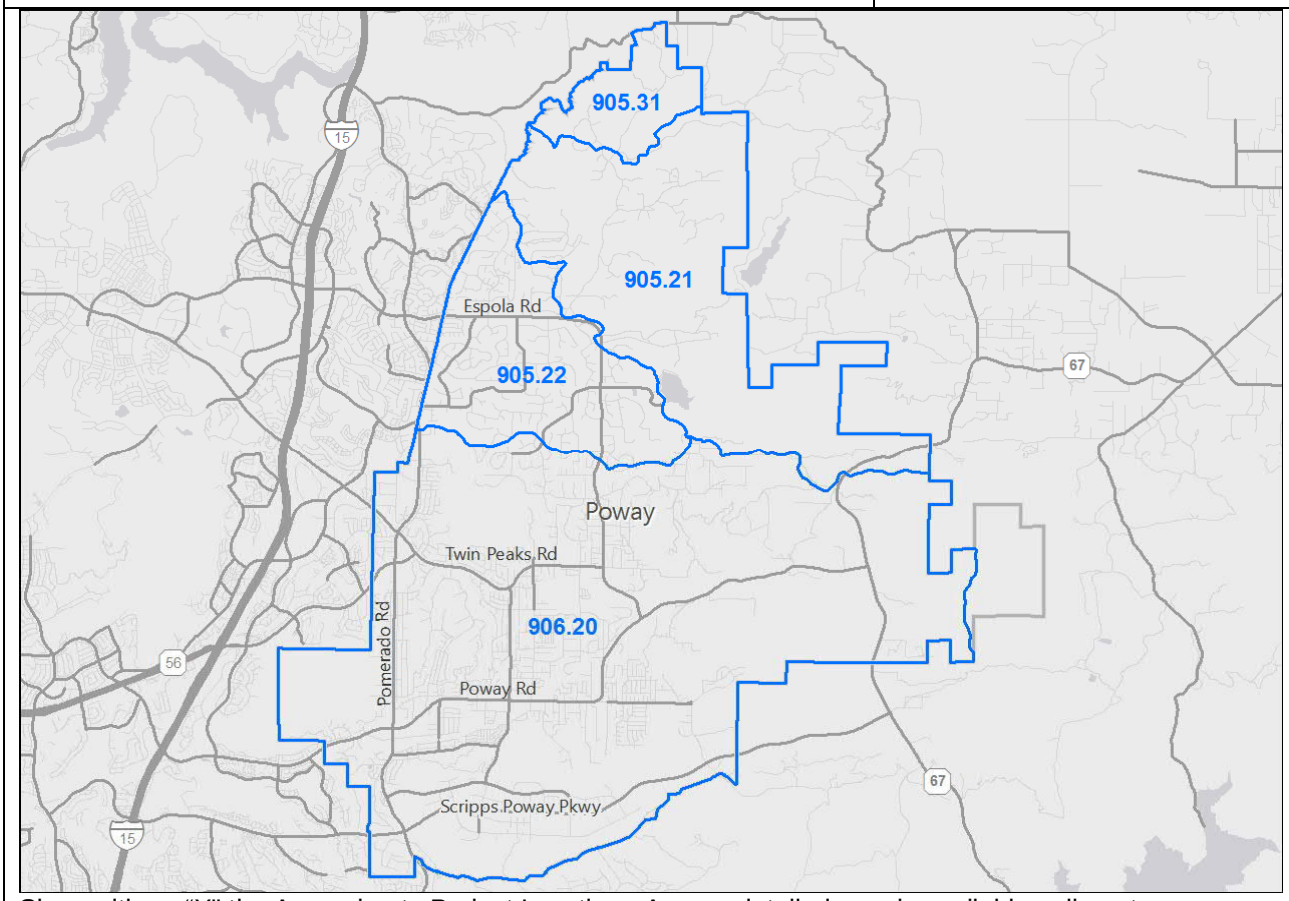
Applicant name:	APN(s):	Project/Permit Number:
Harmon Oaks	**317-501-01-00, 317-500-02, 03,09,10,11,12,13,14**	**SP 22-0001, TTM 22-0001 & DR 22-0003**

Project Address:

One portion North of Oak Knoll Road and one South, in between Pomerado Road and Carriage Road

Step 2: Geographic location

Step	Answer
What hydrologic unit is the project in? Use the map below to approximate the location.	☐905.31 ☐905.21 ☐905.22 ☑906.20



Show with an "X" the Approximate Project Location. A more detailed map is available online at http://poway.org/784/Online-Maps under the PowGIS link.

Step 3: Project type determination (Standard or Priority Development Project)

Is the project part of another Priority Development Project (PDP)? If so, a **PDP SWQMP** is required. Go to Step 4.	☐Yes ☑ No
The project is (select one):	☑ New Development ☐ Redevelopment[1]
The total proposed newly created or replaced impervious area is:	237,485 ft²
The total existing (pre-project) impervious area is:	11,488 ft²
The total area disturbed by the project is (including contractor lay-down areas, landscape areas, and septic fields):	370,076 ft²

If the total area disturbed by the project is 1 acre (43,560 sq. ft.) or more OR the project is part of a larger common plan of development (e.g., a building permit within a previously approved subdivision) disturbing 1 acre or more, a Waste Discharger Identification (WDID) number must be obtained from the State Water Resources Control Board.
WDID: _____

Is the project in any of the following categories, (a) through (f)?[2]

Yes	No		
☑	☐	(a)	New development projects that create 10,000 square feet or more of impervious surfaces[3] (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes	☑	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
☑	☐	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: (i) Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (Standard Industrial Classification (SIC) code 5812). (ii) Hillside development projects. This category includes development on any natural slope that is twenty-five percent or greater. (iii) Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce. (iv) Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface used for the transportation of automobiles, trucks, motorcycles, and other vehicles.

[1] Redevelopment is defined as: The creation, addition, and or replacement of impervious surface on an already developed site. Examples include the expansion of a building footprint, road widening, the addition to or replacement of a structure. Replacement of impervious surfaces includes any activity where impervious material(s) are removed, exposing underlying soil during construction. Redevelopment does not include routine maintenance activities, such as trenching and resurfacing associated with utility work; pavement grinding; resurfacing existing roadways, sidewalks, pedestrian ramps, or bike lanes on existing roads; and routine replacement of damaged pavement, such as pothole repair.

[2] Applicants should note that any development project that will create and/or replace 10,000 square feet or more of impervious surface (collectively over the entire project site) is considered a new development.

[3] For solar energy projects, the area of the solar panels does not count toward the total impervious area of the site.

Project Type Determination (continued)			
Yes ☑ ☑ ☐	No ☐ ☐ ☑	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and (i) Discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or (ii) Conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands).
Yes ☐	No ☑	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☑	No ☐	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction.

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐No – the project is not a Priority Development Project (Standard Project).

☑Yes – the project is a Priority Development Project (PDP).

Further guidance may be found in Chapter 1 and Table 1-2 of the BMP Design Manual.

The following is for **redevelopment PDPs only**:

The area of existing (pre-project) impervious area at the project site is: _____ ft^2 (A)

The total proposed newly created or replaced impervious area is: _____ ft^2 (B)

Percent impervious surface created or replaced (B/A)*100: _____ %

The percent impervious surface created or replaced is (select one based on the above calculation):

☐less than or equal to fifty percent (50%) – **only newly created or replaced impervious areas are considered a PDP and subject to stormwater requirements.**

OR

☒greater than fifty percent (50%) – **the entire project site is considered a PDP and subject stormwater requirements.**

Step 4: Storm Water Quality Management Plan requirements

Step	Answer	Progression
Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? To answer this item, complete the Project Type Determination Checklist on Pages 2 and 3 of this form, and see PDP exemption information below. For further guidance, see Section 1.4 of the BMP Design Manual *in its entirety*.	☐Standard Project	Standard Project requirements apply, including Standard Project SWQMP. **Complete Standard Project SWQMP.**
	☑PDP	Standard and PDP requirements apply, including PDP SWQMP. **Complete PDP SWQMP.**
	☐PDP Exemption	**Go to Step 5 below.**

Step 5: Exemption to PDP Definitions

Is the project exempt from PDP definitions based on either of the following: ☐ Projects that are only new or retrofit paved sidewalks, bicycle lanes, or trails that meet the following criteria: (i) Designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas; OR (ii) Designed and constructed to be hydraulically disconnected from paved streets or roads [i.e., runoff from the new improvement does not drain directly onto paved streets or roads]; OR (iii) Designed and constructed with permeable pavements or surfaces in accordance with County of San Diego Guidance on Green Infrastructure;	If so: Standard Project requirements apply, AND any additional requirements specific to the type of project. City concurrence with the exemption is required. *Provide discussion and list any additional requirements below in this form.* **Complete Standard Project SWQMP.**
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:	

Step 6: Certification

Applicant Certification: I have read and understand that the City of Poway has adopted minimum requirements for managing urban runoff, including storm water, from construction and land development activities, as described in the BMP Design Manual. I certify that this intake form has been completed to the best of my ability and accurately reflects the project being proposed. I also understand that non-compliance with the City's PMC may result in Code Enforcement action by the City.

Signature of Applicant:	*Date:*
Alissa S. Valpondo	11/30/2022

For City Only:
☐ Standard SWQMP
☐ PDP SWQMP

Step 2: Site Information Checklist – Form I-3B

Site Information Checklist	Form I-3B (PDPs)
Project Summary Information	
Project Name	Harmon Oaks
Project Address	Oak Knoll Road, in between Pomerado Road and Carriage Road
Assessor's Parcel Number(s)	317-501-01-00, 317-500-02, 03,09,10,11,12,13,14
Project/Permit Number	SP 22-0001, TTM 22-0001 & DR 22-0003
Project Watershed (Hydrologic Unit)	Select One: ☐ San Dieguito 905 ☑ Penasquitos 906
Parcel Area (total area of Assessor's Parcel(s) associated with the project)	11.51 Acres (501,372 Square Feet)
Area to be disturbed by the project (Project Area)	8.50 Acres (370,076 Square Feet)
Project Proposed Impervious Area (subset of Project Area)	5.45 Acres (237,485 Square Feet)
Project Proposed Pervious Area (subset of Project Area)	3.04 Acres (132,591 Square Feet)
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Parcel Area.	

Form I-3B Page 2 of 9

Description of Existing Site Condition and Drainage Patterns

Current Status of the Site (select all that apply):

☑Existing development

☐ Previously graded but not built out

☑Agricultural or other non-impervious use

☑Vacant, undeveloped/natural

Description / Additional Information:

Existing Land Cover Includes (select all that apply):

☑ Vegetative Cover

☑ Non-Vegetated Pervious Areas

☑ Impervious Areas

Description / Additional Information:

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

☑ NRCS Type A

☐ NRCS Type B

☐ NRCS Type C

☑ NRCS Type D

Approximate Depth to Groundwater:

☐ Groundwater Depth < 5 feet

☑ 5 feet < Groundwater Depth < 10 feet

☐ 10 feet < Groundwater Depth < 20 feet

☐ Groundwater Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

☑Watercourses

☐ Seeps

☐ Springs

☐ Wetlands

☐ None

Description / Additional Information:

The northern portion discharges indirectly into Poway Creek and the southern portion discharges directly

Description of Existing Site Topography and Drainage [How is storm water runoff conveyed from the site? At a minimum, this description should answer (1) whether existing drainage conveyance is natural or urban; (2) describe existing constructed storm water conveyance systems, if applicable; and (3) is runoff from offsite conveyed through the site? If so, describe]:

The existing drainage conveyance is divided in two main areas, one north of Oak Knoll Road and the other one south. For the northern side, the conveyance is urban and for the southern side is natural.

For the northern side, runoff sheet flows on a SW direction where a portion of it is caught by a catch basin and headwall on the property located immediately west of the project boundary and the other portion is caught by curb inlets on Oak Knoll Road. Both flows convey via storm drain and comingle downstream where it finally discharges into Poway Creek.

Description of Proposed Site Development and Drainage Patterns

Project Description / Proposed Land Use and/or Activities:

The project ultimately consist of a single family residential development of 64units (60 dwellings North of Oak Knoll Road and 4 more South), with associated sidewalks, parking areas and associated roads.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):

Impervious features include 64 single family homes, sidewalks, parking areas and associated roads.

List/describe proposed pervious features of the project (e.g., landscape areas):

Pervious features include landscape areas and slopes.

Does the project include grading and changes to site topography?

☑ Yes

☐ No

Description / Additional Information:

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☑ Yes

☐ No

Description / Additional Information:

The project proposes a new storm drain system comingling with the existing storm drain located on Oak Knoll Road

Form I-3B Page 5 of 9

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

☑Onsite storm drain inlets
☐ Interior floor drains and elevator shaft sump pumps
☐ Interior parking garages
☑Need for future indoor & structural pest control
☑Landscape/outdoor pesticide use
☐ Pools, spas, ponds, decorative fountains, and other water features
☐ Food service
☐ Refuse areas
☐ Industrial processes
☐ Outdoor storage of equipment or materials
☐ Vehicle and equipment cleaning
☐ Vehicle/equipment repair and maintenance
☐ Fuel dispensing areas
☐ Loading docks
☑Fire sprinkler test water
☐ Miscellaneous drain or wash water
☑Plazas, sidewalks, and parking lots

Form I-3B Page 6 of 9

Identification of Receiving Water Pollutants of Concern

Describe path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable):

Runoff north of Oak Knoll Road will be captured onsite and pumped out to the existing storm drain system located on Oak Knoll Road where it will comingle with the flows from the south area, collected by an existing sump inlet on Oak Knoll Road, then discharging into Poway Creek. Poway Creek connects with Los Penasquitos Creek, then with Los Penasquitos Lagoon and finally discharges into the pacific ocean.

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs for the impaired water bodies:

303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs/WQIP Highest Priority Pollutant
Poway Creek	Selenium, Nitrogen, Toxicity	N/A
Los Penasquitos Creek	Total Dissolved Solids, Phosphate, Toxicity, Indicator Bacteria, Nitrogen, Benthic Community Effects, Chlorpyrifos, Bifenthrin	N/A
Los Penasquitos Lagoon	Sedimentation/Siltation, Toxicity	Sedimentation/Siltation
Pacific Ocean Shoreline, Miramar Reservoir HA, Los Penasquitos River mouth	Indicator Bacteria	Indicator Bacteria

Identification of Project Site Pollutants

Identify pollutants anticipated from the project site based on all proposed use(s) of the site (see manual Appendix Table B.6-1):

Pollutant	Not Applicable to the Project Site	Anticipated from the Project Site	Receiving Water Pollutant of Concern	Primary or Secondary Pollutant of Concern
Sediment		X	X	X
Nutrients		X	X	X
Heavy Metals	X		X	
Organic Compounds	X		X	
Trash & Debris		X		
Oxygen Demanding Substances		X		

Oil & Grease		X		
Bacteria & Viruses		X	X	X
Pesticides		X		
Identify whether each pollutant listed is Not Applicable to the Project Site, Anticipated from the Project Site, and/or a Receiving Water Pollutant of Concern with an X or ✓. Identify Primary or Secondary in the last column with a P or S unless Not Applicable to the Project Site has been selected.				

Form I-3B Page 7 of 9

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the manual)?

☑Yes, hydromodification management flow control structural BMPs required.

☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

Critical Coarse Sediment Yield Areas*

*This Section only required if hydromodification management requirements apply

Based on the maps provided within the WMAA, do potential critical coarse sediment yield areas exist within the project drainage boundaries?

☐ Yes

☑No, no critical coarse sediment yield areas to be protected based on WMAA maps

If yes, have any of the optional analyses presented in Section 6.2 of the manual been performed?

☐ 6.2.1 Verification of GLUs Onsite

☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment

☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite

☐ No optional analyses performed, the project will avoid critical coarse sediment yield areas identified based on WMAA maps

If optional analyses were performed, what is the final result?

☐ No critical coarse sediment yield areas to be protected based on verification of GLUs onsite.

☐ Critical coarse sediment yield areas exist but additional analysis has determined that protection is not required. Documentation attached in Attachment 8 of the SWQMP.

☐ Critical coarse sediment yield areas exist and require protection. The project will implement management measures described in Sections 6.2.4 and 6.2.5 as applicable, and the areas are identified on the SWQMP Exhibit.

Discussion / Additional Information:

Form I-3B Page 8 of 9
Flow Control for Post-Project Runoff* *This Section only required if hydromodification management requirements apply
List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit. One POC is proposed downstream on Poway Creek at the discharge of the existing storm drain system.
Has a geomorphic assessment been performed for the receiving channel(s)? ☑No, the low flow threshold is 0.1Q2 (default low flow threshold) ☐ Yes, the result is the low flow threshold is 0.1Q2 ☐ Yes, the result is the low flow threshold is 0.3Q2 ☐ Yes, the result is the low flow threshold is 0.5Q2 If a geomorphic assessment has been performed, provide title, date, and preparer: Discussion / Additional Information: (optional)

Form I-3B Page 9 of 9
Other Site Requirements and Constraints
When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.
Optional Additional Information or Continuation of Previous Sections As Needed
This space provided for additional information or continuation of information from previous sections as needed.

Step 3: Source Control BMP Checklist – Form I-4

Source Control BMP Checklist for All Development Projects	Form I-4

Project Identification

Project Name: Harmon Oaks

Project/Permit Number: SP 22-0001, TTM 22-0001 & DR 22-0003

Source Control BMPs

All development projects must implement source control BMPs SC-1 through SC-6 where applicable and feasible. See Chapter 4 and Appendix E of the manual for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
SC-1 Prevention of Illicit Discharges into the MS4	☑Yes	☐ No	☐ N/A
Discussion / justification if SC-1 not implemented:			
SC-2 Storm Drain Stenciling or Signage	☑Yes	☐ No	☐ N/A
Discussion / justification if SC-2 not implemented:			
SC-3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☑N/A
Discussion / justification if SC-3 not implemented:			
SC-4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☑N/A
Discussion / justification if SC-4 not implemented:			

Form I-4 Page 2 of 2			
Source Control Requirement	Applied?		
SC-5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☑ N/A
Discussion / justification if SC-5 not implemented:			
SC-6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
☐ Onsite storm drain inlets	☑ Yes	☐ No	☐ N/A
☐ Interior floor drains and elevator shaft sump pumps	☐ Yes	☐ No	☑ N/A
☐ Interior parking garages	☐ Yes	☐ No	☑ N/A
☐ Need for future indoor & structural pest control	☐ Yes	☐ No	☑ N/A
☐ Landscape/outdoor pesticide use	☑ Yes	☐ No	☐ N/A
☐ Pools, spas, ponds, decorative fountains, and other water features	☐ Yes	☐ No	☑ N/A
☐ Food service	☐ Yes	☐ No	☑ N/A
☐ Refuse areas	☐ Yes	☐ No	☑ N/A
☐ Industrial processes	☐ Yes	☐ No	☑ N/A
☐ Outdoor storage of equipment or materials	☐ Yes	☐ No	☑ N/A
☐ Vehicle and equipment cleaning	☐ Yes	☐ No	☑ N/A
☐ Vehicle/equipment repair and maintenance	☐ Yes	☐ No	☑ N/A
☐ Fuel dispensing areas	☐ Yes	☐ No	☑ N/A
☐ Loading docks	☐ Yes	☐ No	☑ N/A
☐ Fire sprinkler test water	☑ Yes	☐ No	☐ N/A
☐ Miscellaneous drain or wash water	☑ Yes	☐ No	☐ N/A
☐ Plazas, sidewalks, and parking lots	☑ Yes	☐ No	☐ N/A
Discussion / justification if SC-6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for <u>all</u> "No" answers shown above.			

Step 4: Site Design BMP Checklist – Form I-5

Site Design BMP Checklist for All Development Projects	Form I-5

Project Identification

Project Name: Harmon Oaks

Project/Permit Number: SP 22-0001, TTM 22-0001 & DR 22-0003

Site Design BMPs

All development projects must implement site design BMPs SD-1 through SD-8 where applicable and feasible. See Chapter 4 and Appendix E of the manual for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

Site Design Requirement	Applied?		
SD-1 Maintain Natural Drainage Pathways and Hydrologic Features	☑Yes	☐ No	☐ N/A
Discussion / justification if SD-1 not implemented:			
SD-2 Conserve Natural Areas, Soils, and Vegetation	☑Yes	☐ No	☐ N/A
Discussion / justification if SD-2 not implemented:			
SD-3 Minimize Impervious Area	☑Yes	☐ No	☐ N/A
Discussion / justification if SD-3 not implemented:			
SD-4 Minimize Soil Compaction	☑Yes	☐ No	☐ N/A
Discussion / justification if SD-4 not implemented:			

Form I-5 Page 2 of 2			
Site Design Requirement	Applied?		
SD-5 Impervious Area Dispersion	☑ Yes	☐ No	N/A
Discussion / justification if SD-5 not implemented:			
SD-6 Runoff Collection	☑ Yes	☐ No	☐ N/A
Discussion / justification if SD-6 not implemented:			
SD-7 Landscaping with Native or Drought Tolerant Species	☑ Yes	☐ No	☐ N/A
Discussion / justification if SD-7 not implemented:			
SD-8 Harvesting and Using Precipitation	☐ Yes	☐ No	☑ N/A
Discussion / justification if SD-8 not implemented:			

Step 5: Summary of PDP Structural BMPs – Form I-6

Summary of PDP Structural BMPs	Form I-6 (PDPs)
Project Identification	
Project Name: Harmon Oaks	
Project/Permit Number: SP 22-0001, TTM 22-0001 & DR 22-0003	
PDP Structural BMPs	
All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s). PDP structural BMPs must be verified by the local jurisdiction at the completion of construction. This may include requiring the project owner or project owner's representative to certify construction of the structural BMPs (see Section 1.12 of the manual). PDP structural BMPs must be maintained into perpetuity, and the local jurisdiction must confirm the maintenance (see Section 7 of the manual). Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).	
Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate. The selection, sizing, and design of stormwater treatment and other source control and site design BMPS measures in this plan were done based on the City of Poway BMP Design Manual and the requirements of the MS4 permit (San Diego Regional Water Quality Control Board) Order No. R9-2013-0001. (Continue on page 2 as necessary.)	

(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)

(Continued from page 1)

Step 1. A- DMA 12, 13 and14 are identified as a self mitigating areas. These DMAs are natural, landscaped or turf area that does not generate significant pollutants and drains directly offsite or to the public storm drain system without being treated by a structural BMP and meet all requirements in section 5.2.1.

Step 1.B- Eleven DMAs have been delineated (DMA1-DMA11), and area break down for each DMA based on surface type was provide. Area weighted runoff factor for each DMA was calculated using Table 1.1 from Appendix B.1.1, and Appendix B.2.1. 85th percentile 24-hr storm depth from Figure B.1-1 has been determined to be 0.62 inch. DCV for each DMA was calculated using Worksheet B.2.1 and following Section 5.3.

Step 2. Harvest and use feasibility screening was provided using Havest and Use feasibility Checklist (Worksheet B.3.1 and following Section 5.4.1)

Harvest and Use deemed infeasible as the 36 hour demand is less than 0.25 of the total DCV (please refer to Worksheet B.3 in Attachment 1a).

Step 3. Infiltration feasibility analysis was prepared by a geotechnical Engineer (please refer to Form I-8 infiltration feasibility Screening prepared by Geocon), and full or partial infiltration deemed to be infeasible, because 1) per the Geotechnical Investigation, dated June 15, 2022 for storm water evaluation prepared by Geocon. Based on results of permeability testing, the unfactored infiltration rate was measured to be 0.07 inches/ hour using a constant head borehole permeameter. If applying a feasibility factor of safety of 2.0, the infiltration rate would be 0.036 iph, which is less than the commonly used threshold value of 0.05 iph for partial infiltration. The USDA NRCS web soil survey website indicates the majority of the underlying soils belong to Placentia sandy loam (PfC) which is identified as Hydrologic Soil Group D, which is not conducive to infiltration BMP's. Information collected from the USDA website is attached. The downhole permeameter test results are attached. In accordance with the Riverside County storm water procedures, which reference the United States Bureau of Reclamation Well Permeameter Method (USBR 7300), the saturated hydraulic conductivity is equal to the unfactored infiltration rate., 2)the potential for lateral water migration to adversely impact existing and proposed utilities, adversely impact proposed foundations and improvements is high. Compacted fill will be placed across the property and result in fills greater than 5 feet thick. Infiltration BMP's founded in compacted fill should be avoided to prevent adverse shrinking/swelling of the expansive soils, and adverse hydro-consolidation of the granular fill soils which causes differential settlement. The underlying Terrace Deposits and Friars Formation consists of stiff to very stiff clay that will also not percolate into the ground and water would migrate laterally, and 3) the Groundwater is located within 10 feet from the proposed BMP's. Therefore, the risk of groundwater contamination increases if infiltration BMP's are used.

As a result of Step 2 and Step3, harvest and use , and full or partial infiltration were deemed to be infeasible. Therefore, biofiltration BMP category was implemented (section 5.5.3), and Proprietary biofiltration BMPs were chosen (Filterra units or equivalent) from the biofiltration category.

-The proposed proprietary biofiltration BMP meets the minimum design criteria listed in Appendix F, including the pollutant treatment performance standard in Appendix F.1;

-The proprietary biofiltration BMP was designed and will be maintained in a manner consistent with its performance certifications. Refer to the T.A.P.E. Certification in Attachment 1.a, and the maintenance information in Attachment3

-The proprietary biofiltration BMPs were sized as a flow based Biofiltration BMP following appendix F.2.2.

(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)

(Continued from page 1)

The following steps were followed to demonstrate that the system is sized to treat 1.5 times the DCV:

1. The flow rate required to meet the pollutant treatment performance standard without scaling for the 1.5 factor was calculated from 0.2 inch per hour uniform intensity precipitation event.
2. The calculated water quality flow rate from Step 1 was multiplied by 1.5 to compute the design flow rate for the biofiltration system.
3. Based on the conditions of certification/verification (discussed above), the design capacity, as a flow rate, of a given sized unit was established.
4. An appropriate unit size and number of units is provided to provide a flow rate that meets the required flow rate from Step 2 for each DMA.
5. site design BMPs (Impervious area dispersion) was provided to meet minimum retention requirement in Appendix B. County of San Diego Automatic Worksheets (B.1, B.2, and B.3) were provided to verify that the provided dispersion areas meet minimum retention requirements.

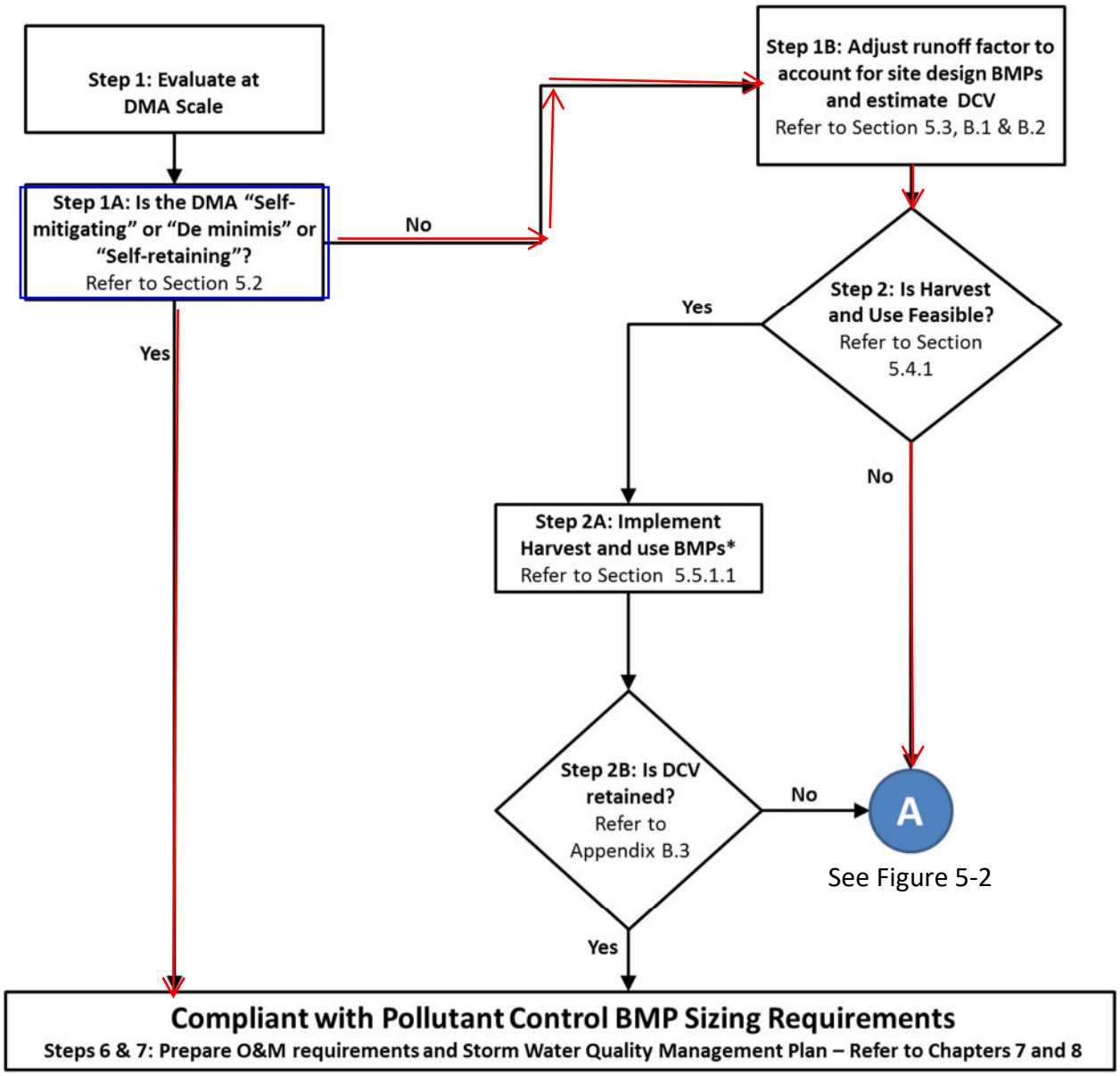
A total of 11 Filterra units (BF-3-1 to 11) were sized to address the water quality requirements for all of the Harmon Oaks development. Every Filterra unit was sized utilizing worksheet "B.6-1 for a flow based proprietary biofiltration BMP" to treat 1.5 times the calculated flow rate (0.2 in/hr rainfall intensity). The refer to Attachment 1a.

For hydromodification flow control, an underground vault is proposed to mitigate the flow that is generated by the DMA-1 to DMA-10 (North of Oak Knoll Road Site).

The flows generated by DMA-1 to DMA-10 (North of Oak Knoll Road Site) will be intercepted by Filterra units where the flows will be treated to address water quality requirements, then routed to the underground vault (HMP-1) to address hydromodification requirements and then conveyed via a storm drain to the existing 36" storm drain on Oak Knoll Road. The flows generated by DMA-11 will be intercepted by a Filterra unit located on Oak Knoll Road where the flows will be treated to address water quality requirements and then will commingle with the flows generated from DMA-1 to DMA-10 at the existing 36" storm drain on Oak Knoll Road. All flows will be conveyed via the existing storm drain network to POC-1, located at the downstream end of the existing 8'x5' box culvert discharging into Poway Creek. DMA 11 is routed directly to the poc, and the proposed vault will over-detain the flows from the other DMAs, so the project meets HMP requirement when measured at the POC. SWMM models for post and pre development were prepared and provided to verify that the proposed underground vault and outlet structure will meet HMP requirements.

The existing soil on the site is classified as hydrologic soil group A and D. Harvest and use is considered infeasible for the entire project based on Form I-7.

management requirements apply.



* Step 2C: Project applicant has an option to also conduct feasibility analysis for infiltration and if infiltration is fully or partially feasible has an option to choose between infiltration and harvest and use BMPs. But if infiltration is not feasible and harvest and use is feasible, project applicant must implement harvest and use BMPs

FIGURE 5-1. Storm Water Pollutant Control BMP Selection Flow Chart

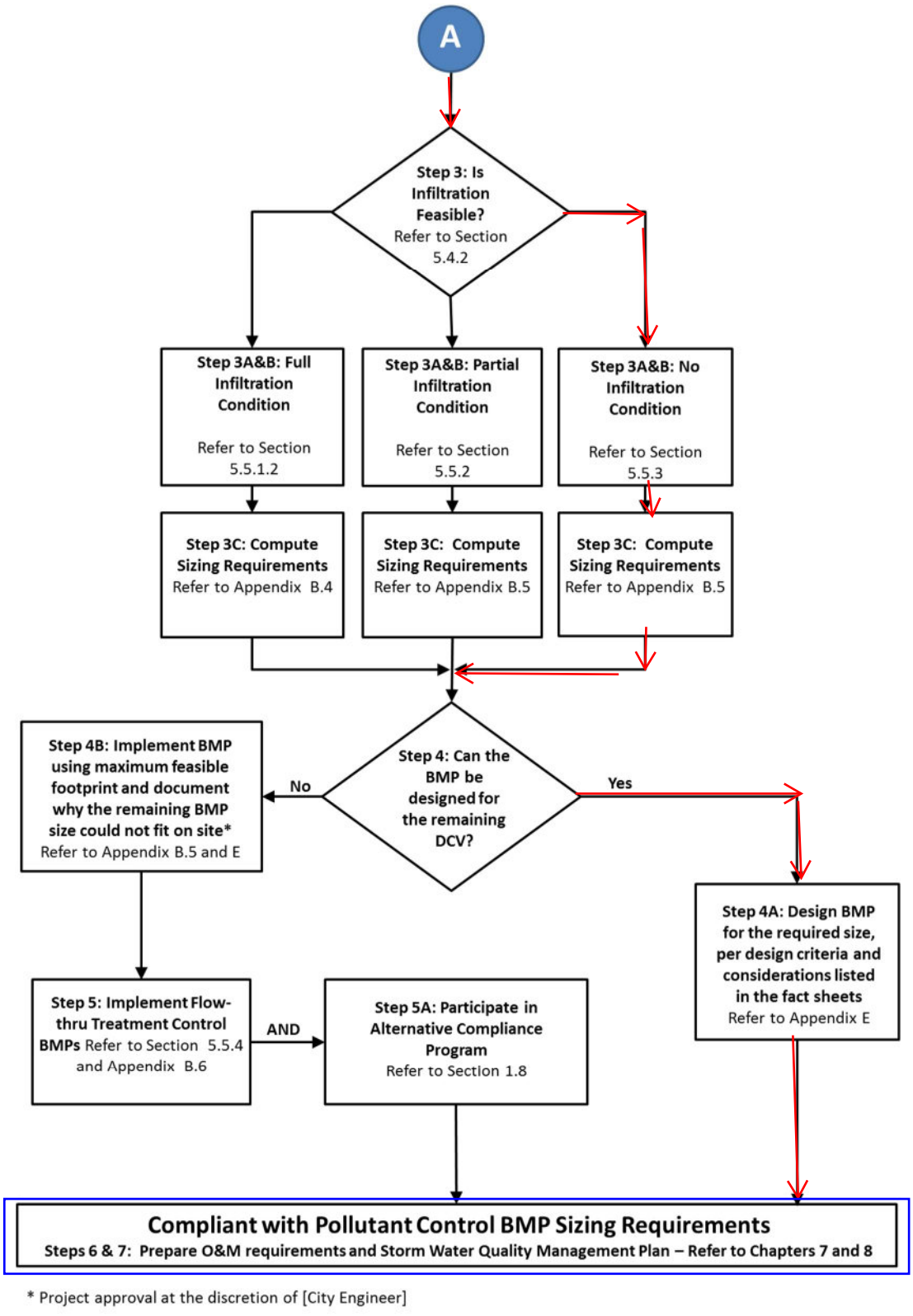


FIGURE 5-2. Storm Water Pollutant Control BMP Selection Flow Chart

Form I-6 Page 3 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-1	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration ~~(BF-1)~~ (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 4 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-2	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 5 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-3	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 6 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-4	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 7 of 13 (Copy as many as needed)
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)
Structural BMP ID No. BF-3-5
Construction Plan Sheet No. TBD
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 8 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-6	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 9 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-7	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 10 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-8	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 11 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-9	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 12 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-10	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 12 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. BF-3-11	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) (BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

Form I-6 Page 13 of 13 (Copy as many as needed)	
Structural BMP Summary Information (Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. HMP-1	
Construction Plan Sheet No. TBD	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☐ Biofiltration (BF-1) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☑ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☑ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the manual)	Lennar Homes of California, Inc. 16465 Via Esprillo, Ste. 150 San Diego, CA 92127 (858) 618-4942
Who will be the final owner of this BMP?	Lennar Homes of California, Inc.
Who will maintain this BMP into perpetuity?	Lennar Homes of California, Inc.
What is the funding mechanism for maintenance?	HOA
Discussion (as needed):	

ATTACHMENT 1 – BACKUP FOR PDP POLLUTANT CONTROL BMPs

This is the cover sheet for Attachment 1.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 1a	Storm Water Pollutant Control Worksheet Calculations Worksheet B.1-1 (Required) Worksheet B.3-1 (Required) Worksheet B.4-1 (if applicable) Worksheet B.4-2 (if applicable) Worksheet B.5-1 (if applicable) Worksheet B.5-2 (if applicable) Worksheet B.5-3 (if applicable) Worksheet B.6-1 (if applicable) Summary Worksheet (optional)	☒ B.1-1 Included ☒ B.3-1 Included ☐ B.4-1 Included ☐ B.4-2 Included ☐ B.5-1 Included ☐ B.5-2 Included ☐ B.5-3 Included ☒ B.6-1 Included ☒ Summary Worksheet Included
Attachment 1b	Form I-8, Categorization of Infiltration Feasibility Condition (Required unless the project will use harvest and use BMPs) Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☒ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1c	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☒ Included

Attachment 1a

Harmon Oaks
DMA CALCULATIONS

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

Tabular Summary of DMAs — **Worksheet B-1**

DMA Unique Identifier	Type of Surface	Area (square feet)	Impervious Area (square feet)	% Imp	Hydrologic Soil Group	Area Weighted Runoff Coefficient	Treated by (BMP ID)	Proposed Pollutant Control Type	Drains to (POC ID)
DMA 1	ROOF	15490	15490	100%	D	0.90	BF-3-1	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	14661	14661	100%	D	0.90	BF-3-1	6x8 Filterra Unit	1
	SLOPE (D Soil)	10683	0	0%	D	0.30	BF-3-1	6x8 Filterra Unit	1
	LANDSCAPE	12260	0	0%	D	0.10	BF-3-1	6x8 Filterra Unit	1
DMA 2	ROOF	14837	14837	100%	D	0.90	BF-3-2	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	10802	10802	100%	D	0.90	BF-3-2	6x8 Filterra Unit	1
	LANDSCAPE	13136	0	0%	D	0.10	BF-3-2	6x8 Filterra Unit	1
DMA 3	ROOF	14209	14209	100%	D	0.90	BF-3-3	6x6 Filterra Unit	1
	CONCRETE/ASPHALT	10366	10366	100%	D	0.90	BF-3-3	6x6 Filterra Unit	1
	LANDSCAPE	9176	0	0%	D	0.10	BF-3-3	6x6 Filterra Unit	1
DMA 4	ROOF	8058	8058	100%	D	0.90	BF-3-4	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	8154	8154	100%	D	0.90	BF-3-4	6x8 Filterra Unit	1
	LANDSCAPE	6232	0	0%	D	0.10	BF-3-4	6x8 Filterra Unit	1
DMA 5	ROOF	13613	13613	100%	D	0.90	BF-3-5	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	9532	9532	100%	D	0.90	BF-3-5	6x8 Filterra Unit	1
	LANDSCAPE	11501	0	0%	D	0.10	BF-3-5	6x8 Filterra Unit	1
DMA 6	ROOF	1866	1866	100%	D	0.90	BF-3-6	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	7720	7720	100%	D	0.90	BF-3-6	6x8 Filterra Unit	1
	SLOPE (D Soil)	1797	0	0%	D	0.30	BF-3-6	6x8 Filterra Unit	1
	LANDSCAPE	5189	0	0%	D	0.10	BF-3-6	6x8 Filterra Unit	1
DMA 7	ROOF	14319	14319	100%	D	0.90	BF-3-7	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	7372	7372	100%	D	0.90	BF-3-7	6x8 Filterra Unit	1
	LANDSCAPE	10514	0	0%	D	0.10	BF-3-7	6x8 Filterra Unit	1
DMA 8	ROOF	7886	7886	100%	D	0.90	BF-3-8	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	15577	15577	100%	D	0.90	BF-3-8	6x8 Filterra Unit	1
	SLOPE (D Soil)	191	0	0%	D	0.30	BF-3-8	6x8 Filterra Unit	1
	LANDSCAPE	4799	0	0%	D	0.10	BF-3-8	6x8 Filterra Unit	1
DMA 9	ROOF	12477	12477	100%	D	0.90	BF-3-9	6x8 Filterra Unit	1
	CONCRETE/ASPHALT	11118	11118	100%	D	0.90	BF-3-9	6x8 Filterra Unit	1
	LANDSCAPE	18245	0	0%	D	0.10	BF-3-9	6x8 Filterra Unit	1
DMA 10	ROOF	13892	13892	100%	D	0.90	BF-3-10	4x8 Filterra Unit	1
	CONCRETE/ASPHALT	14127	14127	100%	D	0.90	BF-3-10	4x8 Filterra Unit	1
	LANDSCAPE	10794	0	0%	D	0.10	BF-3-10	4x8 Filterra Unit	1
DMA 11	ROOF	7946	7946	100%	D	0.90	BF-3-10	4x8 Filterra Unit	1
	CONCRETE/ASPHALT	3464	3464	100%	D	0.90	BF-3-10	4x8 Filterra Unit	1
	LANDSCAPE	9302	0	0%	D	0.10	BF-3-10	4x8 Filterra Unit	1
DMA 12	Natural (D Soil)	6953	0	0%	D	0.30	N/A	Self Mitigating Area	1
DMA 13	Natural (D Soil)	929	0	0%	D	0.30	N/A	Self Mitigating Area	1
DMA 14	Natural (D Soil)	891	0	0%	A	0.10	N/A	Self Mitigating Area	1
Total Disturbed Area =		370076	237485						

Summary of DMA Information (Must match Project description and SWQMP narrative)

No. of DMAs	Total DMA Area (acres)	Total Impervious Area (acres)	% Impervious	Area Weighted Runoff Coefficient	Design Intensity (in/hr)	Adjustment Factor	Safe Factor	Design Flow Rate (cfs)	Proposed Pollutant Control Type
DMA 1	1.22	0.69	56.79%	0.59	0.20	0.983	1.5	0.216	6x10 Filterra Unit
DMA 2	0.89	0.59	66.12%	0.63	0.20	0.984	1.5	0.167	6x8 Filterra Unit
DMA 3	0.77	0.56	72.81%	0.68	0.20	0.984	1.5	0.157	6x8 Filterra Unit
DMA 4	0.52	0.37	72.23%	0.68	0.20	0.985	1.5	0.104	4x8 Filterra Unit
DMA 5	0.80	0.53	66.80%	0.63	0.20	0.984	1.5	0.150	6x8 Filterra Unit
DMA 6	0.38	0.22	57.85%	0.55	0.20	0.981	1.5	0.062	4x4 Filterra Unit
DMA 7	0.74	0.50	67.35%	0.64	0.20	0.984	1.5	0.141	6x6 Filterra Unit
DMA 8	0.65	0.54	82.46%	0.76	0.20	0.987	1.5	0.148	6x8 Filterra Unit
DMA 9	0.96	0.54	56.39%	0.55	0.20	0.988	1.5	0.158	6x8 Filterra Unit
DMA 10	0.89	0.64	72.19%	0.68	0.20	0.985	1.5	0.180	6x8 Filterra Unit
DMA 11	0.48	0.26	55.09%	0.54	0.20	0.981	1.5	0.076	4x6 Filterra Unit
DMA 12	0.16	0.00	0.00%	0.30	N/A	N/A	N/A	N/A	Self Mitigating Area
DMA 13	0.02	0.00	0.00%	0.30	N/A	N/A	N/A	N/A	Self Mitigating Area
DMA 14	0.02	0.00	0.00%	0.10	N/A	N/A	N/A	N/A	Self Mitigating Area
∑ =	8.50	5.45	64.17%	0.61					

Harmon Oaks
Worksheet B-2.1

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

DMA 1: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	1.22	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.59	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,631	cubic-feet

DMA2: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.89	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.63	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,260	cubic-feet

DMA 3: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.77	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.63	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,097	cubic-feet

DMA 4: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.52	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.68	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	786	cubic-feet

DMA 5: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.80	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.63	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,136	cubic-feet

DMA6: Design Capture Volume			Worksheet B-2.1	
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.38	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.55	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	473	cubic-feet

Harmon Oaks
Worksheet B-2.1

DMA 7: Design Capture Volume		Worksheet B-2.1		
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.74	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.64	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,063	cubic-feet

DMA 8: Design Capture Volume		Worksheet B-2.1		
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.65	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.76	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,119	cubic-feet

DMA 9: Design Capture Volume		Worksheet B-2.1		
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.96	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.55	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,191	cubic-feet

DMA 10: Design Capture Volume		Worksheet B-2.1		
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.89	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.68	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	1,359	cubic-feet

DMA 11: Design Capture Volume		Worksheet B-2.1		
1	85th percentile 24-hr storm depth from Figure B.1-1	d=	0.62	inches
2	Area tributary to BMP (s)	A=	0.48	acres
3	Area weighted runoff factor (estimate using Appendix B.1.1 and B.2.1)	C=	0.54	unitless
4	Street trees volume reduction	TCV=	0.00	cubic-feet
5	Rain barrels volume reduction	RCV=	0.00	cubic-feet
6	Calculate DCV= (3630 x C x d x A) - TCV - RCV	DCV=	579	cubic-feet

Harvest and Use Feasibility Checklist	Worksheet B.3-1

1. Is there a demand for harvested water (check all that apply) at the project site that is reliably present during the wet season?

☒ Toilet and urinal flushing

☒ Landscape irrigation

☐ Other

2. If there is a demand; estimate the anticipated average wet season demand over a period of 36 hours. Guidance for planning level demand calculations for toilet/urinal flushing and landscape irrigation is provided in Section B.3.2.

36 hr toilet use per resident= 9.3 gal x 2.5 residents per unit x 63units x 1.5 days = 2197.1gallons = 293.7 cf
36 hour landscape use/acre = 390 gls/ac x 2.81 ac = 1,096 gals = 146.5 cf
Total anticipated 36 hr use = 444.9 cf

9.3 gal per resident from TABLE B.3.1 SECTION 3.2 BMP Manual

3. Calculate the DCV using worksheet B-2.1.

DCV = 11,531 Cubic Feet 0.25 (11,531) = 2,883 Cubic Feet

3a. Is the 36 hour demand greater than or equal to the DCV?	3b. Is the 36 hour demand greater than 0.25DCV but less than the full DCV?	3c. Is the 36 hour demand less than 0.25DCV?
☐ Yes / ☒ No ⇨ ⇩	☐ Yes / ☒ No ⇨ ⇩	☒ Yes ⇩
Harvest and use appears to be feasible. Conduct more detailed evaluation and sizing calculations to confirm that DCV can be used at an adequate rate to meet drawdown criteria.	Harvest and use may be feasible. Conduct more detailed evaluation and sizing calculations to determine feasibility. Harvest and use may only be able to be used for a portion of the site, or (optionally) the storage may need to be upsized to meet long term capture targets while draining in longer than 36 hours.	Harvest and use is considered to be infeasible.

The Harvest and Use calculations were performed for the residential DMA's only.

Harmon Oaks
Worksheet B-6.1

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

Flow-thru Design Flows (BF-3-1)		Worksheet B.6-1		
1	DCV	DCV	1631	cubic-feet
2	DCV retained	$DCV_{retained}$	27	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1604	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.983	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	1.22	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.59	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.144	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.216	cfs

Flow-thru Design Flows (BF-3-2)		Worksheet B.6-1		
1	DCV	DCV	1260	cubic-feet
2	DCV retained	$DCV_{retained}$	20	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1240	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.984	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.89	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.63	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.111	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.167	cfs

Flow-thru Design Flows (BF-3-3)		Worksheet B.6-1		
1	DCV	DCV	1097	cubic-feet
2	DCV retained	$DCV_{retained}$	18	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1079	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.984	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.77	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.68	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.105	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.157	cfs

Harmon Oaks
Worksheet B-6.1

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

Flow-thru Design Flows (BF-3-4)		Worksheet B.6-1		
1	DCV	DCV	786	cubic-feet
2	DCV retained	$DCV_{retained}$	12	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow\text{-}thru}$	774	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.985	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.52	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.68	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.069	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.104	cfs

Flow-thru Design Flows (BF-3-5)		Worksheet B.6-1		
1	DCV	DCV	1136	cubic-feet
2	DCV retained	$DCV_{retained}$	18	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow\text{-}thru}$	1118	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.984	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.80	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.63	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.100	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.150	cfs

Flow-thru Design Flows (BF-3-6)		Worksheet B.6-1		
1	DCV	DCV	473	cubic-feet
2	DCV retained	$DCV_{retained}$	9	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow\text{-}thru}$	463.6	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.981	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.38	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.55	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.042	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.062	cfs

Harmon Oaks
Worksheet B-6.1

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

Flow-thru Design Flows (BF-3-7)		Worksheet B.6-1		
1	DCV	DCV	1063	cubic-feet
2	DCV retained	$DCV_{retained}$	17	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1046	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.984	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.74	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.64	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.094	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.141	cfs

Flow-thru Design Flows (BF-3-8)		Worksheet B.6-1		
1	DCV	DCV	1119	cubic-feet
2	DCV retained	$DCV_{retained}$	14	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1105	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.987	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.65	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.76	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.099	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.148	cfs

Flow-thru Design Flows (BF-3-9)		Worksheet B.6-1		
1	DCV	DCV	1191	cubic-feet
2	DCV retained	$DCV_{retained}$	14	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1177	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.988	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.96	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.55	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.105	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.158	cfs

Harmon Oaks
Worksheet B-6.1

Appendix B: Storm Water Pollutant Control Hydrologic Calculations and Sizing Methods

Flow-thru Design Flows (BF-3-10)		Worksheet B.6-1		
1	DCV	DCV	1359	cubic-feet
2	DCV retained	$DCV_{retained}$	20	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	1339	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.985	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.89	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.68	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.119	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.178	cfs

Flow-thru Design Flows (BF-3-11)		Worksheet B.6-1		
1	DCV	DCV	579	cubic-feet
2	DCV retained	$DCV_{retained}$	11	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow-thru}$	567.6	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	0.981	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	0.48	acres
8	Area-weighted runoff factor (estimate using Appx B.2)	C=	0.54	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.050	cfs
10	Design Flow Rate (Appx F.2.2, BMP Manual) = 1.5Q	Q=	0.076	cfs

Automated Worksheet B.1: Calculation of Design Capture Volume (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Standard Drainage Basin Inputs	1	Drainage Basin ID or Name	DMA 1	DMA 2	DMA 3	DMA 4	DMA 5	DMA 6	DMA 7	DMA 8	DMA 9	DMA 10	unitless
	2	85th Percentile 24-hr Storm Depth	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	29,831	25,418	24,355	16,102	22,925	9,486	21,471	23,313	23,335	27,819	sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)											sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)											sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)	12,100	13,026	9,066	6,177	11,391	5,139	10,404	4,724	18,115	10,694	sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)	10,683					1,797		191			sq-ft
Dispersion Area, Tree Well & Rain Barrel Inputs (Optional)	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	11	Impervious Surfaces Directed to Dispersion Area per SD-B (Ci=0.90)	320	220	220	110	220	100	220	150	260	200	sq-ft
	12	Semi-Pervious Surfaces Serving as Dispersion Area per SD-B (Ci=0.30)											sq-ft
	13	Engineered Pervious Surfaces Serving as Dispersion Area per SD-B (Ci=0.10)	160	110	110	55	110	50	110	75	130	100	sq-ft
	14	Natural Type A Soil Serving as Dispersion Area per SD-B (Ci=0.10)											sq-ft
	15	Natural Type B Soil Serving as Dispersion Area per SD-B (Ci=0.14)											sq-ft
	16	Natural Type C Soil Serving as Dispersion Area per SD-B (Ci=0.23)											sq-ft
	17	Natural Type D Soil Serving as Dispersion Area per SD-B (Ci=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
	19	Average Mature Tree Canopy Diameter											ft
	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
Initial Runoff Factor Calculation	22	Total Tributary Area	53,094	38,775	33,751	22,444	34,646	16,572	32,205	28,453	41,839	38,813	sq-ft
	23	Initial Runoff Factor for Standard Drainage Areas	0.59	0.63	0.68	0.68	0.63	0.58	0.64	0.76	0.55	0.68	unitless
	24	Initial Runoff Factor for Dispersed & Dispersion Areas	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	unitless
	25	Initial Weighted Runoff Factor	0.59	0.63	0.68	0.68	0.63	0.58	0.64	0.76	0.55	0.68	unitless
	26	Initial Design Capture Volume	1,618	1,262	1,186	789	1,128	497	1,065	1,117	1,189	1,364	cubic-feet
Dispersion Area Adjustments	27	Total Impervious Area Dispersed to Pervious Surface	320	220	220	110	220	100	220	150	260	200	sq-ft
	28	Total Pervious Dispersion Area	160	110	110	55	110	50	110	75	130	100	sq-ft
	29	Ratio of Dispersed Impervious Area to Pervious Dispersion Area	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	ratio
	30	Adjustment Factor for Dispersed & Dispersion Areas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	31	Runoff Factor After Dispersion Techniques	0.58	0.62	0.67	0.67	0.62	0.57	0.63	0.75	0.54	0.67	unitless
	32	Design Capture Volume After Dispersion Techniques	1,591	1,242	1,168	777	1,110	488	1,048	1,103	1,167	1,344	cubic-feet
Tree & Barrel Adjustments	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Results	35	Final Adjusted Runoff Factor	0.58	0.62	0.67	0.67	0.62	0.57	0.63	0.75	0.54	0.67	unitless
	36	Final Effective Tributary Area	30,795	24,041	22,613	15,037	21,481	9,446	20,289	21,340	22,593	26,005	sq-ft
	37	Initial Design Capture Volume Retained by Site Design Elements	27	20	18	12	18	9	17	14	22	20	cubic-feet
	38	Final Design Capture Volume Tributary to BMP	1,591	1,242	1,168	777	1,110	488	1,048	1,103	1,167	1,344	cubic-feet

No Warning Messages

Automated Worksheet B.1: Calculation of Design Capture Volume (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Standard Drainage Basin Inputs	1	Drainage Basin ID or Name	DMA 11										unitless
	2	85th Percentile 24-hr Storm Depth	0.62										inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	11,260										sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)											sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)											sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)	9,227										sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)											sq-ft
Dispersion Area, Tree Well & Rain Barrel Inputs (Optional)	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	Yes										yes/no
	11	Impervious Surfaces Directed to Dispersion Area per SD-B (Ci=0.90)	150										sq-ft
	12	Semi-Pervious Surfaces Serving as Dispersion Area per SD-B (Ci=0.30)											sq-ft
	13	Engineered Pervious Surfaces Serving as Dispersion Area per SD-B (Ci=0.10)	75										sq-ft
	14	Natural Type A Soil Serving as Dispersion Area per SD-B (Ci=0.10)											sq-ft
	15	Natural Type B Soil Serving as Dispersion Area per SD-B (Ci=0.14)											sq-ft
	16	Natural Type C Soil Serving as Dispersion Area per SD-B (Ci=0.23)											sq-ft
	17	Natural Type D Soil Serving as Dispersion Area per SD-B (Ci=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
	19	Average Mature Tree Canopy Diameter											ft
	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
Initial Runoff Factor Calculation	22	Total Tributary Area	20,712	0	0	0	0	0	0	0	0	0	sq-ft
	23	Initial Runoff Factor for Standard Drainage Areas	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	24	Initial Runoff Factor for Dispersed & Dispersion Areas	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	25	Initial Weighted Runoff Factor	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	26	Initial Design Capture Volume	578	0	0	0	0	0	0	0	0	0	cubic-feet
Dispersion Area Adjustments	27	Total Impervious Area Dispersed to Pervious Surface	150	0	0	0	0	0	0	0	0	0	sq-ft
	28	Total Pervious Dispersion Area	75	0	0	0	0	0	0	0	0	0	sq-ft
	29	Ratio of Dispersed Impervious Area to Pervious Dispersion Area	2.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	30	Adjustment Factor for Dispersed & Dispersion Areas	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	31	Runoff Factor After Dispersion Techniques	0.53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	unitless
	32	Design Capture Volume After Dispersion Techniques	567	0	0	0	0	0	0	0	0	0	cubic-feet
Tree & Barrel Adjustments	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Results	35	Final Adjusted Runoff Factor	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	36	Final Effective Tributary Area	10,977	0	0	0	0	0	0	0	0	0	sq-ft
	37	Initial Design Capture Volume Retained by Site Design Elements	11	0	0	0	0	0	0	0	0	0	cubic-feet
	38	Final Design Capture Volume Tributary to BMP	567	0	0	0	0	0	0	0	0	0	cubic-feet

No Warning Messages

Automated Worksheet B.2: Retention Requirements (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Basic Analysis	1	Drainage Basin ID or Name	DMA 1	DMA 2	DMA 3	DMA 4	DMA 5	DMA 6	DMA 7	DMA 8	DMA 9	DMA 10	unitless
	2	85th Percentile Rainfall Depth	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	inches
	3	Predominant NRCS Soil Type Within BMP Location	D	D	D	D	D	D	D	D	D	D	unitless
	4	Is proposed BMP location Restricted or Unrestricted for Infiltration Activities?	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	unitless
	5	Nature of Restriction	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	unitless
	6	Do Minimum Retention Requirements Apply to this Project?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	7	Are Habitable Structures Greater than 9 Stories Proposed?	No	No	No	No	No	No	No	No	No	No	yes/no
Advanced Analysis	8	Has Geotechnical Engineer Performed an Infiltration Analysis?	No	No	No	No	No	No	No	No	No	No	yes/no
	9	Design Infiltration Rate Recommended by Geotechnical Engineer											in/hr
Result	10	Design Infiltration Rate Used To Determine Retention Requirements	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	in/hr
	11	Percent of Average Annual Runoff that Must be Retained within DMA	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	percentage
	12	Fraction of DCV Requiring Retention	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	ratio
	13	Required Retention Volume	16	12	12	8	11	5	10	11	12	13	cubic-feet

No Warning Messages

Automated Worksheet B.2: Retention Requirements (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Basic Analysis	1	Drainage Basin ID or Name	DMA 11	-	-	-	-	-	-	-	-	-	unitless
	2	85th Percentile Rainfall Depth	0.62	-	-	-	-	-	-	-	-	-	inches
	3	Predominant NRCS Soil Type Within BMP Location	D										unitless
	4	Is proposed BMP location Restricted or Unrestricted for Infiltration Activities?	Restricted										unitless
	5	Nature of Restriction	n/a										unitless
	6	Do Minimum Retention Requirements Apply to this Project?	Yes										yes/no
	7	Are Habitable Structures Greater than 9 Stories Proposed?	No										yes/no
Advanced Analysis	8	Has Geotechnical Engineer Performed an Infiltration Analysis?	No										yes/no
	9	Design Infiltration Rate Recommended by Geotechnical Engineer											in/hr
Result	10	Design Infiltration Rate Used To Determine Retention Requirements	0.000	-	-	-	-	-	-	-	-	-	in/hr
	11	Percent of Average Annual Runoff that Must be Retained within DMA	1.5%	-	-	-	-	-	-	-	-	-	percentage
	12	Fraction of DCV Requiring Retention	0.01	-	-	-	-	-	-	-	-	-	ratio
	13	Required Retention Volume	6	-	-	-	-	-	-	-	-	-	cubic-feet

No Warning Messages

Automated Worksheet B.3: BMP Performance (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
BMP Inputs	1	Drainage Basin ID or Name	DMA 1	DMA 2	DMA 3	DMA 4	DMA 5	DMA 6	DMA 7	DMA 8	DMA 9	DMA 10	sq-ft
	2	Design Infiltration Rate Recommended	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	in/hr
	3	Design Capture Volume Tributary to BMP	1,591	1,242	1,168	777	1,110	488	1,048	1,103	1,167	1,344	cubic-feet
	4	Is BMP Vegetated or Unvegetated?											unitless
	5	Is BMP Impermeably Lined or Unlined?											unitless
	6	Does BMP Have an Underdrain?											unitless
	7	Does BMP Utilize Standard or Specialized Media?											unitless
	8	Provided Surface Area											sq-ft
	9	Provided Surface Ponding Depth											inches
	10	Provided Soil Media Thickness											inches
	11	Provided Gravel Thickness (Total Thickness)											inches
	12	Underdrain Offset											inches
	13	Diameter of Underdrain or Hydromod Orifice (Select Smallest)											inches
	14	Specialized Soil Media Filtration Rate											in/hr
	15	Specialized Soil Media Pore Space for Retention											unitless
	16	Specialized Soil Media Pore Space for Biofiltration											unitless
	17	Specialized Gravel Media Pore Space											unitless
Retention Calculations	18	Volume Infiltrated Over 6 Hour Storm	0	0	0	0	0	0	0	0	0	0	cubic-feet
	19	Ponding Pore Space Available for Retention	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	20	Soil Media Pore Space Available for Retention	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	unitless
	21	Gravel Pore Space Available for Retention (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	22	Gravel Pore Space Available for Retention (Below Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	23	Effective Retention Depth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	24	Fraction of DCV Retained (Independent of Drawdown Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	25	Calculated Retention Storage Drawdown Time	0	0	0	0	0	0	0	0	0	0	hours
	26	Efficacy of Retention Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	27	Volume Retained by BMP (Considering Drawdown Time)	0	0	0	0	0	0	0	0	0	0	cubic-feet
	28	Design Capture Volume Remaining for Biofiltration	1,591	1,242	1,168	777	1,110	488	1,048	1,103	1,167	1,344	cubic-feet
Biofiltration Calculations	29	Max Hydromod Flow Rate through Underdrain	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	cfs
	30	Max Soil Filtration Rate Allowed by Underdrain Orifice	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	31	Soil Media Filtration Rate per Specifications	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	32	Soil Media Filtration Rate to be used for Sizing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	33	Depth Biofiltered Over 6 Hour Storm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	34	Ponding Pore Space Available for Biofiltration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	35	Soil Media Pore Space Available for Biofiltration	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	unitless
	36	Gravel Pore Space Available for Biofiltration (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	37	Effective Depth of Biofiltration Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	38	Drawdown Time for Surface Ponding	0	0	0	0	0	0	0	0	0	0	hours
	39	Drawdown Time for Effective Biofiltration Depth	0	0	0	0	0	0	0	0	0	0	hours
	40	Total Depth Biofiltered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	41	Option 1 - Biofilter 1.50 DCV: Target Volume	2,387	1,863	1,752	1,166	1,665	732	1,572	1,655	1,751	2,016	cubic-feet
	42	Option 1 - Provided Biofiltration Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	43	Option 2 - Store 0.75 DCV: Target Volume	1,193	932	876	583	833	366	786	827	875	1,008	cubic-feet
	44	Option 2 - Provided Storage Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	45	Portion of Biofiltration Performance Standard Satisfied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
Result	46	Do Site Design Elements and BMPs Satisfy Annual Retention Requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	47	Overall Portion of Performance Standard Satisfied (BMP Efficacy Factor)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	48	Deficit of Effectively Treated Stormwater	-1,591	-1,242	-1,168	-777	-1,110	-488	-1,048	-1,103	-1,167	-1,344	cubic-feet

Attention!

Minimum retention is met with Site Design BMPs, Stormwater treatment is addressed with Flow Based proprietary biofiltration BMPs

-This BMP does not fully satisfy the performance standards for pollutant control for the drainage area.

Automated Worksheet B.3: BMP Performance (V2.0)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
BMP Inputs	1	Drainage Basin ID or Name	DMA 11	-	-	-	-	-	-	-	-	-	sq-ft
	2	Design Infiltration Rate Recommended	0.000	-	-	-	-	-	-	-	-	-	in/hr
	3	Design Capture Volume Tributary to BMP	567	-	-	-	-	-	-	-	-	-	cubic-feet
	4	Is BMP Vegetated or Unvegetated?											unitless
	5	Is BMP Impermeably Lined or Unlined?											unitless
	6	Does BMP Have an Underdrain?											unitless
	7	Does BMP Utilize Standard or Specialized Media?											unitless
	8	Provided Surface Area											sq-ft
	9	Provided Surface Ponding Depth											inches
	10	Provided Soil Media Thickness											inches
	11	Provided Gravel Thickness (Total Thickness)											inches
	12	Underdrain Offset											inches
	13	Diameter of Underdrain or Hydromod Orifice (Select Smallest)											inches
	14	Specialized Soil Media Filtration Rate											in/hr
	15	Specialized Soil Media Pore Space for Retention											unitless
	16	Specialized Soil Media Pore Space for Biofiltration											unitless
	17	Specialized Gravel Media Pore Space											unitless
Retention Calculations	18	Volume Infiltrated Over 6 Hour Storm	0	0	0	0	0	0	0	0	0	0	cubic-feet
	19	Ponding Pore Space Available for Retention	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	20	Soil Media Pore Space Available for Retention	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	unitless
	21	Gravel Pore Space Available for Retention (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	22	Gravel Pore Space Available for Retention (Below Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	23	Effective Retention Depth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	24	Fraction of DCV Retained (Independent of Drawdown Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	25	Calculated Retention Storage Drawdown Time	0	0	0	0	0	0	0	0	0	0	hours
	26	Efficacy of Retention Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	27	Volume Retained by BMP (Considering Drawdown Time)	0	0	0	0	0	0	0	0	0	0	cubic-feet
	28	Design Capture Volume Remaining for Biofiltration	567	0	0	0	0	0	0	0	0	0	cubic-feet
Biofiltration Calculations	29	Max Hydromod Flow Rate through Underdrain	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	cfs
	30	Max Soil Filtration Rate Allowed by Underdrain Orifice	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	31	Soil Media Filtration Rate per Specifications	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	32	Soil Media Filtration Rate to be used for Sizing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	in/hr
	33	Depth Biofiltered Over 6 Hour Storm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	34	Ponding Pore Space Available for Biofiltration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	35	Soil Media Pore Space Available for Biofiltration	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	unitless
	36	Gravel Pore Space Available for Biofiltration (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	37	Effective Depth of Biofiltration Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	38	Drawdown Time for Surface Ponding	0	0	0	0	0	0	0	0	0	0	hours
	39	Drawdown Time for Effective Biofiltration Depth	0	0	0	0	0	0	0	0	0	0	hours
	40	Total Depth Biofiltered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	41	Option 1 - Biofilter 1.50 DCV: Target Volume	851	0	0	0	0	0	0	0	0	0	cubic-feet
	42	Option 1 - Provided Biofiltration Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	43	Option 2 - Store 0.75 DCV: Target Volume	425	0	0	0	0	0	0	0	0	0	cubic-feet
	44	Option 2 - Provided Storage Volume	0	0	0	0	0	0	0	0	0	0	cubic-feet
	45	Portion of Biofiltration Performance Standard Satisfied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
Result	46	Do Site Design Elements and BMPs Satisfy Annual Retention Requirements?	Yes	-	-	-	-	-	-	-	-	-	yes/no
	47	Overall Portion of Performance Standard Satisfied (BMP Efficacy Factor)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	48	Deficit of Effectively Treated Stormwater	-567	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	cubic-feet

Attention!

Minimum retention is met with Site Design BMPs, Stormwater treatment is addressed with Flow Based proprietary biofiltration BMPs

-This BMP does not fully satisfy the performance standards for pollutant control for the drainage area.

T.A.P.E. CERTIFICATE

September 2019

GENERAL USE LEVEL DESIGNATION FOR BASIC (TSS), ENHANCED, PHOSPHORUS & OIL TREATMENT

For

CONTECH Engineered Solutions Filterra®

Ecology's Decision:

Based on Contech's submissions, including the Final Technical Evaluation Reports, dated August 2019, March 2014, December 2009, and additional information provided to Ecology dated October 9, 2009, Ecology hereby issues the following use level designations:

1. A General Use Level Designation for Basic, Enhanced, Phosphorus, and Oil Treatment for the Filterra® system constructed with a minimum media thickness of 21 inches (1.75 feet), at the following water quality design hydraulic loading rates:

Treatment	Infiltration Rate (in/hr) for use in Sizing
Basic	175
Phosphorus	100
Oil	50
Enhanced	175

2. The Filterra is not appropriate for oil spill-control purposes.
3. Ecology approves Filterra systems for treatment at the hydraulic loading rates listed above, to achieve the maximum water quality design flow rate. Calculate the water quality design flow rates using the following procedures:

- Western Washington: for treatment installed upstream of detention or retention, the water quality design flow rate is the peak 15-minute flow rate as calculated using the latest version of the Western Washington Hydrology Model or other Ecology-approved continuous runoff model.
- Eastern Washington: For treatment installed upstream of detention or retention, the water quality design flow rate is the peak 15-minute flow rate as calculated using one of the three flow rate based methods described in Chapter 2.2.5 of the Stormwater Management Manual for Eastern Washington (SWMMEW) or local manual.
- Entire State: For treatment installed downstream of detention, the water quality design flow rate is the full 2-year release rate of the detention facility.

4. This General Use Level Designation has no expiration date, but Ecology may revoke or amend the designation, and is subject to the conditions specified below.

Ecology's Conditions of Use:

Filterra systems shall comply with these conditions shall comply with the following conditions:

1. Design, assemble, install, operate, and maintain the Filterra systems in accordance with applicable Contech Filterra manuals and this Ecology Decision.
2. The minimum size filter surface-area for use in Washington is determined by using the design water quality flow rate (as determined in this Ecology Decision, Item 3, above) and the Infiltration Rate from the table above (use the lowest applicable Infiltration Rate depending on the level of treatment required). Calculate the required area by dividing the water quality design flow rate (cu-ft/sec) by the Infiltration Rate (converted to ft/sec) to obtain required surface area (sq-ft) of the Filterra unit.
3. Each site plan must undergo Contech Filterra review before Ecology can approve the unit for site installation. This will ensure that design parameters including site grading and slope are appropriate for use of a Filterra unit.
4. Filterra media shall conform to the specifications submitted to and approved by Ecology and shall be sourced from Contech Engineered Solutions, LLC with no substitutions.
5. Maintenance includes removing trash, degraded mulch, and accumulated debris from the filter surface and replacing the mulch layer. Use inspections to determine the site-specific maintenance schedules and requirements. Follow maintenance procedures given in the most recent version of the Filterra Operation and Maintenance Manual.
6. Maintenance: The required maintenance interval for stormwater treatment devices is often dependent upon the degree of pollutant loading from a particular drainage basin. Therefore, Ecology does not endorse or recommend a "one size fits all" maintenance cycle for a particular model/size of manufactured treatment device.

    - Contech designs Filterra systems for a target maintenance interval of 6 months in the Pacific Northwest. Maintenance includes removing and replacing the mulch layer above the media along with accumulated sediment, trash, and captured organic materials therein, evaluating plant health, and pruning the plant if deemed necessary.
    - Conduct maintenance following manufacturer's guidelines.

7. Filterra systems come in standard sizes.

8. Install the Filterra in such a manner that flows exceeding the maximum Filterra operating rate are conveyed around the Filterra mulch and media and will not resuspend captured sediment.
9. Discharges from the Filterra units shall not cause or contribute to water quality standards violations in receiving waters.

Approved Alternate Configurations

Filterra Internal Bypass - Pipe (FTIB-P)

1. The Filterra® Internal Bypass – Pipe allows for piped-in flow from area drains, grated inlets, trench drains, and/or roof drains. Design capture flows and peak flows enter the structure through an internal slotted pipe. Filterra® inverted the slotted pipe to allow design flows to drop through to a series of splash plates that then disperse the design flows over the top surface of the Filterra® planter area. Higher flows continue to bypass the slotted pipe and convey out the structure.
2. To select a FTIB-P unit, the designer must determine the size of the standard unit using the sizing guidance described above.

Filterra Internal Bypass – Curb (FTIB-C)

1. The Filterra® Internal Bypass –Curb model (FTIB-C) incorporates a curb inlet, biofiltration treatment chamber, and internal high flow bypass in one single structure. Filterra® designed the FTIB-C model for use in a "Sag" or "Sump" condition and will accept flows from both directions along a gutter line. An internal flume tray weir component directs treatment flows entering the unit through the curb inlet to the biofiltration treatment chamber. Flows in excess of the water quality treatment flow rise above the flume tray weir and discharge through a standpipe orifice; providing bypass of untreated peak flows. Americast manufactures the FTIB-C model in a variety of sizes and configurations and you may use the unit on a continuous grade when a single structure providing both treatment and high flow bypass is preferred. The FTIB-C model can also incorporate a separate junction box chamber to allow larger diameter discharge pipe connections to the structure.
2. To select a FTIB-C unit, the designer must determine the size of the standard unit using the sizing guidance described above.

Filterra® Shallow

1. The Filterra Shallow provides additional flexibility for design engineers and designers in situations where various elevation constraints prevent application of a standard Filterra configuration. Engineers can design this system up to six inches shallower than any of the previous Filterra unit configurations noted above.
2. Ecology requires that the Filterra Shallow provide a media contact time equivalent to that of the standard unit. This means that with a smaller depth of media, the surface area must increase.
3. To select a Filterra Shallow System unit, the designer must first identify the size of the standard unit using the modeling guidance described above.
4. Once the size of the standard Filterra unit is established using the sizing technique described above, use information from the following table to select the appropriate size Filterra Shallow System unit.

Shallow Unit Basic, Enhanced, and Oil Treatment Sizing

Standard Depth	Equivalent Shallow Depth
4x4	4x6 or 6x4
4x6 or 6x4	6x6
4x8 or 8x4	6x8 or 8x6
6x6	6x10 or 10x6
6x8 or 8x6	6x12 or 12x6
6x10 or 10x6	13x7

Notes:
1. Shallow Depth Boxes are less than the standard depth of 3.5 feet but no less than 3.0 feet deep (TC to INV).

Applicant: Contech Engineered Solutions, LLC.

Applicant's Address: 11815 NE Glenn Widing Drive
Portland, OR 97220

Application Documents:

- State of Washington Department of Ecology Application for Conditional Use Designation, Americast (September 2006)
- Quality Assurance Project Plan Filterra® Bioretention Filtration System Performance Monitoring, Americast (April 2008)
- Quality Assurance Project Plan Addendum Filterra® Bioretention Filtration System Performance Monitoring, Americast (June 2008)
- Draft Technical Evaluation Report Filterra® Bioretention Filtration System Performance Monitoring, Americast (August 2009)
- Final Technical Evaluation Report Filterra® Bioretention Filtration System Performance Monitoring, Americast (December 2009)
- Technical Evaluation Report Appendices Filterra® Bioretention Filtration System Performance Monitoring, Americast, (August 2009)
- Memorandum to Department of Ecology Dated October 9, 2009 from Americast, Inc. and Herrera Environmental Consultants
- Quality Assurance Project Plan Filterra® Bioretention System Phosphorus treatment and Supplemental Basic and Enhanced Treatment Performance Monitoring, Americast (November 2011)
- Filterra® letter August 24, 2012 regarding sizing for the Filterra® Shallow System.
- University of Virginia Engineering Department Memo by Joanna Crowe Curran, Ph. D dated March 16, 2013 concerning capacity analysis of Filterra® internal weir inlet tray.
- Terraphase Engineering letter to Jodi Mills, P.E. dated April 2, 2013 regarding Terraflume Hydraulic Test, Filterra® Bioretention System and attachments.
- Technical Evaluation Report, Filterra® System Phosphorus Treatment and Supplemental Basic Treatment Performance Monitoring. March 27th, 2014.
- State of Washington Department of Ecology Application for Conditional Use Level Designation, Contech Engineered Solutions (May 2015)

- Quality Assurance Project Plan Filterra® Bioretention System, Contech Engineered Solutions (May 2015)
- Filterra Bioretention System Armco Avenue General Use Level Designation Technical Evaluation Report, Contech Engineered Solutions (August 2019)

Applicant's Use Level Request:

General Level Use Designation for Basic (175 in/hr), Enhanced (175 in/hr), Phosphorus (100 in/hr), and Oil Treatment (50 in/hr).

Applicant's Performance Claims:

Field-testing and laboratory testing show that the Filterra® unit is promising as a stormwater treatment best management practice and can meet Ecology's performance goals for basic, enhanced, phosphorus, and oil treatment.

Findings of Fact:

Field Testing 2015-2019

1. Contech completed field testing of a 4 ft. x 4 ft. Filterra® unit at one site in Hillsboro, Oregon from September 2015 to July 2019. Throughout the monitoring period a total of 24 individual storm events were sampled, of which 23 qualified for TAPE sampling criteria.
2. Contech encountered several unanticipated events and challenges that prevented them from collecting continuous flow and rainfall data. An analysis of the flow data from the sampled events, including both the qualifying and non-qualifying events, demonstrated the system treated over 99 % of the influent flows. Peak flows during these events ranged from 25 % to 250 % of the design flow rate of 29 gallons per minute.
3. Of the 23 TAPE qualified sample events, 13 met requirements for TSS analysis. Influent concentrations ranged from 20.8 mg/L to 83 mg/L, with a mean concentration of 46.3 mg/L. The UCL95 mean effluent concentration was 15.9 mg/L, meeting the 20 mg/L performance goal for Basic Treatment.
4. All 23 TAPE qualified sample events met requirements for dissolved zinc analysis. Influent concentrations range from 0.0384 mg/L to 0.2680 mg/L, with a mean concentration of 0.0807 mg/L. The LCL 95 mean percent removal was 62.9 %, meeting the 60 % performance goal for Enhanced Treatment.
5. Thirteen of the 23 TAPE qualified sample events met requirements for dissolved copper analysis. Influent concentrations ranged from 0.00543 mg/L to 0.01660 mg/L, with a mean concentration of 0.0103 mg/L. The LCL 95 mean percent removal was 41.2 %, meeting the 30 % performance goal for Enhanced Treatment.
6. Total zinc concentrations were analyzed for all 24 sample events. Influent EMCs for total zinc ranged from 0.048 mg/L to 5.290 mg/L with a median of 0.162 mg/L. Corresponding effluent EMCs for total zinc ranged from 0.015 mg/L to 0.067 mg/L with a median of

0.029 mg/L. Total event loadings for the study for total zinc were 316.85 g at the influent and 12.92 g at the effluent sampling location, resulting in a summation of loads removal efficiency of 95.9 %.

7. Total copper concentrations were analyzed for all 24 sample events. Influent EMCs for total copper ranged from 0.003 mg/L to 35.600 mg/L with a median value of 0.043 mg/L. Corresponding effluent EMCs for total copper ranged from 0.002 mg/L to 0.015 mg/L with a median of 0.004 mg/L. Total event loadings for total copper for the study were 1,810.06 g at the influent and 1.90 g at the effluent sampling location, resulting in a summation of loads removal efficiency of 99.9 %.

Field Testing 2013

1. Filterra completed field-testing of a 6.5 ft x 4 ft. unit at one site in Bellingham, Washington. Continuous flow and rainfall data collected from January 1, 2013 through July 23, 2013 indicated that 59 storm events occurred. Water quality data was obtained from 22 storm events. Not all the sampled storms produced information that met TAPE criteria for storm and/or water quality data.
2. The system treated 98.9 % of the total 8-month runoff volume during the testing period. Consequently, the system achieved the goal of treating 91 % of the volume from the site. Stormwater runoff bypassed Filterra treatment during four of the 59 storm events.
3. Of the 22 sampled events, 18 qualified for TSS analysis (influent TSS concentrations ranged from 25 to 138 mg/L). The data were segregated into sample pairs with influent concentration greater than and less than 100 mg/L. The UCL95 mean effluent concentration for the data with influent less than 100 mg/L was 5.2 mg/L, below the 20-mg/L threshold. Although the TAPE guidelines do not require an evaluation of TSS removal efficiency for influent concentrations below 100 mg/L, the mean TSS removal for these samples was 90.1 %. Average removal of influent TSS concentrations greater than 100 mg/L (three events) was 85 %. In addition, the system consistently exhibited TSS removal greater than 80 % at flow rates equivalent to a 100 in/hr infiltration rate and was observed at 150 in/hr.
4. Ten of the 22 sampled events qualified for TP analysis. Americast augmented the dataset using two sample pairs from previous monitoring at the site. Influent TP concentrations ranged from 0.11 to 0.52 mg/L. The mean TP removal for these twelve events was 72.6 %. The LCL95 mean percent removal was 66.0, well above the TAPE requirement of 50 %. Treatment above 50 % was evident at 100 in/hr infiltration rate and as high as 150 in/hr. Consequently, the Filterra test system met the TAPE Phosphorus Treatment goal at 100 in/hr. Influent ortho-P concentrations ranged from 0.005 to 0.012 mg/L; effluent ortho-P concentrations ranged from 0.005 to 0.013 mg/L. The reporting limit/resolution for the ortho-P test method is 0.01 mg/L, therefore the influent and effluent ortho-P concentrations were both at and near non-detect concentrations.

Field Testing 2008-2009

1. Filterra completed field-testing at two sites at the Port of Tacoma. Continuous flow and rainfall data collected during the 2008-2009 monitoring period indicated that 89 storm events occurred. The monitoring obtained water quality data from 27 storm events. Not all the sampled storms produced information that met TAPE criteria for storm and/or water quality data.
2. During the testing at the Port of Tacoma, 98.96 to 99.89 % of the annual influent runoff volume passed through the POT1 and POT2 test systems respectively. Stormwater runoff bypassed the POT1 test system during nine storm events and bypassed the POT2 test system during one storm event. Bypass volumes ranged from 0.13 % to 15.3% of the influent storm volume. Both test systems achieved the 91 % water quality treatment-goal over the 1-year monitoring period.
3. Consultants observed infiltration rates as high as 133 in/hr during the various storms. Filterra did not provide any paired data that identified percent removal of TSS, metals, oil, or phosphorus at an instantaneous observed flow rate.
4. The maximum storm average hydraulic loading rate associated with water quality data is <40 in/hr, with the majority of flow rates < 25 in/hr. The average instantaneous hydraulic loading rate ranged from 8.6 to 53 in/hr.
5. The field data showed a removal rate greater than 80 % for TSS with an influent concentration greater than 20 mg/L at an average instantaneous hydraulic loading rate up to 53 in/hr (average influent concentration of 28.8 mg/L, average effluent concentration of 4.3 mg/L).
6. The field data showed a removal rate generally greater than 54 % for dissolved zinc at an average instantaneous hydraulic loading rate up to 60 in/hr and an average influent concentration of 0.266 mg/L (average effluent concentration of 0.115 mg/L).
7. The field data showed a removal rate generally greater than 40 % for dissolved copper at an average instantaneous hydraulic loading rate up to 35 in/hr and an average influent concentration of 0.0070 mg/L (average effluent concentration of 0.0036 mg/L).
8. The field data showed an average removal rate of 93 % for total petroleum hydrocarbon (TPH) at an average instantaneous hydraulic loading rate up to 53 in/hr and an average influent concentration of 52 mg/L (average effluent concentration of 2.3 mg/L). The data also shows achievement of less than 15 mg/L TPH for grab samples. Filterra provided limited visible sheen data due to access limitations at the outlet monitoring location.
9. The field data showed low percentage removals of total phosphorus at all storm flows at an average influent concentration of 0.189 mg/L (average effluent concentration of 0.171 mg/L). We may relate the relatively poor treatment performance of the Filterra system at this location to influent characteristics for total phosphorus that are unique to the Port of Tacoma site. It appears that the Filterra system will not meet the 50 % removal performance goal when the majority of phosphorus in the runoff is expected to be in the dissolved form.

Laboratory Testing

1. Filterra performed laboratory testing on a scaled down version of the Filterra unit. The lab data showed an average removal from 83-91 % for TSS with influents ranging from 21 to 320 mg/L, 82-84 % for total copper with influents ranging from 0.94 to 2.3 mg/L, and 50-61 % for orthophosphate with influents ranging from 2.46 to 14.37 mg/L.
2. Filterra conducted permeability tests on the soil media.
3. Lab scale testing using Sil-Co-Sil 106 showed removals ranging from 70.1 % to 95.5 % with a median removal of 90.7 %, for influent concentrations ranging from 8.3 to 260 mg/L. Filterra ran these laboratory tests at an infiltration rate of 50 in/hr.
4. Supplemental lab testing conducted in September 2009 using Sil-Co-Sil 106 showed an average removal of 90.6 %. These laboratory tests were run at infiltration rates ranging from 25 to 150 in/hr for influent concentrations ranging from 41.6 to 252.5 mg/L. Regression analysis results indicate that the Filterra system's TSS removal performance is independent of influent concentration in the concentration rage evaluated at hydraulic loading rates of up to 150 in/hr.

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Date	**Revision**
December 2009	GULD for Basic, Enhanced, and Oil granted, CULD for Phosphorus
September 2011	Extended CULD for Phosphorus Treatment
September 2012	Revised design storm discussion, added Shallow System.
January 2013	Revised format to match Ecology standards, changed Filterra contact information
February 2013	Added FTIB-P system
March 2013	Added FTIB-C system
April 2013	Modified requirements for identifying appropriate size of unit

June 2013	Modified description of FTIB-C alternate configuration
March 2014	GULD awarded for Phosphorus Treatment. GULD updated for a higher flow-rate for Basic Treatment.
June 2014	Revised sizing calculation methods
March 2015	Revised Contact Information
June 2015	CULD for Basic and Enhanced at 100 in/hr infiltration rate
September 2019	GULD for Basic and Enhanced at 175 in/hr infiltration rate

Attachment 1b

Categorization of Infiltration Feasibility Condition	Form I-8

Part 1 - Full Infiltration Feasibility Screening Criteria

Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
1	**Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		X

Provide basis: Please refer to the Geotechnical Investigation, dated June 15, 2022 for our storm water evaluation. Based on results of permeability testing, the unfactored infiltration rate was measured to be 0.07 inches/hour using a constant head borehole permeameter. If applying a feasibility factor of safety of 2.0, the infiltration rate would be 0.036 iph, which is less than the required threshold value of 0.5 iph. The USDA NRCS web soil survey website indicates the majority of the underlying soils belong to Placentia sandy loam (PfC) which is identified as Hydrologic Soil Group D, which is not conducive to infiltration BMP's. Information collected from the USDA website is attached. The downhole permeameter test results are attached. In accordance with the Riverside County storm water procedures, which reference the United States Bureau of Reclamation Well Permeameter Method (USBR 7300), the saturated hydraulic conductivity is equal to the unfactored infiltration rate.

2	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.		X

Provide basis:

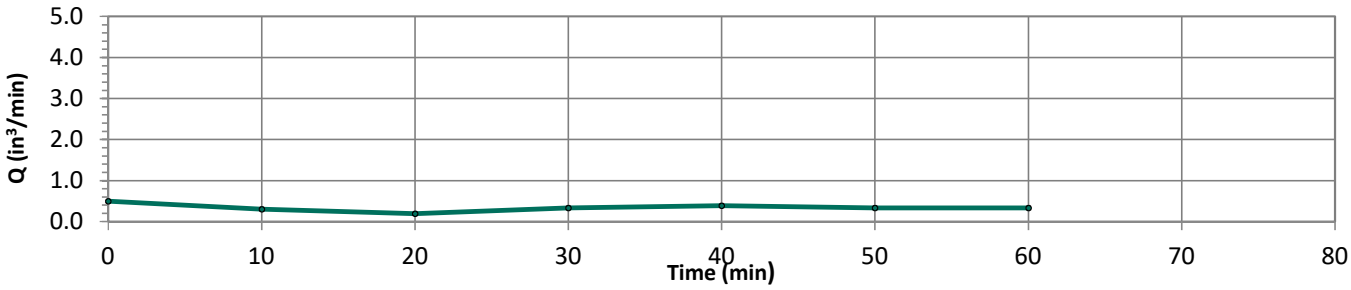
No slopes greater than 25% are proposed in the vicinity of the proposed basins, a liquefaction potential is very low to negligible, and the landslide potential is very low to negligible. However, the potential for lateral water migration to adversely impact existing and proposed utilities, adversely impact proposed foundations and improvements is high. Compacted fill will be placed across the property and result in fills greater than 5 feet thick. Infiltration BMP's founded in compacted fill should be avoided to prevent adverse shrinking/swelling of the expansive soils, and adverse hydro-consolidation of the granular fill soils which causes differential settlement. The underlying Terrace Deposits and Friars Formation consists of stiff to very stiff clay that will also not percolate into the ground and water would migrate laterally.

TEST NO.: **I-I** GEOLOGIC UNIT: **Qt**

EXCAVATION ELEVATION (MSL, FT): **449**

TEST INFORMATION	
BOREHOLE DIAMETER (IN):	4
BOREHOLE DEPTH (FT):	2.7
TEST/BOTTOM ELEVATION (MSL, FT):	446
MEASURED HEAD HEIGHT (IN):	5.5
CALCULATED HEAD HEIGHT (IN):	5.9
FACTOR OF SAFETY:	2.0

TEST RESULTS	
STEADY FLOW RATE (IN^3/MIN):	**0.332**
FIELD-SATURATED INFILTRATION RATE (IN/HR):	**0.071**
FACTORED INFILTRATION RATE (IN/HR):	**0.036**



TEST DATA				
Reading	Time Elapsed (min)	Water Weight Consumed (lbs)	Water Volume Consumed (in^3)	Q (in^3/min)
1	0.00	0.000	0.00	0.00
2	10.00	0.180	4.98	0.498
3	10.00	0.110	3.05	0.305
4	10.00	0.070	1.94	0.194
5	10.00	0.120	3.32	0.332
6	10.00	0.140	3.88	0.388
7	10.00	0.120	3.32	0.332
8	10.00	0.120	3.32	0.332

GEOCON
INCORPORATED
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DOWNHOLE PERMEAMETER TEST RESULTS

OAK KNOLL, POWAY, CA

PROJECT NO.: G2746-32-02

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll North, Poway

June 8, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,590 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	0.1	1.2%
OhC	Olivenhain cobbly loam, 2 to 9 percent slopes	1.5	19.8%
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	5.8	79.0%
Totals for Area of Interest		**7.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

CmE2—Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded

Map Unit Setting

National map unit symbol: hb9t
Elevation: 500 to 4,000 feet
Mean annual precipitation: 8 to 35 inches
Mean annual air temperature: 45 to 64 degrees F
Frost-free period: 110 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Cieneba and similar soils: 60 percent
Rock outcrop: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cieneba

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from granite and granodiorite

Typical profile

H1 - 0 to 8 inches: coarse sandy loam
H2 - 8 to 12 inches: weathered bedrock

Properties and qualities

Slope: 9 to 30 percent
Depth to restrictive feature: 4 to 20 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 0.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R019XD060CA - SHALLOW LOAMY (1975)
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex

Typical profile
H1 - 0 to 4 inches: unweathered bedrock

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Vista
Percent of map unit: 5 percent
Hydric soil rating: No

Las posas
Percent of map unit: 5 percent
Hydric soil rating: No

OhC—Olivenhain cobbly loam, 2 to 9 percent slopes

Map Unit Setting
National map unit symbol: hbfb
Elevation: 100 to 600 feet
Mean annual precipitation: 14 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 290 to 330 days
Farmland classification: Not prime farmland

Map Unit Composition
Olivenhain and similar soils: 85 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Olivenhain

Setting
Landform: Marine terraces
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Gravelly alluvium derived from mixed sources

Typical profile
H1 - 0 to 10 inches: cobbly loam
H2 - 10 to 42 inches: very cobbly clay
H3 - 42 to 60 inches: cobbly clay loam

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Diablo

Percent of map unit: 4 percent
Hydric soil rating: No

Linne

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 2 percent
Landform: Depressions
Hydric soil rating: Yes

Huerhuero

Percent of map unit: 2 percent
Hydric soil rating: No

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent
Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

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United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll South, Poway, CA

June 8, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:410 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 5 10 20 30

Feet
0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slopes	0.4	73.4%
VaA	Visalia sandy loam, 0 to 2 percent slopes	0.2	26.6%
Totals for Area of Interest		**0.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent

Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

VaA—Visalia sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hbh2
Elevation: 600 to 1,200 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 57 degrees F
Frost-free period: 200 to 350 days
Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Visalia and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Visalia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Riser, flat
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 12 inches: sandy loam
H2 - 12 to 40 inches: fine sandy loam
H3 - 40 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare

Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 2c
Hydrologic Soil Group: A
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Minor Components

Grangeville

Percent of map unit: 5 percent
Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent
Hydric soil rating: No

Placentia

Percent of map unit: 2 percent
Hydric soil rating: No

Tujunga

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed

Percent of map unit: 1 percent
Landform: Flood plains
Hydric soil rating: Yes

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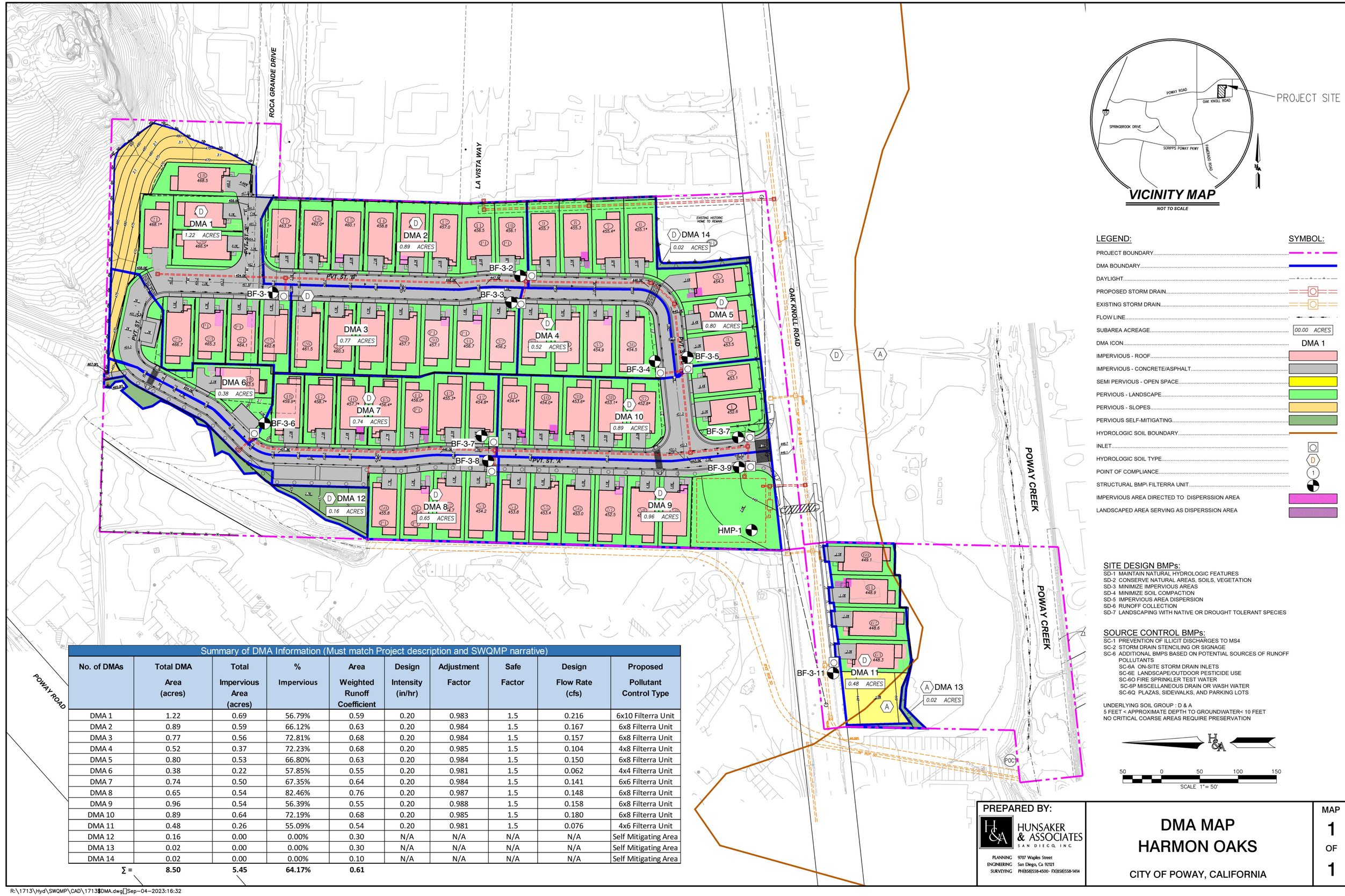
ATTACHMENT 1C

Use this checklist to ensure the required information has been included on the DMA Exhibit. Include checklist in submittal and check all boxes that are applicable. Provide justification for items not included.

The DMA Exhibit must identify:

☒ Underlying hydrologic soil group
☒ Approximate depth to groundwater
☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
☐ Critical coarse sediment yield areas to be protected
☒ Existing topography and impervious areas
☒ Existing and proposed site drainage network and connections to drainage offsite
☐ Proposed demolition
☒ Proposed grading
☒ Proposed impervious features
☒ Proposed design features and surface treatments used to minimize imperviousness
☒ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)
☒ Structural BMPs (identify location, structural BMP ID#, type of BMP, and size/detail)

Justification for items not included in DMA Exhibit:



LEGEND: SYMBOL:

- PROJECT BOUNDARY
- DMA BOUNDARY
- DAYLIGHT
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- FLOW LINE
- SUBAREA ACREAGE — 00.00 ACRES
- DMA ICON — DMA 1
- IMPERVIOUS - ROOF
- IMPERVIOUS - CONCRETE/ASPHALT
- SEMI PERVIOUS - OPEN SPACE
- PERVIOUS - LANDSCAPE
- PERVIOUS - SLOPES
- PERVIOUS SELF-MITIGATING
- HYDROLOGIC SOIL BOUNDARY
- INLET
- HYDROLOGIC SOIL TYPE
- POINT OF COMPLIANCE
- STRUCTURAL BMP\ FILTERRA UNIT
- IMPERVIOUS AREA DIRECTED TO DISPERSSION AREA
- LANDSCAPED AREA SERVING AS DISPERSSION AREA

SITE DESIGN BMPs:

SD-1 MAINTAIN NATURAL HYDROLOGIC FEATURES
SD-2 CONSERVE NATURAL AREAS, SOILS, VEGETATION
SD-3 MINIMIZE IMPERVIOUS AREAS
SD-4 MINIMIZE SOIL COMPACTION
SD-5 IMPERVIOUS AREA DISPERSION
SD-6 RUNOFF COLLECTION
SD-7 LANDSCAPING WITH NATIVE OR DROUGHT TOLERANT SPECIES

SOURCE CONTROL BMPs:

SC-1 PREVENTION OF ILLICIT DISCHARGES TO MS4
SC-2 STORM DRAIN STENCILING OR SIGNAGE
SC-6 ADDITIONAL BMPS BASED ON POTENTIAL SOURCES OF RUNOFF POLLUTANTS
SC-6A ON-SITE STORM DRAIN INLETS
SC-6E LANDSCAPE/OUTDOOR PESTICIDE USE
SC-6O FIRE SPRINKLER TEST WATER
SC-6P MISCELLANEOUS DRAIN OR WASH WATER
SC-6Q PLAZAS, SIDEWALKS, AND PARKING LOTS

UNDERLYING SOIL GROUP : D & A
5 FEET < APPROXIMATE DEPTH TO GROUNDWATER< 10 FEET
NO CRITICAL COARSE AREAS REQUIRE PRESERVATION

50 0 50 100 150
SCALE 1"= 50'

Summary of DMA Information (Must match Project description and SWQMP narrative)

No. of DMAs	Total DMA Area (acres)	Total Impervious Area (acres)	% Impervious	Area Weighted Runoff Coefficient	Design Intensity (in/hr)	Adjustment Factor	Safe Factor	Design Flow Rate (cfs)	Proposed Pollutant Control Type
DMA 1	1.22	0.69	56.79%	0.59	0.20	0.983	1.5	0.216	6x10 Filterra Unit
DMA 2	0.89	0.59	66.12%	0.63	0.20	0.984	1.5	0.167	6x8 Filterra Unit
DMA 3	0.77	0.56	72.81%	0.68	0.20	0.984	1.5	0.157	6x8 Filterra Unit
DMA 4	0.52	0.37	72.23%	0.68	0.20	0.985	1.5	0.104	4x8 Filterra Unit
DMA 5	0.80	0.53	66.80%	0.63	0.20	0.984	1.5	0.150	6x8 Filterra Unit
DMA 6	0.38	0.22	57.85%	0.55	0.20	0.981	1.5	0.062	4x4 Filterra Unit
DMA 7	0.74	0.50	67.35%	0.64	0.20	0.984	1.5	0.141	6x6 Filterra Unit
DMA 8	0.65	0.54	82.46%	0.76	0.20	0.987	1.5	0.148	6x8 Filterra Unit
DMA 9	0.96	0.54	56.39%	0.55	0.20	0.988	1.5	0.158	6x8 Filterra Unit
DMA 10	0.89	0.64	72.19%	0.68	0.20	0.985	1.5	0.180	6x8 Filterra Unit
DMA 11	0.48	0.26	55.09%	0.54	0.20	0.981	1.5	0.076	4x6 Filterra Unit
DMA 12	0.16	0.00	0.00%	0.30	N/A	N/A	N/A	N/A	Self Mitigating Area
DMA 13	0.02	0.00	0.00%	0.30	N/A	N/A	N/A	N/A	Self Mitigating Area
DMA 14	0.02	0.00	0.00%	0.10	N/A	N/A	N/A	N/A	Self Mitigating Area
Σ =	**8.50**	**5.45**	**64.17%**	**0.61**					

PREPARED BY:
HUNSAKER & ASSOCIATES SAN DIEGO, INC
PLANNING 9707 Waples Street
ENGINEERING San Diego, Ca 92121
SURVEYING PH(858)558-4500- FX(858)558-1414

DMA MAP
HARMON OAKS

CITY OF POWAY, CALIFORNIA

MAP 1 OF 1

W.O.# 2167-0225

R:\1713\Hyd\SWQMP\CAD\1713$DMA.dwg[]Sep-04-2023:16:32

Filterra Sizing Spreadsheet
San Diego Region
Uniform Intensity Approach
Storm Intensity = 0.20 in/hr

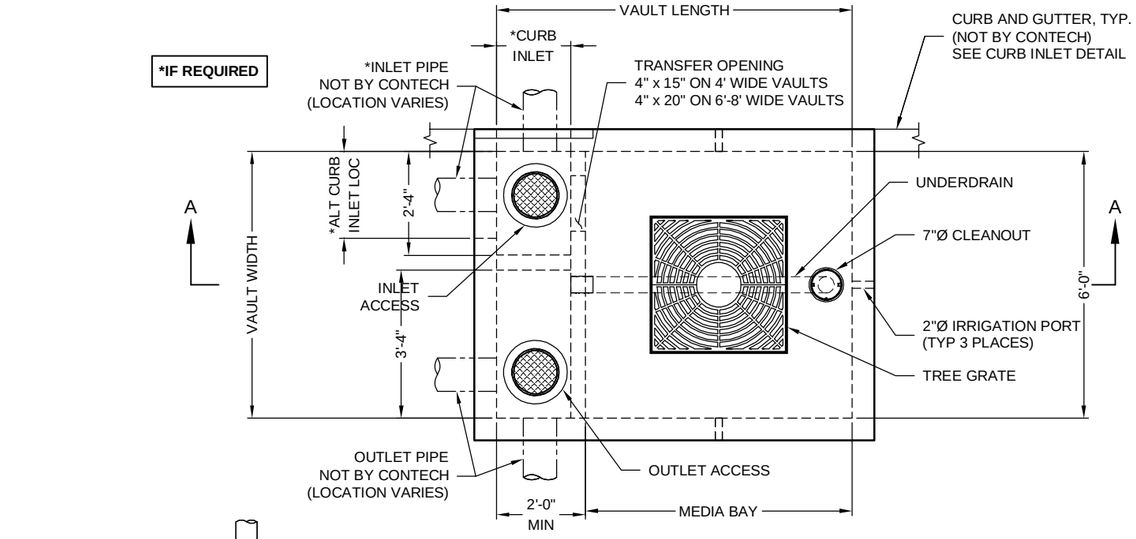
Filterra Infiltration Rate = 175 (in/hr)
Filterra Flow per Square Foot = 0.00405 (ft3/sec/ft2)

Filterra Flow Rate, Q = 0.00405 ft3/sec x Filterra Surface Area
Rational Method, Q = C x I x A
San Diego Multiplier, M = 1.5

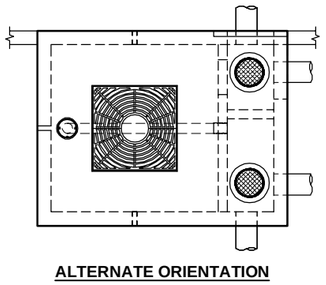
Site Flowrate, Q = (C x DI x DA x M x 43560) / (12 x3600)
OR DA = (12 x 3600 x Q) / (C x 43560 x DI x M)

where
Q = Flow (ft3/sec)
DA = Drainage Area (acres)
DI = Design Intensity (in/hr)
C = Runoff coefficient (dimensionless)
M = Multiplier (dimensionless)

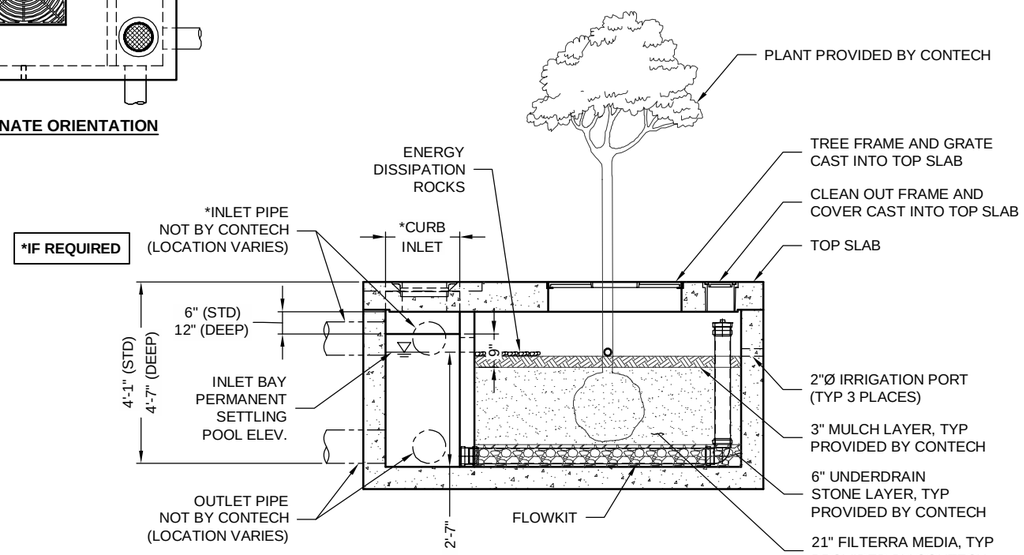
			DI 0.2	C 0.95	C 0.85	C 0.50
Available Filterra Box Sizes			Filterra	100%	Commercial	Residential
L (ft)	W (ft)	Filterra Surface Area (ft2)	Flow Rate, Q (ft3/sec)	Imperv. DA (acres)	max DA (acres)	max DA (acres)
4	4	16	0.0648	0.226	0.252	0.429
6	4	24	0.0972	0.338	0.378	0.643
6.5	4	26	0.1053	0.367	0.410	0.696
8	4	32	0.1296	0.451	0.504	0.857
12	4	48	0.1944	0.677	0.756	1.286
6	6	36	0.1458	0.507	0.567	0.964
8	6	48	0.1944	0.677	0.756	1.286
10	6	60	0.2431	0.846	0.945	1.607
12	6	72	0.2917	1.015	1.134	1.928
13	7	91	0.3686	1.283	1.434	2.437
12	8	96	0.3889	1.353	1.512	2.571
14	8	112	0.4537	1.579	1.765	3.000
16	8	128	0.5185	1.804	2.017	3.428
18	8	144	0.5833	2.030	2.269	3.857
20	8	160	0.6481	2.255	2.521	4.285
22	8	176	0.7130	2.481	2.773	4.714



PLAN VIEW



ALTERNATE ORIENTATION



SECTION A-A
(STANDARD DEPTH SHOWN)

INTERNAL PIPE CONFIGURATION MAY VARY DEPENDING UPON OUTLET LOCATION.

FTPD STANDARD HEIGHT CONFIGURATION

DESIGNATION (OPTIONS: -P, -T, -PT)	AVAILABILITY	MEDIA BAY SIZE	VAULT SIZE (W x L)	WEIR LENGTH/ MAX CURB OPENING	*MAX BYPASS FLOW (CFS)	INLET/ OUTLET ACCESS DIA	TREE GRATE QTY & SIZE
FTPD0404	N/A CA	4 x 4	4 x 6	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD04045	CA ONLY	4 x 4.5	4 x 6.5	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD0406	N/A DE, MD, NJ, PA, VA, WV	4 x 6	4 x 8	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD045058	DE, MD, NJ, PA, VA, WV ONLY	4.5 x 5.83	4.5 x 7.83	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD0604	ALL	6 x 4	6 x 6	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD0606	ALL	6 x 6	6 x 8	1'-8"	1.4	12"/12"	(1) 3' x 3'
FTPD0608	ALL	6 x 8	6 x 10	1'-8"	1.4	12"/12"	(1) 4' x 4'
FTPD0610	ALL	6 x 10	6 x 12	1'-8"	1.4	12"/12"	(1) 4' x 4'
FTPD0710	ALL	7 x 10	7 x 13	2'-6"	2.1	24"/24"	(1) 4' x 4'
FTPD08105	ALL	8 x 10.5	8 x 14	3'-0"	2.5	24"/24"	(1) 4' x 4'
FTPD08125	N/A OR, WA	8 x 12.5	8 x 16	3'-0"	2.5	24"/24"	(2) 4' x 4'
FTPD09115	OR, WA ONLY	9 x 11.5	9 x 15	3'-0"	2.5	24"/24"	(2) 4' x 4'

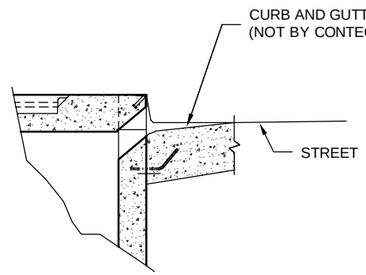
N/A = NOT AVAILABLE

FTPD-D DEEP OPTION CONFIGURATION

DESIGNATION (OPTIONS: -P, -T, -PT)	AVAILABILITY	MEDIA BAY SIZE	VAULT SIZE (W x L)	WEIR LENGTH/ MAX CURB OPENING	*MAX BYPASS FLOW (CFS)	INLET/ OUTLET ACCESS DIA	TREE GRATE QTY & SIZE
FTPD0404-D	N/A CA	4 x 4	4 x 6	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD04045-D	CA ONLY	4 x 4.5	4 x 6.5	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD0406-D	N/A DE, MD, NJ, PA, VA, WV	4 x 6	4 x 8	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD045058-D	DE, MD, NJ, PA, VA, WV ONLY	4.5 x 5.83	4.5 x 7.83	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD0604-D	ALL	6 x 4	6 x 6	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD0606-D	ALL	6 x 6	6 x 8	1'-8"	4.6	12"/12"	(1) 3' x 3'
FTPD0608-D	ALL	6 x 8	6 x 10	1'-8"	4.6	12"/12"	(1) 4' x 4'
FTPD0610-D	ALL	6 x 10	6 x 12	1'-8"	4.6	12"/12"	(1) 4' x 4'
FTPD0710-D	ALL	7 x 10	7 x 13	2'-6"	6.8	24"/24"	(1) 4' x 4'
FTPD08105-D	ALL	8 x 10.5	8 x 14	3'-0"	8.2	24"/24"	(1) 4' x 4'
FTPD08125-D	N/A OR, WA	8 x 12.5	8 x 16	3'-0"	8.2	24"/24"	(2) 4' x 4'
FTPD09115-D	OR, WA ONLY	9 x 11.5	9 x 15	3'-0"	8.2	24"/24"	(2) 4' x 4'

N/A = NOT AVAILABLE

*MAX BYPASS FLOW IS INTERNAL WEIR FLOW . SITE SPECIFIC ANALYSIS IS REQUIRED TO DETERMINE CURB INLET FLOW CAPACITY



CURB INLET DETAIL

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 6,277,274; 6,569,321; 7,625,485; 7,425,261; 7,833,412; RELATED FOREIGN PATENTS.

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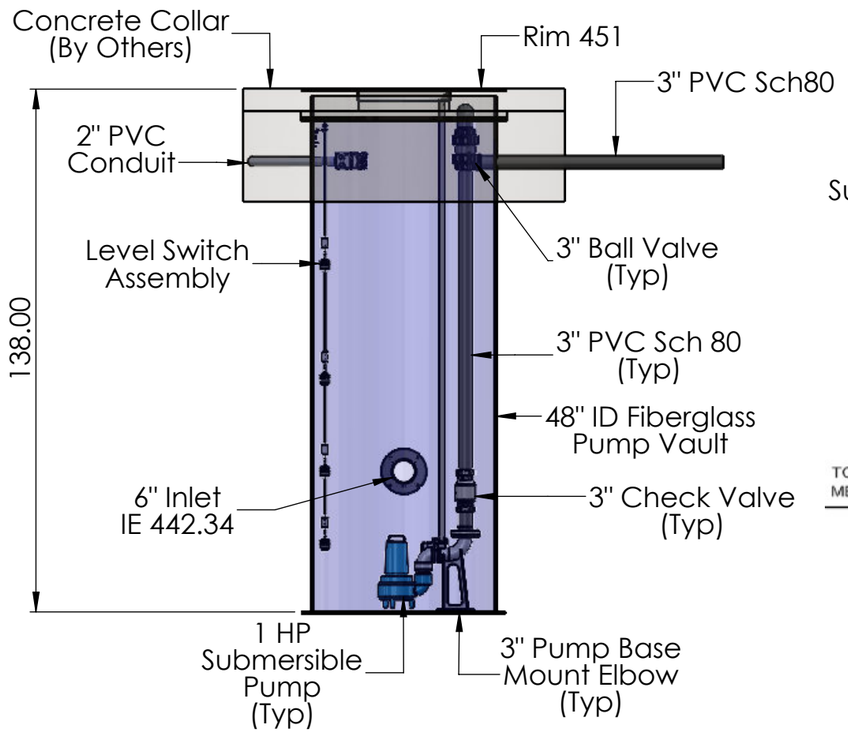
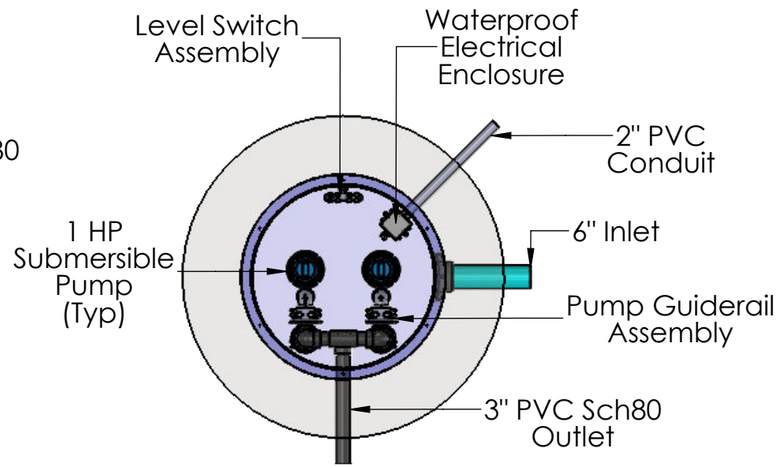
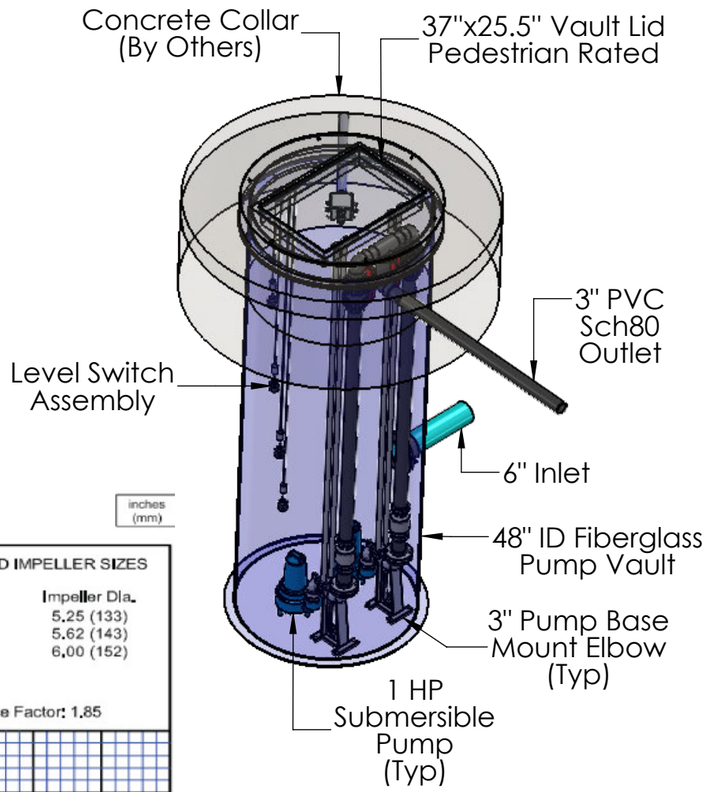
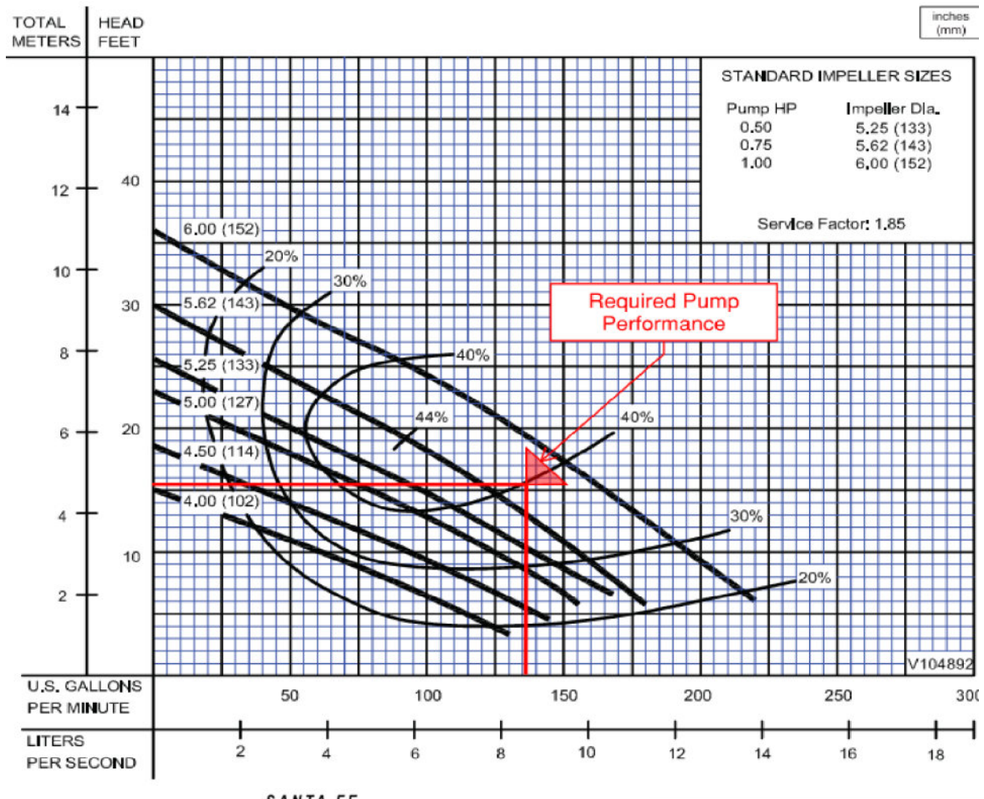
FILTERRA PEAK DIVERSION (FTPD) CONFIGURATION DETAIL

I:\COMMON\CAD\CAD STANDARDS\CAD PROGRAMS\DEVELOPMENT\STORMWATER\FILTERRA\FTPD - FILTERRA PEAK DIVERSION CONFIG DTL.DWG 4/6/2021 3:22 PM









NOTES:

1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-10, 200 - 240v, 1 phase, 8.8A max. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 3" pump system outlet pipe as shown on Civil Sheets.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on Civil Engineer's design calculations = 137 gpm.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	21	1.19'
Check Valve	1	1.72'
90 Elbow	2	0.96'
Tee	1	1.24'
45 Elbow	2	0.41'
Exit	1	0.69'
Elevation Head		9.17'
Total Headloss @ 137 gpm		15.37'

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

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	NAME	DATE
DRAWN	SRG	7/01/22
CHECKED	MDF	7/01/22
ENG APPR.	CKL	7/01/22
REV		

TITLE:
Harmon Oaks - Poway, CA
Stormwater Treatment
Discharge Pump

SIZE **B** | SHEET 1 OF 1

ATTACHMENT 2 – BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 2a	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☒ Submitted as separate stand-alone document
Attachment 2b	Hydromodification Management Exhibit (Required)	☒ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2c	Management of Critical Coarse Sediment Yield Areas See Section 6.2 and Appendix H of the BMP Design Manual. **(No CCSYAs on or around the site)**	☐ Exhibit depicting onsite and/or upstream sources of critical coarse sediment as mapped by Regional or Jurisdictional approaches outlined in Appendix H.1 AND, ☐ Demonstration that the project effectively avoids and bypasses sources of mapped critical coarse sediment per approaches outlined in Appendix H.2 and H.3. OR, ☐ Demonstration that project does not generate a net impact on the receiving water per approaches outlined in Appendix H.4.
Attachment 2d	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☒ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☒ Not required because BMPs will drain in less than 96 hours

Attachment 2a

Hydromodification Management Plan

INTRODUCTION

This report summarizes the approach used to model Harmon Oaks project site in the City of Poway to achieve flow control requirements for hydromodification management using the Environmental Protection Agency (EPA) Storm Water Management Model 5.1 (SWMM). SWMM models is provided for the pre and post developed conditions at the site in order to determine if the proposed detention/Hydromodifcatation facility has sufficient storage volume to meet the current Hydromodification Management Plan (HMP) requirements from the Regional Water Quality Control Board (RWQCB).

SWMM MODEL DEVELOPMENT

The Farm development plan proposes the construction of single family homes, and associated. One Point of Compliance (POC) will be analyzed in the SWMM analysis.

The proposed vault is modeled as a storage unit associated with a storage curve. The storm water quality requirements for the project are met by the proposed proprietary biofiltration Filterra Units upstream of the vault, which are not included in the hydromodifcation model as their volume is negligible. The proposed vault is designed for hydromodifcation and detention purposes.

Two SWMM models will be prepared for the POC, one for the pre, and one for the post development.

The inputs required to run a SWMM analysis are rainfall, evaporation rate, area, drainage soil, and any BMP configuration applicable to the project based on the 2018/ revised 2022 BMP DM. The rain gauge used is the Poway Gage as it is the most representative of the area based on location. Evaporation for the project site will be taken from BMP DM for Zone 9 for the monthly average evapotranspiration. Hydrologic soil type D and A will be assumed for the entire site based on the web soil survey.

HMP MODELING

POC 1

POC 1 is located offsite southwest of the southern lot at the discharge location of the existing storm drain (8’ X 5’ RCP) into Poway Creek. Runoff from the site in both pre and post developed conditions is conveyed via stated storm drain and ultimately discharges into Poway Creek. No added imperviousness or increasing in area is proposed to the open channel northeast of the northern lot. The POC receives runoff from Area1-6:

- Area 1- Soil Type D: Project’s Northern lot that will be disturbed in proposed conditions. In existing conditions, the site consists of single-family residential structures, driveways, equipment yard (Construction stage area), northern slope and vacant area. In proposed conditions, the site will be developed with roads, sidewalk, landscaped areas, slopes, open space, single-family homes and driveways. In proposed conditions, runoff from Area1 will be captured

via curb type proprietary biofiltration units (Filterra units or equivalent) to address water quality requirements, and then routed via proposed storm drain to the underground vault, before discharging to POC-1.

• Area 2 - Soil Type D: 2.86 acres (69.1% imperviousness) consists of existing development that will not be disturbed in proposed conditions. It includes offsite development west of the project's northern lot, historical home, and the northern portion of Oak Knoll Road. Runoff from this area is captured by inlets and conveyed via existing 36" RCP public SD that runs in an eastwest direction under Oak Knoll Road, where it comingles with the treated and mitigated discharge from the project area, prior entering the existing 8'X5' RCP storm drain, which routes the total runoff to Poway Creek at POC1.
This area routed directly to POC-1

- Area 3 Soil Type D: Consists of 0.80 acres of northern offsite slope, which drains through the site. Runoff from this area will be bypassed in proposed conditions. 0.18 ac of self-mitigating slopes is added to this area. This area enters the existing 8'X5' RCP storm drain west of the northern lot and travels southerly, where it comingles with the discharge from the existing 36" RCP SD, and continues to discharge into Poway Creek at POC1. This area routed directly to POC-1.

- Area 4- Soil Type D: Offsite existing development that will not be disturbed in proposed conditions and drains southerly ,with the runoff from the project's southern lot, to discharge directly into Poway Creek at POC1. It consists of building structures and driveways east of the project's southern lot. Southern portion of Oaknoll Road was modeled as part of Area 4 as well. This portion drains westerly to be captured via curb inlet and enters the existing 36" RCP storm drain, then to 8'X5' RCP storm drain that discharges into Poway Creek at POC1. This area routed directly to POC-1.

- Area 5- Soil Type-D: The northern portion of project's southern lot that will be developed in the proposed conditions (0.475 ac). In existing conditions, this area is vacant and drains southerly to comingle with Area-6 and Area-4 flows before discharging into Poway Creek at POC1. In proposed conditions, this area drains northerly to Oak Knoll road, where it's captured via proposed curb type proprietary biofiltraton unit (Filterra unit or equivalent) that will address water quality requirements before discharging into the existing 36" RCP SD. This area is routed directly to POC-1. The proposed vault within Area 1 will over detain the flows from Area-1 to account for the unmitigated flows from Area-5 to meet hydromodification requirements.

- Area 6- Soil Type A: Offsite and onsite natural slopes not to be disturbed in proposed conditions. This Area drains southerly to discharge directly into Poway Creek to POC-1

POC1 Watershed Parameters - Existing Conditions												
Area 3			Area 2*			Area 1			Area 5			Area 4*			Area 6		
Northern-Undeveloped			Northern-Developed			Northern-Disturbed			Southern-Disturbed			Southern-D			Southern-A		
L=	846	ft	L=	1250	ft	L=	681	ft	L=	220	ft	L=	378	ft	L=	392	ft
A=	0.98	ac	A=	2.86	ac	A=	7.819	ac	A=	0.475	ac	A=	0.44	ac	A=	1.11	ac
% Impervious	0.0%		% Impervious	69.1%		% Impervious	0.0%		% Impervious	0.0%		% Impervious	79.2%		% Impervious	0.0%	
W=	50	ft	W=	100	ft	W=	500	ft	W=	94	ft	W=	51	ft	W=	123	ft
US Elev=	544.0	ft	US Elev=	467.0	ft	US Elev=	495.0	ft	US Elev=	449.1	ft	US Elev=	449.5	ft	US Elev=	446.0	ft
DS Elev=	457.0	ft	DS Elev=	448.5	ft	DS Elev=	457.6	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft
S=	10.28%		S=	1.48%		S=	5.49%		S=	2.32%		S=	1.46%		S=	0.51%	

POC1 Watershed Parameters - Proposed Conditions												
Area 3			Area 2			Area 1			Area 5			Area 4			Area 6		
Northern-Undeveloped			Northern-Developed			Northern-Disturbed			Southern-Disturbed			Southern-D			Southern-A		
L=	846	ft	L=	1250	ft	L=	1000	ft	L=	220	ft	L=	378	ft	L=	392	ft
A=	0.98	ac	A=	2.860	ac	A=	7.819	ac	A=	0.475	ac	A=	0.44	ac	A=	1.11	ac
% Impervious	0.0%		% Impervious	69.1%		% Impervious	66.4%		% Impervious	55.1%		% Impervious	79.2%		% Impervious	0.0%	
W=	50	ft	W=	100	ft	W=	341	ft	W=	94	ft	W=	51	ft	W=	123	ft
US Elev=	544.0	ft	US Elev=	467.0	ft	US Elev=	495.0	ft	US Elev=	449.1	ft	US Elev=	449.5	ft	US Elev=	446.0	ft
DS Elev=	457.0	ft	DS Elev=	448.5	ft	DS Elev=	448.5	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft
S=	10.28%		S=	1.48%		S=	4.65%		S=	2.32%		S=	1.46%		S=	0.51%	

*For Area 2 and Area 4 Pre-developed Conditions per section 6.3.3 from BMP Manual :Runoff from offsite impervious area (not a part of the project disturbed area) that co-mingles with project site runoff prior to discharge to the POC, the offsite impervious area may be modeled as impervious in both the pre- and post- condition models.

BMP MODELING FOR HMP PURPOSES

Vault Discussion:

One detention vault is located within the project's northern lot (Area 1) and is responsible for handling hydromodification requirements for the project. Flow control in the vault is achieved using multiple orifices on the outlet structure located at the downstream end of the vault. The size, number and location of the orifices are presented in the Table 1. The outlet structure contains an emergency overflow opening that is only utilized in storm events equal to or larger than the 100-year storm, such that peak flows can be safely discharged to the receiving storm drain system. Sizing and further peak flow discussion is in the "Drainage Report for Harmon Oaks". One rating curve has been modeled to represent the flows from orifices and spillway weir.

The detention vault has been modeled using the storage unit feature, and the riser structure has been modeled using the outlet feature in SWMM.

It should be noted that detailed outlet structure location and elevations will be shown on the construction plans based on the recommendations of this study.

FLOW DURATION CURVE COMPARISON

The Flow Duration Curves (FDC) for the site were compared at POC-1 by exporting the hourly runoff time series results from SWMM to a spreadsheet. The FDC was compared between 10% of the existing condition Q2 (based on accepting an assumption of high susceptibility for downstream channel erosion as required if no soils tests are completed) up to the existing condition Q10. The Q2 and Q10 were determined using a partial duration statistical analysis of the runoff time series in an Excel spreadsheet. The SWMM Model is a statistical analysis based on the Weibull Plotting Position Method.

The range between 10% of Q2 and Q10 was divided into 100 equal time intervals; the number of hours that each flow rate was exceeded was counted from the hourly series. Additionally, the intermediate peaks with a return period "i" were obtained (Qi with i=3 to 9). For the purpose of the plot, the values were presented as percentage of time exceeded for each flow rate.

The FDC comparison for POC1 is illustrated in Figure 1. POC 1 corresponds with the point located at the discharge point of existing 8' X 5' RCP storm drain into Poway Creek southwest of the project.

As can be seen in Figures 1, the FDC for the proposed condition with vault is within 110% of the curve for the existing condition. The additional runoff volume generated from developing the site will be released to the downstream storm drain at a flow rate equals or below the 10% Q2 lower threshold. Additionally, the project will not increase peak flow rates between the Q2 and the Q10, as shown in the graphic and also in the attached table.

SUMMARY & CONCLUSION

A summary/comparison of existing and proposed areas draining to each point of compliance (POC) are shown in the table below. The model includes onsite project areas and offsite drainage areas. One underground vault is proposed to mitigate increased flow frequencies as a result of development.

AREA SUMMARY		
	Existing (AC)	Proposed (AC)
POC 1	13.68	13.68

The study has demonstrated that the proposed detention vault and riser meet current HMP requirements.

Key Assumptions

1. D & A soils are representative of the entire site.

2. The Proprietary biofiltration units' volume is negligible.

3. The discharge from the low flow orifice will be pumped to the proposed manhole down-stream of the proposed vault. This manhole receives the discharge from the middle, top orifices, and over flow emergency weir flows (outlet riser structure), and discharges into the existing storm drain system. However, for modeling purposes the discharge from the low orifice was used, not the pump discharge rating curve.

ATTACHMENTS

1. Flow Duration Curve Analysis
2. Elevation vs. Area Curves vs. Discharge Curves to be used in SWMM
3. Vault and Outlet Structure Details
4. SWMM Input Data (Pre-developed and Proposed Models)
5. SWMM Screens and Explanation of Significant Variables
6. Drying Time of the Vault

Attachment -1 Flow Duration Curve Analysis

Flow duration curve shall not exceed the pre-developed conditions by more than 10% neither in peak flow nor duration.

The figure on the following page illustrates that the flow duration curve in post-development conditions after the proposed BMP is below the existing flow duration curve. The flow duration curve table following the curve shows that if the interval 0.10Q 2 – Q 10 is divided in 100 sub-intervals, then a) the post development divided by pre-development durations are never larger than 110% (the permit allows up to 110%); and b) there are no more than 10 intervals in the range 101%-110% which would imply an excess over 10% of the length of the curve (the permit allows less than 10% of excesses measured as 101-110%).

Consequently, the design passes the hydromodification test.

It is important to note that the flow duration curve can be expressed in the "x" axis as percentage of time, hours per year, total number of hours, or any other similar time variable. As those variables only differ by a multiplying constant, their plot in logarithmic scale is going to look exactly the same and compliance can be observed regardless of the variable selected. The selection of a logarithmic scale in lieu of the normal scale is preferred, as differences between the pre-development and post-development curves can be seen more clearly in the entire range of analysis. Both graphics are presented for reference.

In terms of the "y" axis, the peak flow value is the variable of choice. As an additional analysis performed by H&A, not only the range of analysis is clearly depicted (10% of Q 2 to Q 10) but also all intermediate flows are shown (30% of Q 2 , 50% of Q 2 , Q 2 , Q 3 , Q 4 , Q 5 , Q 6 , Q 7 , Q 8 and Q 9) in order to demonstrate compliance at any range Q x – Q x+1 . It must be pointed out that one of the limitations of both the SWMM and SDHM models is that the intermediate analysis is not performed (to obtain Q i from i = 2 to 10).

The largest "n" peak flows are attached in this appendix, as well as the values of Q_i with a return period "i", from i=2 to 10. The Q i values are also added into the flow-duration plot.

Low-flow Threshold:	10%	
0.1xQ2 (Pre):	0.468	cfs
Q10 (Pre):	7.174	cfs
Ordinate #:	100	
Incremental Q (Pre):	0.06706	cfs
Total Hourly Data:	400032	hours

The proposed BMP: PASSED

Interval	Pre-project Flow (cfs)	Pre-project Hours	Pre-project % Time Exceeding	Post-project Hours	Post-project % Time Exceeding	Percentage	Pass/Fail
0	0.468	1190	2.97E-03	1282	3.20E-03	108%	Pass
1	0.535	1054	2.63E-03	1080	2.70E-03	102%	Pass
2	0.602	969	2.42E-03	944	2.36E-03	97%	Pass
3	0.669	877	2.19E-03	816	2.04E-03	93%	Pass
4	0.736	797	1.99E-03	726	1.81E-03	91%	Pass
5	0.803	726	1.81E-03	645	1.61E-03	89%	Pass
6	0.870	657	1.64E-03	576	1.44E-03	88%	Pass
7	0.938	605	1.51E-03	527	1.32E-03	87%	Pass
8	1.005	541	1.35E-03	470	1.17E-03	87%	Pass
9	1.072	492	1.23E-03	413	1.03E-03	84%	Pass
10	1.139	454	1.13E-03	371	9.27E-04	82%	Pass
11	1.206	418	1.04E-03	338	8.45E-04	81%	Pass
12	1.273	385	9.62E-04	316	7.90E-04	82%	Pass
13	1.340	366	9.15E-04	295	7.37E-04	81%	Pass
14	1.407	344	8.60E-04	275	6.87E-04	80%	Pass
15	1.474	324	8.10E-04	256	6.40E-04	79%	Pass
16	1.541	302	7.55E-04	238	5.95E-04	79%	Pass
17	1.608	275	6.87E-04	225	5.62E-04	82%	Pass
18	1.675	249	6.22E-04	208	5.20E-04	84%	Pass
19	1.742	231	5.77E-04	195	4.87E-04	84%	Pass
20	1.809	215	5.37E-04	184	4.60E-04	86%	Pass
21	1.876	197	4.92E-04	174	4.35E-04	88%	Pass
22	1.943	185	4.62E-04	162	4.05E-04	88%	Pass
23	2.010	174	4.35E-04	143	3.57E-04	82%	Pass
24	2.078	161	4.02E-04	134	3.35E-04	83%	Pass
25	2.145	146	3.65E-04	122	3.05E-04	84%	Pass
26	2.212	132	3.30E-04	112	2.80E-04	85%	Pass
27	2.279	128	3.20E-04	99	2.47E-04	77%	Pass
28	2.346	120	3.00E-04	88	2.20E-04	73%	Pass
29	2.413	115	2.87E-04	81	2.02E-04	70%	Pass
30	2.480	109	2.72E-04	75	1.87E-04	69%	Pass
31	2.547	104	2.60E-04	71	1.77E-04	68%	Pass
32	2.614	102	2.55E-04	64	1.60E-04	63%	Pass
33	2.681	96	2.40E-04	63	1.57E-04	66%	Pass
34	2.748	92	2.30E-04	59	1.47E-04	64%	Pass
35	2.815	86	2.15E-04	53	1.32E-04	62%	Pass
36	2.882	81	2.02E-04	53	1.32E-04	65%	Pass
37	2.949	78	1.95E-04	52	1.30E-04	67%	Pass
38	3.016	75	1.87E-04	49	1.22E-04	65%	Pass
39	3.083	73	1.82E-04	45	1.12E-04	62%	Pass
40	3.150	73	1.82E-04	41	1.02E-04	56%	Pass
41	3.217	71	1.77E-04	40	1.00E-04	56%	Pass
42	3.285	70	1.75E-04	40	1.00E-04	57%	Pass
43	3.352	60	1.50E-04	37	9.25E-05	62%	Pass
44	3.419	58	1.45E-04	35	8.75E-05	60%	Pass
45	3.486	55	1.37E-04	32	8.00E-05	58%	Pass
46	3.553	55	1.37E-04	31	7.75E-05	56%	Pass
47	3.620	53	1.32E-04	30	7.50E-05	57%	Pass
48	3.687	51	1.27E-04	29	7.25E-05	57%	Pass
49	3.754	48	1.20E-04	26	6.50E-05	54%	Pass
50	3.821	47	1.17E-04	25	6.25E-05	53%	Pass

Low-flow Threshold:	10%	
0.1xQ2 (Pre):	0.468	cfs
Q10 (Pre):	7.174	cfs
Ordinate #:	100	
Incremental Q (Pre):	0.06706	cfs
Total Hourly Data:	400032	hours

The proposed BMP: PASSED

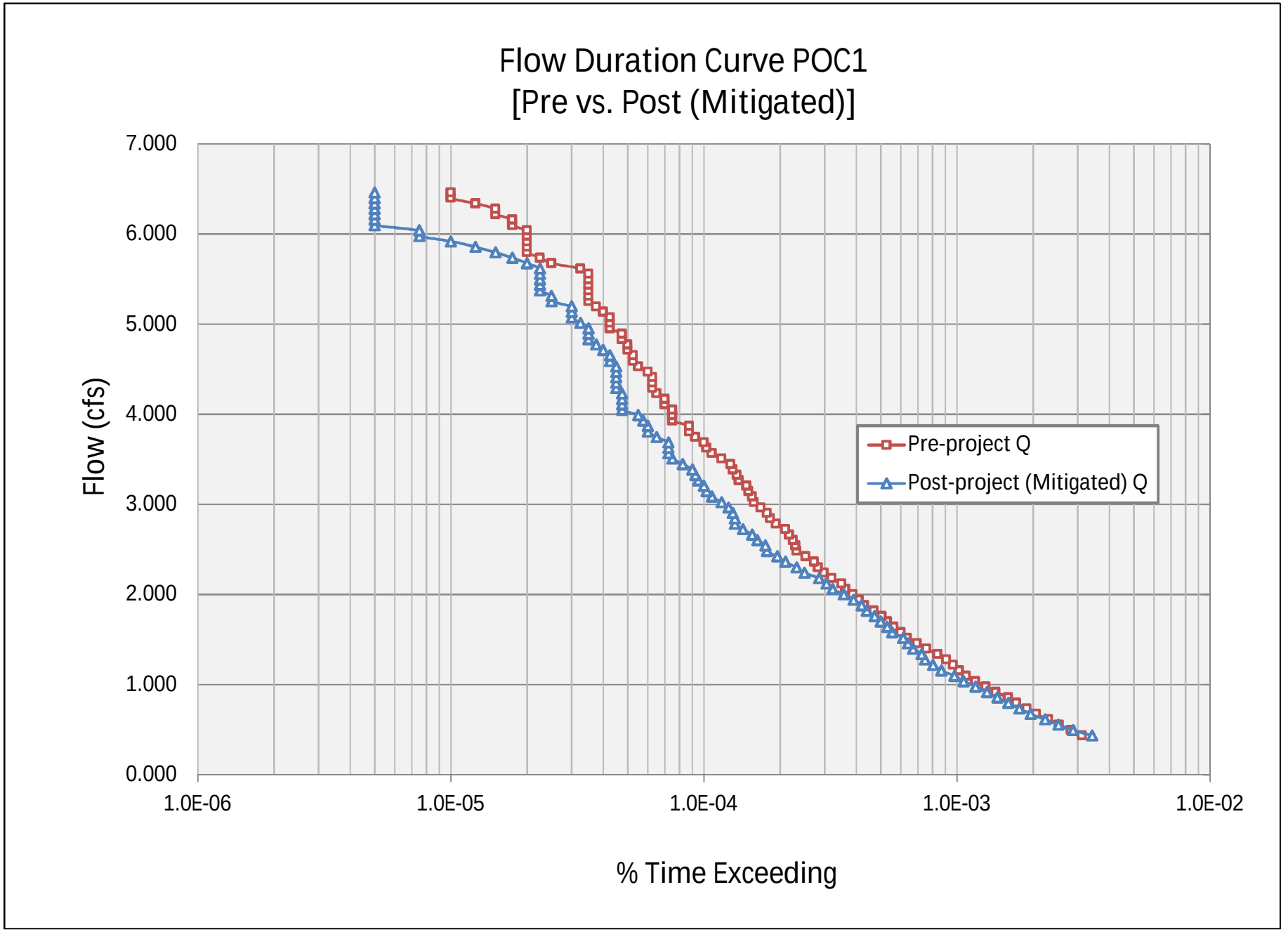
Interval	Pre-project Flow (cfs)	Pre-project Hours	Pre-project % Time Exceeding	Post-project Hours	Post-project % Time Exceeding	Percentage	Pass/Fail
51	3.888	47	1.17E-04	25	6.25E-05	53%	Pass
52	3.955	43	1.07E-04	24	6.00E-05	56%	Pass
53	4.022	41	1.02E-04	23	5.75E-05	56%	Pass
54	4.089	40	1.00E-04	19	4.75E-05	48%	Pass
55	4.156	36	9.00E-05	19	4.75E-05	53%	Pass
56	4.223	35	8.75E-05	19	4.75E-05	54%	Pass
57	4.290	32	8.00E-05	18	4.50E-05	56%	Pass
58	4.357	28	7.00E-05	18	4.50E-05	64%	Pass
59	4.425	28	7.00E-05	18	4.50E-05	64%	Pass
60	4.492	27	6.75E-05	18	4.50E-05	67%	Pass
61	4.559	25	6.25E-05	18	4.50E-05	72%	Pass
62	4.626	25	6.25E-05	17	4.25E-05	68%	Pass
63	4.693	25	6.25E-05	17	4.25E-05	68%	Pass
64	4.760	25	6.25E-05	16	4.00E-05	64%	Pass
65	4.827	23	5.75E-05	16	4.00E-05	70%	Pass
66	4.894	23	5.75E-05	14	3.50E-05	61%	Pass
67	4.961	22	5.50E-05	14	3.50E-05	64%	Pass
68	5.028	22	5.50E-05	13	3.25E-05	59%	Pass
69	5.095	22	5.50E-05	13	3.25E-05	59%	Pass
70	5.162	21	5.25E-05	13	3.25E-05	62%	Pass
71	5.229	20	5.00E-05	12	3.00E-05	60%	Pass
72	5.296	19	4.75E-05	11	2.75E-05	58%	Pass
73	5.363	19	4.75E-05	10	2.50E-05	53%	Pass
74	5.430	19	4.75E-05	10	2.50E-05	53%	Pass
75	5.497	18	4.50E-05	9	2.25E-05	50%	Pass
76	5.565	16	4.00E-05	9	2.25E-05	56%	Pass
77	5.632	16	4.00E-05	9	2.25E-05	56%	Pass
78	5.699	16	4.00E-05	9	2.25E-05	56%	Pass
79	5.766	15	3.75E-05	7	1.75E-05	47%	Pass
80	5.833	14	3.50E-05	6	1.50E-05	43%	Pass
81	5.900	12	3.00E-05	6	1.50E-05	50%	Pass
82	5.967	11	2.75E-05	4	1.00E-05	36%	Pass
83	6.034	11	2.75E-05	4	1.00E-05	36%	Pass
84	6.101	11	2.75E-05	3	7.50E-06	27%	Pass
85	6.168	11	2.75E-05	2	5.00E-06	18%	Pass
86	6.235	10	2.50E-05	2	5.00E-06	20%	Pass
87	6.302	9	2.25E-05	2	5.00E-06	22%	Pass
88	6.369	9	2.25E-05	2	5.00E-06	22%	Pass
89	6.436	9	2.25E-05	2	5.00E-06	22%	Pass
90	6.503	7	1.75E-05	2	5.00E-06	29%	Pass
91	6.570	6	1.50E-05	2	5.00E-06	33%	Pass
92	6.637	6	1.50E-05	2	5.00E-06	33%	Pass
93	6.705	6	1.50E-05	2	5.00E-06	33%	Pass
94	6.772	5	1.25E-05	2	5.00E-06	40%	Pass
95	6.839	5	1.25E-05	1	2.50E-06	20%	Pass
96	6.906	5	1.25E-05	1	2.50E-06	20%	Pass
97	6.973	5	1.25E-05	1	2.50E-06	20%	Pass
98	7.040	5	1.25E-05	1	2.50E-06	20%	Pass
99	7.107	4	1.00E-05	1	2.50E-06	25%	Pass
100	7.174	4	1.00E-05	1	2.50E-06	25%	Pass

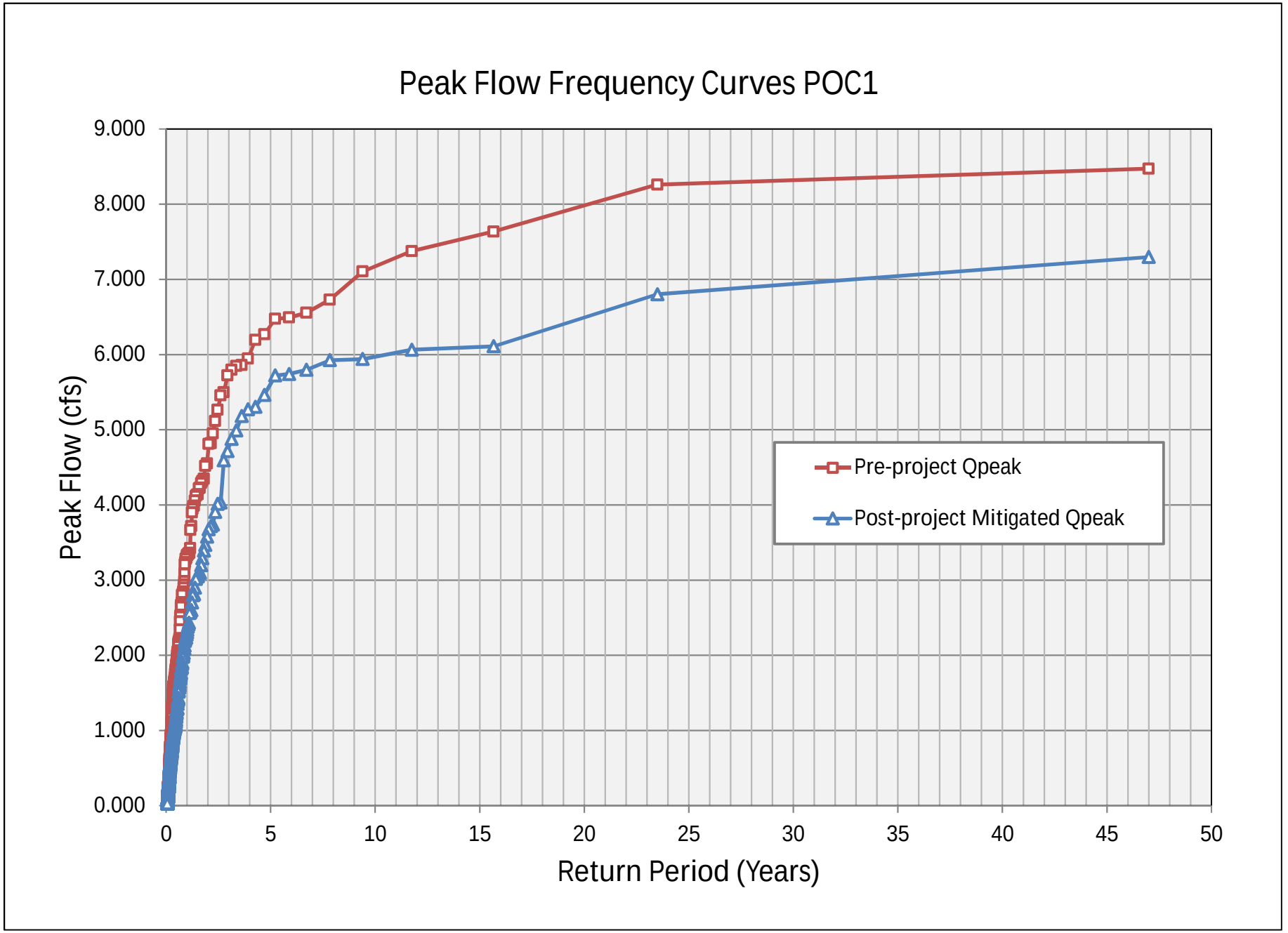
Peak Flow Frequency Summary

Return Period	Pre-project Qpeak (cfs)	Post-project - Mitigated Q (cfs)	Reduction Q (cfs)
LF = 0.1xQ2	0.468	0.363	0.106
2-year	4.681	3.626	1.056
5-year	6.388	5.612	0.775
10-year	7.174	5.971	1.203

ATTACHMENT 1 - Flow Duration Curve Analysis, Plot & Table

Figures 1a & 1b– Flow Duration Curve Comparison & Peak Flow Frequency Curves Comparison


Flow Duration Curve POC1
[Pre vs. Post (Mitigated)]
7.000
6.000
5.000
4.000
3.000
2.000
1.000
0.000
Flow (cfs)
1.0E-06
1.0E-05
1.0E-04
1.0E-03
1.0E-02
% Time Exceeding
Pre-project Q
Post-project (Mitigated) Q


Peak Flow Frequency Curves POC1
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
0.000
Peak Flow (cfs)
0
5
10
15
20
25
30
35
40
45
50
Return Period (Years)
Pre-project Qpeak
Post-project Mitigated Qpeak

ATTACHMENT 2 - Elevation vs. Area Curves vs. Discharge Curves to be used in SWMM

Elevation vs. Area

For the detention vault, a pond is used to route the hydrographs, the elevation vs area curve in the model is calculated in excel and imported into the model at a 0.10 interval range

Elevation vs Discharge

The total discharge peak flow is imported from an excel spreadsheet that calculated the elevation vs discharge of the multiple outlet system.

The orifice configurations have been selected to maximize their size while restricting flow to conform to the required 10% of the Q2 event flow. While we acknowledge that these orifices are small, to increase the size of these outlets would impact the basins' ability to restrict flow beneath the HMP thresholds, thus preventing the BMP from conforming to HMP requirements.

Vault 1

Vault #1 Stage Storage

depth	area	area (ac)	elevation	volume (cf)	volume (acft)
0.0	7440.0	0.1708	0.0	0	0.00
0.1	7440	0.1708	0.1	744	0.02
0.2	7440	0.1708	0.2	1,488	0.03
0.3	7440	0.1708	0.3	2,232	0.05
0.4	7440	0.1708	0.4	2,976	0.07
0.5	7440.0	0.1708	0.5	3,720	0.09
0.6	7440.0	0.1708	0.6	4,464	0.10
0.7	7440.0	0.1708	0.7	5,208	0.12
0.8	7440.0	0.1708	0.8	5,952	0.14
0.9	7440.0	0.1708	0.9	6,696	0.15
1.0	7440.0	0.1708	1.0	7,440	0.17
1.1	7440.0	0.1708	1.1	8,184	0.19
1.2	7440.0	0.1708	1.2	8,928	0.20
1.3	7440.0	0.1708	1.3	9,672	0.22
1.4	7440.0	0.1708	1.4	10,416	0.24
1.5	7440.0	0.1708	1.5	11,160	0.26
1.6	7440.0	0.1708	1.6	11,904	0.27
1.7	7440.0	0.1708	1.7	12,648	0.29
1.8	7440.0	0.1708	1.8	13,392	0.31
1.9	7440.0	0.1708	1.9	14,136	0.32
2.0	7440.0	0.1708	2.0	14,880	0.34
2.1	7440.0	0.1708	2.1	15,624	0.36
2.2	7440.0	0.1708	2.2	16,368	0.38
2.3	7440.0	0.1708	2.3	17,112	0.39
2.4	7440.0	0.1708	2.4	17,856	0.41
2.5	7440.0	0.1708	2.5	18,600	0.43
2.6	7440.0	0.1708	2.6	19,344	0.44
2.7	7440.0	0.1708	2.7	20,088	0.46
2.8	7440.0	0.1708	2.8	20,832	0.48
2.9	7440.0	0.1708	2.9	21,576	0.50
3.0	7440.0	0.1708	3.0	22,320	0.51
3.1	7440.0	0.1708	3.1	23,064	0.53
3.2	7440.0	0.1708	3.2	23,808	0.55
3.3	7440.0	0.1708	3.3	24,552	0.56
3.4	7440.0	0.1708	3.4	25,296	0.58
3.5	7440.0	0.1708	3.5	26,040	0.60
3.6	7440.0	0.1708	3.6	26,784	0.61
3.7	7440.0	0.1708	3.7	27,528	0.63
3.8	7440.0	0.1708	3.8	28,272	0.65
3.9	7440.0	0.1708	3.9	29,016	0.67
4.0	7440.0	0.1708	4.0	29,760	0.68
4.1	7440.0	0.1708	4.1	30,504	0.70
4.2	7440.0	0.1708	4.2	31,248	0.72
4.3	7440.0	0.1708	4.3	31,992	0.73
4.4	7440.0	0.1708	4.4	32,736	0.75
4.5	7440.0	0.1708	4.5	33,480	0.77
4.6	7440.0	0.1708	4.6	34,224	0.79
4.7	7440.0	0.1708	4.7	34,968	0.80
4.8	7440.0	0.1708	4.8	35,712	0.82
4.9	7440.0	0.1708	4.9	36,456	0.84
5.0	7440.0	0.1708	5.0	37,200	0.85
5.1	7440.0	0.1708	5.1	37,944	0.87
5.2	7440.0	0.1708	5.2	38,688	0.89
5.3	7440.0	0.1708	5.3	39,432	0.91
5.4	7440.0	0.1708	5.4	40,176	0.92
5.5	7440.0	0.1708	5.5	40,920	0.94
5.6	7440.0	0.1708	5.6	41,664	0.96
5.67	7440.0	0.1708	5.67	42,185	0.97
5.8	7440.0	0.1708	5.8	43,152	0.99
5.9	7440.0	0.1708	5.9	43,896	1.01
6.0	7440.0	0.1708	6.0	44,640	1.02

Vault #1 Discharge HMP Riser

Discharge vs Elevation Table

Low orifice:	1.75 "	Top orifice:	6 "
Number:	1	Number:	2
Cg-low:	0.61	Cg-low:	0.61
invert elev:	0.00 ft	invert elev:	2.80 ft
Middle orifice:	6 "	Emergency inlet:	
number of orif:	2	Rim height:	5.00 ft
Cg-middle:	0.61	Riser Box D	3X2
invert elev:	2.05 ft	Weir Length	10.00 ft

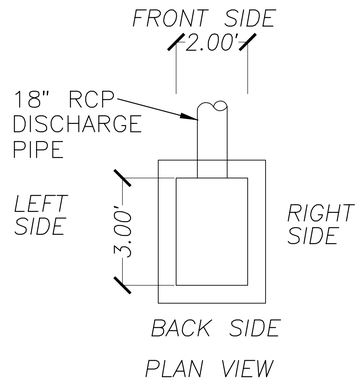
Flow to be pumped

h	H/D-low	H/D-mid	H/D-top	Qlow-orif	Qlow-weir	Qtot-low	Qmid-orif	Qmid-weir	Qtot-med	Qtop-orif	Qtop-weir	Qtot-top	Qpeak-top	Qtot
(ft)	-	-	-	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
0.0	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000
0.1	0.69	0.00	0.00	0.013	0.011	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0111
0.2	1.37	0.00	0.00	0.029	0.034	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0291
0.3	2.06	0.00	0.00	0.039	0.052	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0390
0.4	2.74	0.00	0.00	0.047	0.057	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0468
0.5	3.43	0.00	0.00	0.053	0.062	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0534
0.6	4.11	0.00	0.00	0.059	0.110	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0594
0.7	4.80	0.00	0.00	0.065	0.290	0.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0647
0.8	5.49	0.00	0.00	0.070	0.746	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0697
0.9	6.17	0.00	0.00	0.074	1.688	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0744
1.0	6.86	0.00	0.00	0.079	3.408	0.079	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0787
1.1	7.54	0.00	0.00	0.083	6.288	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0829
1.2	8.23	0.00	0.00	0.087	10.812	0.087	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0868
1.3	8.91	0.00	0.00	0.091	17.580	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0906
1.4	9.60	0.00	0.00	0.094	27.318	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0942
1.5	10.29	0.00	0.00	0.098	40.891	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0977
1.6	10.97	0.00	0.00	0.101	59.316	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1010
1.7	11.66	0.00	0.00	0.104	83.768	0.104	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1043
1.8	12.34	0.00	0.00	0.107	115.600	0.107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1075
1.9	13.03	0.00	0.00	0.111	156.348	0.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1105
2.0	13.71	0.00	0.00	0.114	207.749	0.114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1135
2.1	14.40	0.10	0.00	0.116	271.745	0.116	0.000	0.012	0.012	0.000	0.000	0.000	0.000	0.1285
2.2	15.09	0.30	0.00	0.119	350.503	0.119	0.000	0.103	0.103	0.000	0.000	0.000	0.000	0.2221
2.3	15.77	0.50	0.00	0.122	446.422	0.122	0.000	0.271	0.271	0.000	0.000	0.000	0.000	0.3930
2.4	16.46	0.70	0.00	0.125	562.146	0.125	0.608	0.500	0.500	0.000	0.000	0.000	0.000	0.6250
2.5	17.14	0.90	0.00	0.127	700.574	0.127	0.860	0.772	0.772	0.000	0.000	0.000	0.000	0.8997
2.6	17.83	1.10	0.00	0.130	864.878	0.130	1.053	1.068	1.053	0.000	0.000	0.000	0.000	1.1829
2.7	18.51	1.30	0.00	0.133	1058.505	0.133	1.216	1.367	1.216	0.000	0.000	0.000	0.000	1.3483
2.8	19.20	1.50	0.00	0.135	1285.200	0.135	1.359	1.653	1.359	0.000	0.000	0.000	0.000	1.4943
2.9	19.89	1.70	0.20	0.137	1549.007	0.137	1.489	1.909	1.489	0.000	0.047	0.047	0.000	1.6735
3.0	20.57	1.90	0.40	0.140	1854.288	0.140	1.608	2.123	1.608	0.000	0.178	0.178	0.000	1.9265
3.1	21.26	2.10	0.60	0.142	2205.735	0.142	1.719	2.286	1.719	0.430	0.379	0.379	0.000	2.2408
3.2	21.94	2.30	0.80	0.145	2608.377	0.145	1.824	2.396	1.824	0.745	0.632	0.632	0.000	2.6004
3.3	22.63	2.50	1.00	0.147	3067.593	0.147	1.922	2.458	1.922	0.961	0.918	0.918	0.000	2.9876
3.4	23.31	2.70	1.20	0.149	3589.130	0.149	2.016	2.482	2.016	1.137	1.218	1.137	0.000	3.3026
3.5	24.00	2.90	1.40	0.151	4179.106	0.151	2.106	2.489	2.106	1.290	1.513	1.290	0.000	3.5468
3.6	24.69	3.10	1.60	0.154	4844.028	0.154	2.192	2.510	2.192	1.426	1.786	1.426	0.000	3.7710
3.7	25.37	3.30	1.80	0.156	5590.801	0.156	2.275	2.586	2.275	1.550	2.022	1.550	0.000	3.9801
3.8	26.06	3.50	2.00	0.158	6426.741	0.158	2.354	2.770	2.354	1.665	2.211	1.665	0.000	4.1770
3.9	26.74	3.70	2.20	0.160	7359.586	0.160	2.432	3.128	2.432	1.772	2.348	1.772	0.000	4.3639
4.0	27.43	3.90	2.40	0.162	8397.508	0.162	2.506	3.742	2.506	1.874	2.433	1.874	0.000	4.5422
4.1	28.11	4.10	2.60	0.164	9549.127	0.164	2.579	4.707	2.579	1.970	2.473	1.970	0.000	4.7130
4.2	28.80	4.30	2.80	0.166	10823.518	0.166	2.650	6.136	2.650	2.061	2.486	2.061	0.000	4.8774
4.3	29.49	4.50	3.00	0.168	12230.228	0.168	2.719	8.158	2.719	2.149	2.496	2.149	0.000	5.0360
4.4	30.17	4.70	3.20	0.170	13779.284	0.170	2.786	10.921	2.786	2.234	2.538	2.234	0.000	5.1894
4.5	30.86	4.90	3.40	0.172	15481.209	0.172	2.851	14.595	2.851	2.315	2.661	2.315	0.000	5.3382
4.6	31.54	5.10	3.60	0.174	17347.028	0.174	2.915	19.366	2.915	2.393	2.923	2.393	0.000	5.4827
4.7	32.23	5.30	3.80	0.176	19388.286	0.176	2.978	25.447	2.978	2.469	3.398	2.469	0.000	5.6233
4.8	32.91	5.50	4.00	0.178	21617.054	0.178	3.040	33.070	3.040	2.543	4.174	2.543	0.000	5.7603
4.9	33.60	5.70	4.20	0.180	24045.946	0.180	3.100	42.492	3.100	2.615	5.356	2.615	0.000	5.8940
5.0	34.29	5.90	4.40	0.181	26688.127	0.181	3.159	53.998	3.159	2.684	7.064	2.684	0.000	6.0247
5.1	34.97	6.10	4.60	0.183	29557.329	0.183	3.217	67.894	3.217	2.752	9.437	2.752	1.053	7.2055
5.2	35.66	6.30	4.80	0.185	32667.857	0.185	3.274	84.517	3.274	2.819	12.633	2.819	2.978	9.2560
5.3	36.34	6.50	5.00	0.187	36034.605	0.187	3.330	104.231	3.330	2.884	16.830	2.884	5.472	11.8718
5.4	37.03	6.70	5.20	0.189	39673.069	0.189	3.385	127.430	3.385	2.947	22.229	2.947	8.424	14.9446
5.5	37.71	6.90	5.40	0.190	43599.355	0.190	3.439	154.538	3.439	3.009	29.050	3.009	11.773	18.4116
5.6	38.40	7.10	5.60	0.192	47830.191	0.192	3.492	186.011	3.492	3.070	37.539	3.070	15.476	22.2305
5.70	39.09	7.30	5.80	0.194	52382.944	0.194	3.545	222.338	3.545	3.129	47.966	3.129	19.503	26.3705
5.8	39.77	7.50	6.00	0.196	57275.625	0.196	3.596	264.040	3.596	3.188	60.626	3.188	23.828	30.8075
5.9	40.46	7.70	6.20	0.197	62526.905	0.197	3.647	311.676	3.647	3.245	75.842	3.245	28.432	35.5221
6.0	41.14	7.90	6.40	0.199	68156.127	0.199	3.698	365.837	3.698	3.302	93.963	3.302	33.300	40.4985

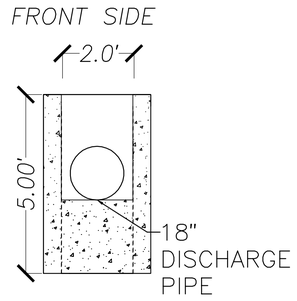
ATTACHMENT 3 – Vault and Riser Detail

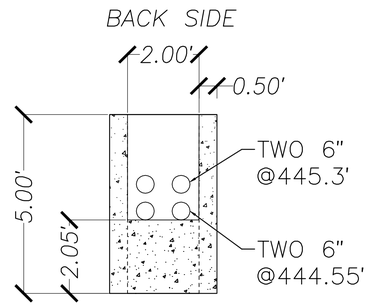
DETENTION VAULT 1
LOW ORIFICE DETAIL (B)

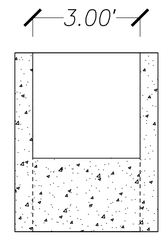
SCALE 1"=0.5'



PLAN VIEW

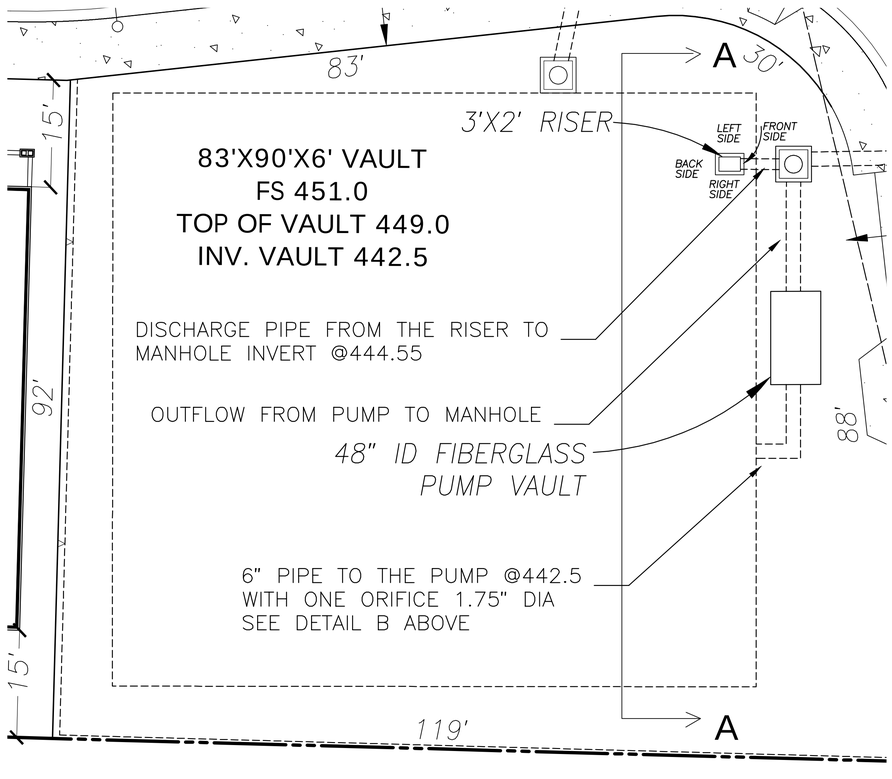






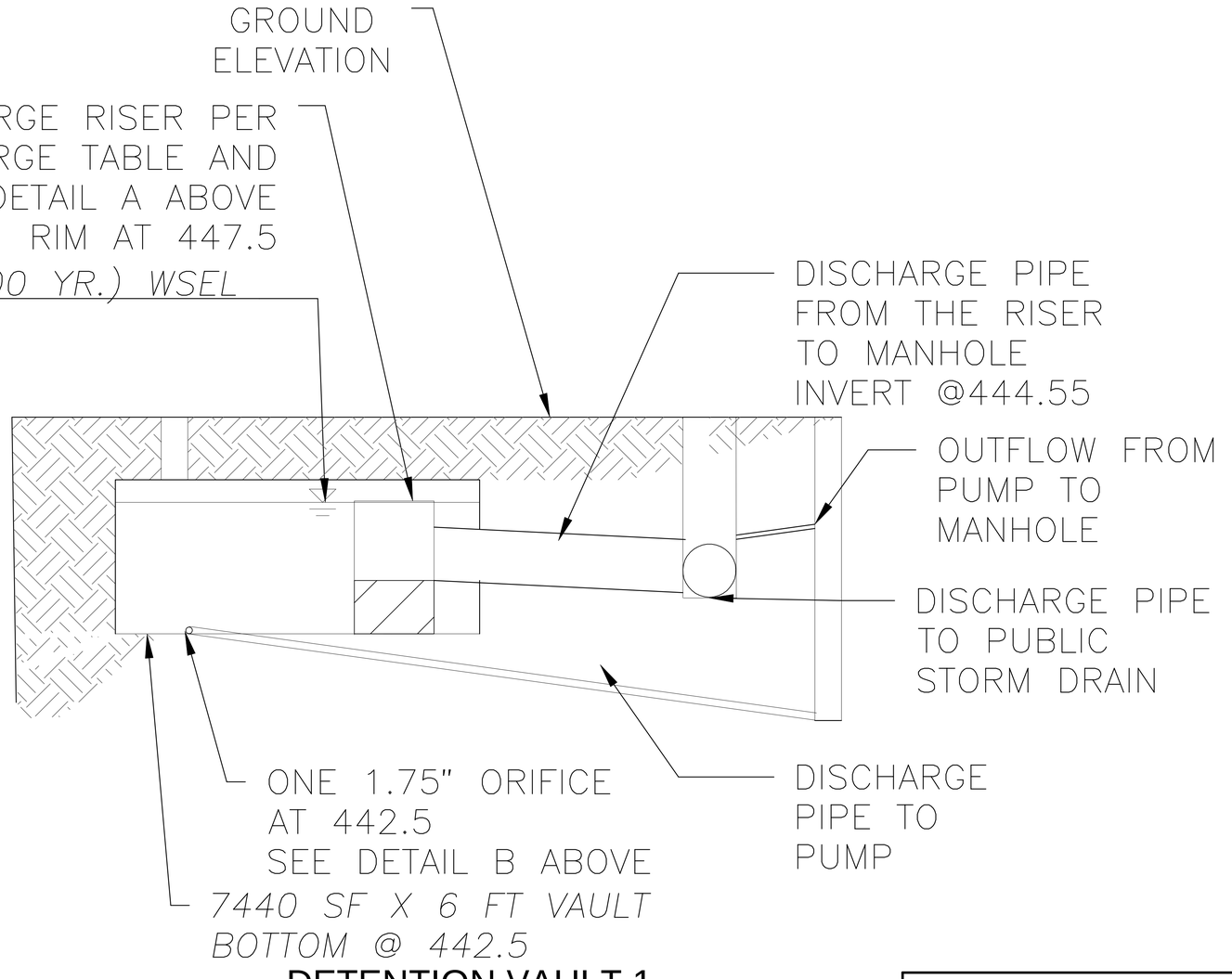
DETENTION VAULT 1
RISER DETAIL (A)

2 0 2 4 6
SCALE 1"= 2'



DETENTION VAULT 1
PLAN VIEW

0 10 20 30
SCALE 1" =10'



DETENTION VAULT 1
DETAIL A-A

NOT TO SCALE

VAULT OUTLET STRUCTURE DETAILS
HARMON OAKS

CITY OF POWAY, CALIFORNIA

ATTACHMENT 4 - SWMM Input and Output Data (pre-deveoped and Proposed Models)

ATTACHMENT 5 - SWMM Explanation of Significant Variables

In the prior section the viewer can view the associated input and output parameters within the EPA-SWMM Model in both pre-development and post-development conditions. Each portion, i.e., sub-catchments, outfalls, storage units, weir as a discharge, and outfalls (point of compliance), are also shown.

Variables for modeling are associated with typical recommended values by the EPA-SWMM model. Recommended values for the SWMM model have been attained from City of Poway BMP Design Manual-Appendix G (San Diego County HMP Permit for the SWMM Model).

Soil characteristics of the existing soils were determined from the USGS sources.

Description of model parameters and assumptions:

N-Imperv – Manning's N for impervious surfaces

0.012 (typical)

N-Perv – Manning's N for pervious surfaces

0.15 (typical)

Dstore-Imperv – Depth of depression storage on impervious area (in)

0.05 (typical)

Dstore-Perv – Depth of depression storage on pervious area (in)

0.1 (typical)

%Zero-Imperv – Percentage of impervious area with no depression storage (%)

25 (typical)

Suction Head – Soil capillary suction head (in)

Conductivity – Soil saturated hydraulic conductivity (in/hr)

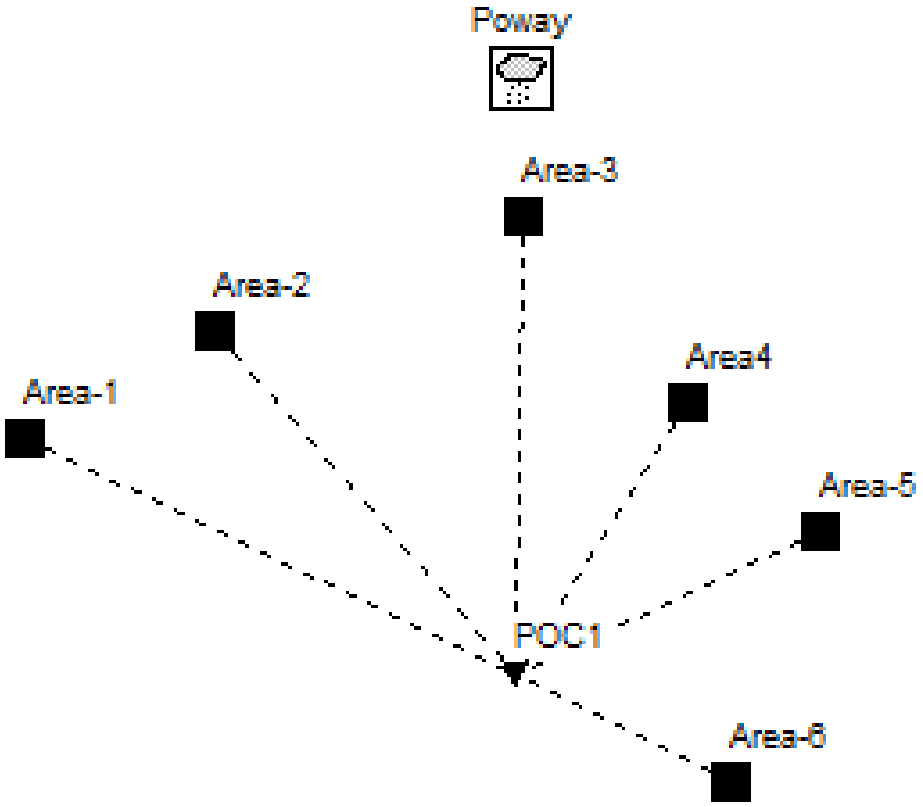
-75% of these values if subcatchment has concrete or asphalt

Initial Deficit – Initial moisture deficit (fraction)

Soil Type	Suction Head	Conductivity	Initial Deficit
A	1.5	0.3	0.30
B	3	0.2	0.31
C	6	0.1	0.32
D	9	0.025	0.33

NOTE: These values are based on City Poway's BMP Manual in Appendix G.

POC 1 – Pre-Developed Condition



```
[TITLE]
;;Project Title/Notes
Harmon Oaks,Pre-develped Conditions

[OPTIONS]
;;Option             Value
FLOW_UNITS           CFS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         KINWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           10/04/1962
START_TIME           15:00:00
REPORT_START_DATE    10/04/1962
REPORT_START_TIME    15:00:00
END_DATE             05/23/2008
END_TIME             15:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          01:00:00
WET_STEP             00:15:00
DRY_STEP             04:00:00
ROUTING_STEP         0:01:00
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           8
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
MONTHLY          0.07   0.1    0.13   0.17   0.19   0.22   0.24   0.22   0.19   0.13   0.09   0.06
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- ------ ------ ----------
Poway            INTENSITY 1:00     1.0      TIMESERIES Poway
```

```
[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- ----------------
;Offsite slope drains through the site and not to be disturbed in proposed conditions-Soil Type D
;(Runoff to be bypassed in proposed conditions)
Area-3           Poway            POC1             0.98     0        50       10.28    0
;Offsite Developed area not to be disturbed in proposed conditions- Soil Type D
;(Offsite runoff not to be commingled with the on site flows in proposed conditions)
Area4            Poway            POC1             0.44     79.2     51       1.46     0
;Area to be disturbed in the proposed conditions- Soil Type D
;(Southern Project Area)
Area-5           Poway            POC1             0.475    0        94       2.32     0
;Area to be disturbed in the proposed conditions- Soil Type D
Area-1           Poway            POC1             7.819    0        500      5.49     0
;Existing Development not to be disturbed in proposed conditions - Soil T
;(Offsite area and A historic home to remain- Runoff to be bypassed in proposed conditions)
Area-2           Poway            POC1             2.86     69.1     100      1.48     0
;Offsite and onsite natural slopes not to be disturbed in proposed conditions- Soil Type A
;(drains away from the proposed development)
Area-6           Poway            POC1             1.11     0        123      0.51     0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
Area-3           0.012      0.15       0.05       0.1        25         OUTLET
Area4            0.012      0.15       0.05       0.1        25         OUTLET
Area-5           0.012      0.15       0.05       0.1        25         OUTLET
Area-1           0.012      0.15       0.05       0.1        25         OUTLET
Area-2           0.012      0.15       0.05       0.1        25         OUTLET
Area-6           0.012      0.15       0.05       0.1        25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    Ksat       IMD
;;-------------- ---------- ---------- ----------
Area-3           9          0.025      0.33
Area4            9          0.01875    0.33
Area-5           9          0.01875    0.33
Area-1           9          0.01875    0.33
Area-2           9          0.01875    0.33
Area-6           1.5        0.3        0.3

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
POC1             0          FREE                        NO

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
Stage-Discharge  Rating     0.00       0.0000
Stage-Discharge             0.05       0.0021
```

Stage-Discharge	0.10	0.0064
Stage-Discharge	0.15	0.0088
Stage-Discharge	0.20	0.0106
Stage-Discharge	0.25	0.0122
Stage-Discharge	0.30	0.0136
Stage-Discharge	0.35	0.0148
Stage-Discharge	0.40	0.0160
Stage-Discharge	0.45	0.0171
Stage-Discharge	0.50	0.0181
Stage-Discharge	0.55	0.0190
Stage-Discharge	0.60	0.0200
Stage-Discharge	0.65	0.0208
Stage-Discharge	0.70	0.0217
Stage-Discharge	0.75	0.0225
Stage-Discharge	0.80	0.0233
Stage-Discharge	0.85	0.0240
Stage-Discharge	0.90	0.0247
Stage-Discharge	0.95	0.0254
Stage-Discharge	1.00	0.0261
Stage-Discharge	1.05	0.0268
Stage-Discharge	1.10	0.0275
Stage-Discharge	1.15	0.0281
Stage-Discharge	1.20	0.0287
Stage-Discharge	1.25	0.0293
Stage-Discharge	1.30	0.0300
Stage-Discharge	1.35	0.0305
Stage-Discharge	1.40	0.0311
Stage-Discharge	1.45	0.0317
Stage-Discharge	1.50	0.0322
Stage-Discharge	1.55	0.0328
Stage-Discharge	1.60	0.0333
Stage-Discharge	1.65	0.0339
Stage-Discharge	1.70	0.0344
Stage-Discharge	1.75	0.0349
Stage-Discharge	1.80	0.0354
Stage-Discharge	1.85	0.0480
Stage-Discharge	1.90	0.0833
Stage-Discharge	1.95	0.1398
Stage-Discharge	2.00	0.2156
Stage-Discharge	2.05	0.3088
Stage-Discharge	2.10	0.4174
Stage-Discharge	2.15	0.5390
Stage-Discharge	2.20	0.6713
Stage-Discharge	2.25	0.8120
Stage-Discharge	2.30	0.9584
Stage-Discharge	2.35	1.0935
Stage-Discharge	2.40	1.1783
Stage-Discharge	2.45	1.2572
Stage-Discharge	2.50	1.3314
Stage-Discharge	2.55	1.4016
Stage-Discharge	2.60	1.4684
Stage-Discharge	2.65	1.5382

Stage-Discharge	2.70	1.6168
Stage-Discharge	2.75	1.7037
Stage-Discharge	2.80	1.7983
Stage-Discharge	2.85	1.8996
Stage-Discharge	2.90	2.0070
Stage-Discharge	2.95	2.1194
Stage-Discharge	3.00	2.2357
Stage-Discharge	3.05	2.3548
Stage-Discharge	3.10	2.4757
Stage-Discharge	3.15	2.5897
Stage-Discharge	3.20	2.6776
Stage-Discharge	3.25	2.7616
Stage-Discharge	3.30	2.8422
Stage-Discharge	3.35	2.9200
Stage-Discharge	3.40	2.9953
Stage-Discharge	3.45	3.0684
Stage-Discharge	3.50	3.1394
Stage-Discharge	3.55	3.2086
Stage-Discharge	3.60	3.2761
Stage-Discharge	3.65	3.3420
Stage-Discharge	3.70	3.4065
Stage-Discharge	3.75	3.4697
Stage-Discharge	3.80	3.5316
Stage-Discharge	3.85	3.5924
Stage-Discharge	3.90	3.6520
Stage-Discharge	3.95	3.7107
Stage-Discharge	4.00	3.7683
Stage-Discharge	4.05	3.8250
Stage-Discharge	4.10	3.8808
Stage-Discharge	4.15	3.9358
Stage-Discharge	4.20	3.9899
Stage-Discharge	4.25	4.0434
Stage-Discharge	4.30	4.0960
Stage-Discharge	4.35	4.1480
Stage-Discharge	4.40	4.1993
Stage-Discharge	4.45	4.2500
Stage-Discharge	4.50	4.3000
Stage-Discharge	4.55	4.3494
Stage-Discharge	4.60	4.3983
Stage-Discharge	4.65	4.4466
Stage-Discharge	4.70	4.4943
Stage-Discharge	4.75	4.5416
Stage-Discharge	4.80	4.5883
Stage-Discharge	4.85	4.6346
Stage-Discharge	4.90	4.6803
Stage-Discharge	4.95	4.7257
Stage-Discharge	5.00	4.7706
Stage-Discharge	5.05	5.1129
Stage-Discharge	5.10	5.7015
Stage-Discharge	5.15	6.4503
Stage-Discharge	5.20	7.3287
Stage-Discharge	5.25	8.3188

```
Stage-Discharge             5.30       9.4087
Stage-Discharge             5.35       10.5895
Stage-Discharge             5.40       11.8546
Stage-Discharge             5.45       13.1984
Stage-Discharge             5.50       14.6163
Stage-Discharge             5.55       16.1046
Stage-Discharge             5.60       17.6600
Stage-Discharge             5.65       19.2796
Stage-Discharge             5.70       20.9608
Stage-Discharge             5.75       22.7015
Stage-Discharge             5.80       24.4996
Stage-Discharge             5.85       26.3532
Stage-Discharge             5.90       28.2608
Stage-Discharge             5.95       30.2207
Stage-Discharge             6.00       32.2317
;
Stage-Storage    Storage    0.00       7200
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Stage-Storage               0.10       7200
Stage-Storage               0.15       7200
Stage-Storage               0.20       7200
Stage-Storage               0.25       7200
Stage-Storage               0.30       7200
Stage-Storage               0.35       7200
Stage-Storage               0.40       7200
Stage-Storage               0.45       7200
Stage-Storage               0.50       7200
Stage-Storage               0.55       7200
Stage-Storage               0.60       7200
Stage-Storage               0.65       7200
Stage-Storage               0.70       7200
Stage-Storage               0.75       7200
Stage-Storage               0.80       7200
Stage-Storage               0.85       7200
Stage-Storage               0.90       7200
Stage-Storage               0.95       7200
Stage-Storage               1.00       7200
Stage-Storage               1.05       7200
Stage-Storage               1.10       7200
Stage-Storage               1.15       7200
Stage-Storage               1.20       7200
Stage-Storage               1.25       7200
Stage-Storage               1.30       7200
Stage-Storage               1.35       7200
Stage-Storage               1.40       7200
Stage-Storage               1.45       7200
Stage-Storage               1.50       7200
Stage-Storage               1.55       7200
Stage-Storage               1.60       7200
Stage-Storage               1.65       7200
Stage-Storage               1.70       7200
Stage-Storage               1.75       7200
```

Stage-Storage	1.80	7200
Stage-Storage	1.85	7200
Stage-Storage	1.90	7200
Stage-Storage	1.95	7200
Stage-Storage	2.00	7200
Stage-Storage	2.05	7200
Stage-Storage	2.10	7200
Stage-Storage	2.15	7200
Stage-Storage	2.20	7200
Stage-Storage	2.25	7200
Stage-Storage	2.30	7200
Stage-Storage	2.35	7200
Stage-Storage	2.40	7200
Stage-Storage	2.45	7200
Stage-Storage	2.50	7200
Stage-Storage	2.55	7200
Stage-Storage	2.60	7200
Stage-Storage	2.65	7200
Stage-Storage	2.70	7200
Stage-Storage	2.75	7200
Stage-Storage	2.80	7200
Stage-Storage	2.85	7200
Stage-Storage	2.90	7200
Stage-Storage	2.95	7200
Stage-Storage	3.00	7200
Stage-Storage	3.05	7200
Stage-Storage	3.10	7200
Stage-Storage	3.15	7200
Stage-Storage	3.20	7200
Stage-Storage	3.25	7200
Stage-Storage	3.30	7200
Stage-Storage	3.35	7200
Stage-Storage	3.40	7200
Stage-Storage	3.45	7200
Stage-Storage	3.50	7200
Stage-Storage	3.55	7200
Stage-Storage	3.60	7200
Stage-Storage	3.65	7200
Stage-Storage	3.70	7200
Stage-Storage	3.75	7200
Stage-Storage	3.80	7200
Stage-Storage	3.85	7200
Stage-Storage	3.90	7200
Stage-Storage	3.95	7200
Stage-Storage	4.00	7200
Stage-Storage	4.05	7200
Stage-Storage	4.10	7200
Stage-Storage	4.15	7200
Stage-Storage	4.20	7200
Stage-Storage	4.25	7200
Stage-Storage	4.30	7200
Stage-Storage	4.35	7200

```
Stage-Storage              4.40       7200
Stage-Storage              4.45       7200
Stage-Storage              4.50       7200
Stage-Storage              4.55       7200
Stage-Storage              4.60       7200
Stage-Storage              4.65       7200
Stage-Storage              4.70       7200
Stage-Storage              4.75       7200
Stage-Storage              4.80       7200
Stage-Storage              4.85       7200
Stage-Storage              4.90       7200
Stage-Storage              4.95       7200
Stage-Storage              5.00       7200
Stage-Storage              5.05       7200
Stage-Storage              5.10       7200
Stage-Storage              5.15       7200
Stage-Storage              5.20       7200
Stage-Storage              5.25       7200
Stage-Storage              5.30       7200
Stage-Storage              5.35       7200
Stage-Storage              5.40       7200
Stage-Storage              5.45       7200
Stage-Storage              5.50       7200
Stage-Storage              5.55       7200
Stage-Storage              5.60       7200
Stage-Storage              5.65       7200
Stage-Storage              5.70       7200
Stage-Storage              5.75       7200
Stage-Storage              5.80       7200
Stage-Storage              5.85       7200
Stage-Storage              5.90       7200
Stage-Storage              5.95       7200
Stage-Storage              6.00       7200

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
Poway            FILE "R:\1713\Hyd\HMP\Calcs\SWMM\02nd 12-01-2022\poway.dat"

[REPORT]
;;Reporting Options
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

[MAP]
DIMENSIONS 0.000 0.000 10000.000 10000.000
Units      None

[COORDINATES]
```

```
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
POC1             4925.865           5453.048

[VERTICES]
;;Link           X-Coord            Y-Coord
;;-------------- ------------------ ------------------

[Polygons]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
Area-3           4958.814           7767.710
Area4            5783.451           6830.986
Area-5           6461.268           6188.380
Area-1           2447.034           6652.542
Area-2           3397.887           7191.901
Area-6           6004.942           4917.628

[SYMBOLS]
;;Gage           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
Poway            4975.288           8443.163
```

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.014)

Harmon Oaks,Pre-develped Conditions

****
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... NO
  Water Quality ..... NO
Infiltration Method ..... GREEN_AMPT
Starting Date 10/04/1962 15:00:00
Ending Date 05/23/2008 15:00:00
Antecedent Dry Days 0.0
Report Time Step 01:00:00
Wet Time Step 00:15:00
Dry Time Step 04:00:00

Runoff Quantity Continuity	Volume acre-feet	Depth inches
Total Precipitation	636.511	558.180
Evaporation Loss	44.910	39.383
Infiltration Loss	418.229	366.760
Surface Runoff	177.857	155.969
Final Storage	0.016	0.014
Continuity Error (%)	-0.707	

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	177.855	57.957
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000

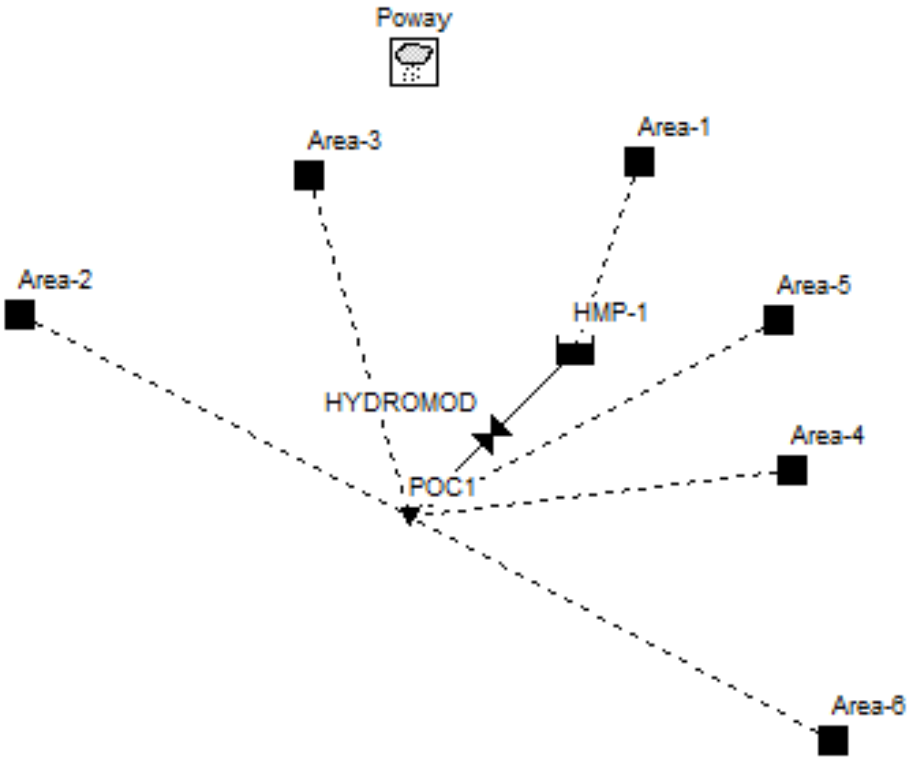
External Outflow	177.855	57.957
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Imperv Runoff in	Perv Runoff in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
Area-3	558.18	0.00	21.83	454.01	0.00	85.57	85.57	2.28	0.61	0.153
Area4	558.18	0.00	89.18	86.48	362.80	25.28	388.08	4.64	0.35	0.695
Area-5	558.18	0.00	26.67	421.56	0.00	114.54	114.54	1.48	0.34	0.205
Area-1	558.18	0.00	28.00	427.10	0.00	107.64	107.64	22.85	4.90	0.193
Area-2	558.18	0.00	86.07	132.24	310.51	32.94	343.45	26.67	2.12	0.615
Area-6	558.18	0.00	0.45	556.62	0.00	1.23	1.23	0.04	0.22	0.002

Analysis begun on: Thu Dec 1 13:09:13 2022
Analysis ended on: Thu Dec 1 13:09:30 2022
Total elapsed time: 00:00:17

POC 1 – Developed Condition



```
[TITLE]
;;Project Title/Notes
Harmon Oaks,Post-develped Conditions

[OPTIONS]
;;Option             Value
FLOW_UNITS           CFS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         KINWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           10/04/1962
START_TIME           15:00:00
REPORT_START_DATE    10/04/1962
REPORT_START_TIME    15:00:00
END_DATE             05/23/2008
END_TIME             15:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          01:00:00
WET_STEP             00:15:00
DRY_STEP             04:00:00
ROUTING_STEP         0:01:00
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           8
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
MONTHLY          0.07   0.1    0.13   0.17   0.19   0.22   0.24   0.22   0.19   0.13   0.09   0.06
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- ------ ------ ----------
Poway            INTENSITY 1:00     1.0      TIMESERIES Poway
```

```
[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- ----------------
;Offsite slope drains through the site and not to be disturbed in proposed conditions+ Self Mitigating proposed  slopes-Soil Type D
;Runoff to be bypassed
Area-3           Poway            POC1             0.98     0        50       10.28    0
;Offsite Developed area not to be disturbed in proposed conditions- Soil Type D
;(Offsite runoff not to be commingled with the on site flows in proposed conditions)
Area-4           Poway            POC1             0.44     79.2     51       1.46     0
;Disturbed Area - Soil Type D
; (Southern Project Area)
Area-5           Poway            POC1             0.475    55.1     94       2.32     0
;Disturbed area- Soil Type D
;(Northern Project Area)
Area-1           Poway            HMP-1            7.819    66.4     341      4.65     0
;Existing Development not to be disturbed in proposed conditions - Soil Type D
;Offsite area and historic home to remain- Runoff to be bypassed in proposed conditions
Area-2           Poway            POC1             2.86     69.1     100      1.48     0
;Offsite and onsite natural slopes not to be disturbed in proposed conditions- Soil Type A
;(drains away from the proposed development)
Area-6           Poway            POC1             1.11     0        123      0.51     0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
Area-3           0.012      0.15       0.05       0.1        25         OUTLET
Area-4           0.012      0.15       0.05       0.1        25         OUTLET
Area-5           0.012      0.15       0.05       0.1        25         OUTLET
Area-1           0.012      0.15       0.05       0.1        25         OUTLET
Area-2           0.012      0.15       0.05       0.1        25         OUTLET
Area-6           0.012      0.15       0.05       0.1        25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    Ksat       IMD
;;-------------- ---------- ---------- ----------
Area-3           9          0.025      0.33
Area-4           9          0.01875    0.33
Area-5           9          0.01875    0.33
Area-1           9          0.01875    0.33
Area-2           9          0.01875    0.33
Area-6           1.5        0.3        0.3

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
POC1             0          FREE                        NO
100Year-Vault-discharge 0          FREE                        NO

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape      Curve Name/Params            N/A      Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ---------- ---------------------------- -------- --------          -------- --------
```

```
HMP-1            0        5.67       0          TABULAR    Stage-Storage                0        0
Detention-Node-74 0        6          0          TABULAR    Stage-Storage                0        0

[OUTLETS]
;;Name           From Node        To Node          Offset     Type            QTable/Qcoeff    Qexpon     Gated
;;-------------- ---------------- ---------------- ---------- --------------- ---------------- ---------- --------
HYDROMOD         HMP-1            POC1             0          TABULAR/HEAD    Stage-Discharge             NO
vault-OutletStructure Detention-Node-74 100Year-Vault-discharge 0          TABULAR/DEPTH   Stage-Discharge             NO

[INFLOWS]
;;Node           Constituent      Time Series      Type     Mfactor  Sfactor  Baseline Pattern
;;-------------- ---------------- ---------------- -------- -------- -------- -------- --------
Detention-Node-74 FLOW             100-Year-Inflow-Hydrograph FLOW     1.0      1.0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
Stage-Discharge  Rating     0.0        0.0000
Stage-Discharge             0.1        0.0111
Stage-Discharge             0.2        0.0291
Stage-Discharge             0.3        0.0390
Stage-Discharge             0.4        0.0468
Stage-Discharge             0.5        0.0534
Stage-Discharge             0.6        0.0594
Stage-Discharge             0.7        0.0647
Stage-Discharge             0.8        0.0697
Stage-Discharge             0.9        0.0744
Stage-Discharge             1.0        0.0787
Stage-Discharge             1.1        0.0829
Stage-Discharge             1.2        0.0868
Stage-Discharge             1.3        0.0906
Stage-Discharge             1.4        0.0942
Stage-Discharge             1.5        0.0977
Stage-Discharge             1.6        0.1010
Stage-Discharge             1.7        0.1043
Stage-Discharge             1.8        0.1075
Stage-Discharge             1.9        0.1105
Stage-Discharge             2.0        0.1135
Stage-Discharge             2.1        0.1285
Stage-Discharge             2.2        0.2221
Stage-Discharge             2.3        0.3930
Stage-Discharge             2.4        0.6250
Stage-Discharge             2.5        0.8997
Stage-Discharge             2.6        1.1829
Stage-Discharge             2.7        1.3483
Stage-Discharge             2.8        1.4943
Stage-Discharge             2.9        1.6735
Stage-Discharge             3.0        1.9265
Stage-Discharge             3.1        2.2408
Stage-Discharge             3.2        2.6004
Stage-Discharge             3.3        2.9876
Stage-Discharge             3.4        3.3026
```

```
Stage-Discharge             3.5        3.5468
Stage-Discharge             3.6        3.7710
Stage-Discharge             3.7        3.9801
Stage-Discharge             3.8        4.1770
Stage-Discharge             3.9        4.3639
Stage-Discharge             4.0        4.5422
Stage-Discharge             4.1        4.7130
Stage-Discharge             4.2        4.8774
Stage-Discharge             4.3        5.0360
Stage-Discharge             4.4        5.1894
Stage-Discharge             4.5        5.3382
Stage-Discharge             4.6        5.4827
Stage-Discharge             4.7        5.6233
Stage-Discharge             4.8        5.7603
Stage-Discharge             4.9        5.8940
Stage-Discharge             5.0        6.0247
Stage-Discharge             5.1        7.2055
Stage-Discharge             5.2        9.2560
Stage-Discharge             5.3        11.8718
Stage-Discharge             5.4        14.9446
Stage-Discharge             5.5        18.4116
Stage-Discharge             5.6        22.2305
Stage-Discharge             5.70       26.3705
Stage-Discharge             5.8        30.8075
Stage-Discharge             5.9        35.5221
Stage-Discharge             6.0        40.4985
;
Stage-Storage    Storage    0.0        7440
Stage-Storage               6          7440

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
Poway            FILE "R:\1713\Hyd\HMP\Calcs\SWMM\02nd 12-01-2022\poway.dat"
;
100-Year-Inflow-Hydrograph 10/4/1962  15:00      0
100-Year-Inflow-Hydrograph 10/4/1962  15:08      0.9
100-Year-Inflow-Hydrograph 10/4/1962  15:16      0.9
100-Year-Inflow-Hydrograph 10/4/1962  15:24      1
100-Year-Inflow-Hydrograph 10/4/1962  15:32      1
100-Year-Inflow-Hydrograph 10/4/1962  15:40      1
100-Year-Inflow-Hydrograph 10/4/1962  15:48      1
100-Year-Inflow-Hydrograph 10/4/1962  15:56      1.1
100-Year-Inflow-Hydrograph 10/4/1962  16:04      1.1
100-Year-Inflow-Hydrograph 10/4/1962  16:12      1.1
100-Year-Inflow-Hydrograph 10/4/1962  16:20      1.2
100-Year-Inflow-Hydrograph 10/4/1962  16:28      1.2
100-Year-Inflow-Hydrograph 10/4/1962  16:36      1.2
100-Year-Inflow-Hydrograph 10/4/1962  16:44      1.3
100-Year-Inflow-Hydrograph 10/4/1962  16:52      1.3
100-Year-Inflow-Hydrograph 10/4/1962  17:00      1.4
100-Year-Inflow-Hydrograph 10/4/1962  17:08      1.4
```

```
100-Year-Inflow-Hydrograph 10/4/1962  17:16      1.5
100-Year-Inflow-Hydrograph 10/4/1962  17:24      1.6
100-Year-Inflow-Hydrograph 10/4/1962  17:32      1.7
100-Year-Inflow-Hydrograph 10/4/1962  17:40      1.8
100-Year-Inflow-Hydrograph 10/4/1962  17:48      1.9
100-Year-Inflow-Hydrograph 10/4/1962  17:56      2
100-Year-Inflow-Hydrograph 10/4/1962  18:04      2.2
100-Year-Inflow-Hydrograph 10/4/1962  18:12      2.4
100-Year-Inflow-Hydrograph 10/4/1962  18:20      2.7
100-Year-Inflow-Hydrograph 10/4/1962  18:28      2.9
100-Year-Inflow-Hydrograph 10/4/1962  18:36      3.6
100-Year-Inflow-Hydrograph 10/4/1962  18:44      4.1
100-Year-Inflow-Hydrograph 10/4/1962  18:52      6
100-Year-Inflow-Hydrograph 10/4/1962  19:00      8.1
100-Year-Inflow-Hydrograph 10/4/1962  19:08      30.6
100-Year-Inflow-Hydrograph 10/4/1962  19:16      4.8
100-Year-Inflow-Hydrograph 10/4/1962  19:24      3.2
100-Year-Inflow-Hydrograph 10/4/1962  19:32      2.5
100-Year-Inflow-Hydrograph 10/4/1962  19:40      2.1
100-Year-Inflow-Hydrograph 10/4/1962  19:48      1.8
100-Year-Inflow-Hydrograph 10/4/1962  19:56      1.6
100-Year-Inflow-Hydrograph 10/4/1962  20:04      1.5
100-Year-Inflow-Hydrograph 10/4/1962  20:12      1.4
100-Year-Inflow-Hydrograph 10/4/1962  20:20      1.3
100-Year-Inflow-Hydrograph 10/4/1962  20:28      1.2
100-Year-Inflow-Hydrograph 10/4/1962  20:36      1.1
100-Year-Inflow-Hydrograph 10/4/1962  20:44      1.1
100-Year-Inflow-Hydrograph 10/4/1962  20:52      1
100-Year-Inflow-Hydrograph 10/4/1962  21:00      1
100-Year-Inflow-Hydrograph 10/4/1962  21:08      0

[REPORT]
;;Reporting Options
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

[MAP]
DIMENSIONS 0.000 0.000 10000.000 10000.000
Units      None

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
POC1             4925.865           5453.048
100Year-Vault-discharge 13019.900          4895.522
HMP-1            5996.705           6540.362
Detention-Node-74 12930.348          6348.259

[VERTICES]
```

```
;;Link           X-Coord            Y-Coord
;;-------------- ------------------ ------------------

[Polygons]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
Area-3           4255.319           7730.496
Area-4           7447.183           5774.648
Area-5           7359.155           6760.563
Area-1           6436.170           7819.149
Area-2           2340.426           6790.780
Area-6           7728.873           3978.873

[SYMBOLS]
;;Gage           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
Poway            4975.288           8443.163
```

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.014)

Harmon Oaks,Post-develped Conditions

****
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... GREEN_AMPT
Flow Routing Method ..... KINWAVE
Starting Date 10/04/1962 15:00:00
Ending Date 05/23/2008 15:00:00
Antecedent Dry Days 0.0
Report Time Step 01:00:00
Wet Time Step 00:15:00
Dry Time Step 04:00:00
Routing Time Step ..... 60.00 sec

Runoff Quantity Continuity	Volume acre-feet	Depth inches
Total Precipitation	636.511	558.180
Evaporation Loss	80.385	70.493
Infiltration Loss	223.125	195.666
Surface Runoff	337.826	296.252
Final Storage	0.048	0.042
Continuity Error (%)	-0.766	

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	337.817	110.083

Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	1.287	0.419
External Outflow	339.034	110.479
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.017	0.006
Continuity Error (%)	0.016	

****
Highest Flow Instability Indexes
****
All links are stable.

****
Routing Time Step Summary
****

Minimum Time Step	:	60.00 sec
Average Time Step	:	60.00 sec
Maximum Time Step	:	60.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	1.00
Percent Not Converging	:	0.00

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Imperv Runoff in	Perv Runoff in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
Area-3	558.18	0.00	21.83	454.01	0.00	85.57	85.57	2.28	0.61	0.153
Area-4	558.18	0.00	89.18	86.48	362.80	25.28	388.08	4.64	0.35	0.695
Area-5	558.18	0.00	67.66	186.68	256.27	54.56	310.83	4.01	0.37	0.557
Area-1	558.18	0.00	79.96	141.93	303.05	38.17	341.22	72.45	6.05	0.611
Area-2	558.18	0.00	86.07	132.24	310.51	32.94	343.45	26.67	2.12	0.615
Area-6	558.18	0.00	0.45	556.62	0.00	1.23	1.23	0.04	0.22	0.002

****
Node Depth Summary
****

	Average	Maximum	Maximum	Time of Max	Reported

Node	Type	Depth Feet	Depth Feet	HGL Feet	Occurrence days	Occurrence hr:min	Max Depth Feet
POC1	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
100Year-Vault-discharge	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
HMP-1	STORAGE	0.07	3.64	3.64	6348	09:10	3.54
Detention-Node-74	STORAGE	0.00	4.99	4.99	0	04:17	4.00

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days	Time of Max Occurrence hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
POC1	OUTFALL	3.68	7.36	6348	09:01	37.6	110	0.000
100Year-Vault-discharge	OUTFALL	0.00	6.01	0	04:17	0	0.419	0.000
HMP-1	STORAGE	6.05	6.05	6348	09:01	72.4	72.4	0.024
Detention-Node-74	STORAGE	30.60	30.60	0	04:09	0.419	0.419	0.079

****
Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days	Time of Max Occurrence hr:min	Maximum Outflow CFS
HMP-1	0.487	1	0	0	27.069	64	6348	09:09	3.85
Detention-Node-74	0.002	0	0	0	37.120	83	0	04:17	6.01

****
Outfall Loading Summary
****

Flow Freq	Avg Flow	Max Flow	Total Volume

Outfall Node	Pcnt	CFS	CFS	10^6 gal
POC1	17.32	0.06	7.36	110.052
100Year-Vault-discharge	0.03	0.13	6.01	0.419
System	8.68	0.19	6.01	110.471

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days	Time of Max Occurrence hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
HYDROMOD	DUMMY	3.85	6348	09:10			
vault-OutletStructure	DUMMY	6.01	0	04:17			

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Thu Dec 1 16:41:15 2022
Analysis ended on: Thu Dec 1 16:41:45 2022
Total elapsed time: 00:00:30

EXPLANATION OF SELECTED VARIABLES

Parameters for the pre- and post-developed models include soil types A & D in accordance with the USGS Soil Survey Map (attached at the end of this appendix). Suction head, conductivity and initial deficit corresponds to average values expected for the soil types, according to sources consulted, professional experience, and approximate values obtained by City of Poway BMP Design Manual Appendix G.

Selection of a Kinematic Approach: As the continuous model is based on hourly rainfall, and the time of concentration for the pre-development and post-development conditions is significantly smaller than 60 minutes, precise routing of the flows through the impervious surfaces, the underdrain pipe system, and the discharge pipe was considered unnecessary. The truncation error of the precipitation into hourly steps is much more significant than the precise routing in a system where the time of concentration is much smaller than 1 hour.

Explanation of Significant Variables

Height:
The storage depth variable within the SWMM model is representative of the storage volume provided in the vault.

Seepage Rate:
The seepage rate is directly input from the geotechnical report. Equals to 0 in no infiltration\ closed bottom vault

Orifice Equation:

The general orifice equation can be expressed as:

$$Q = \frac{\pi}{4} c_g \frac{D^2}{144} \sqrt{2g \frac{(H - H_D)}{12}} \qquad (1)$$

where Q is the peak flow in cfs, D is the diameter in inches, c g is the typical discharge coefficient for orifices (0.61-0.63 for thin walls and around 0.75-0.8 for thick walls), g is the acceleration of gravity in ft/s^2, H D is the elevation of the centroid of the orifice in inches, and H is the depth of the water in inches in Equation (1).

Note:
The complete storage and rating curves and the respective explanation is shown at the end of this appendix. A variable area vs. elevation storage curve was used for the proposed model, and a discharge that is a function of the outlet structure in the surface was used also.

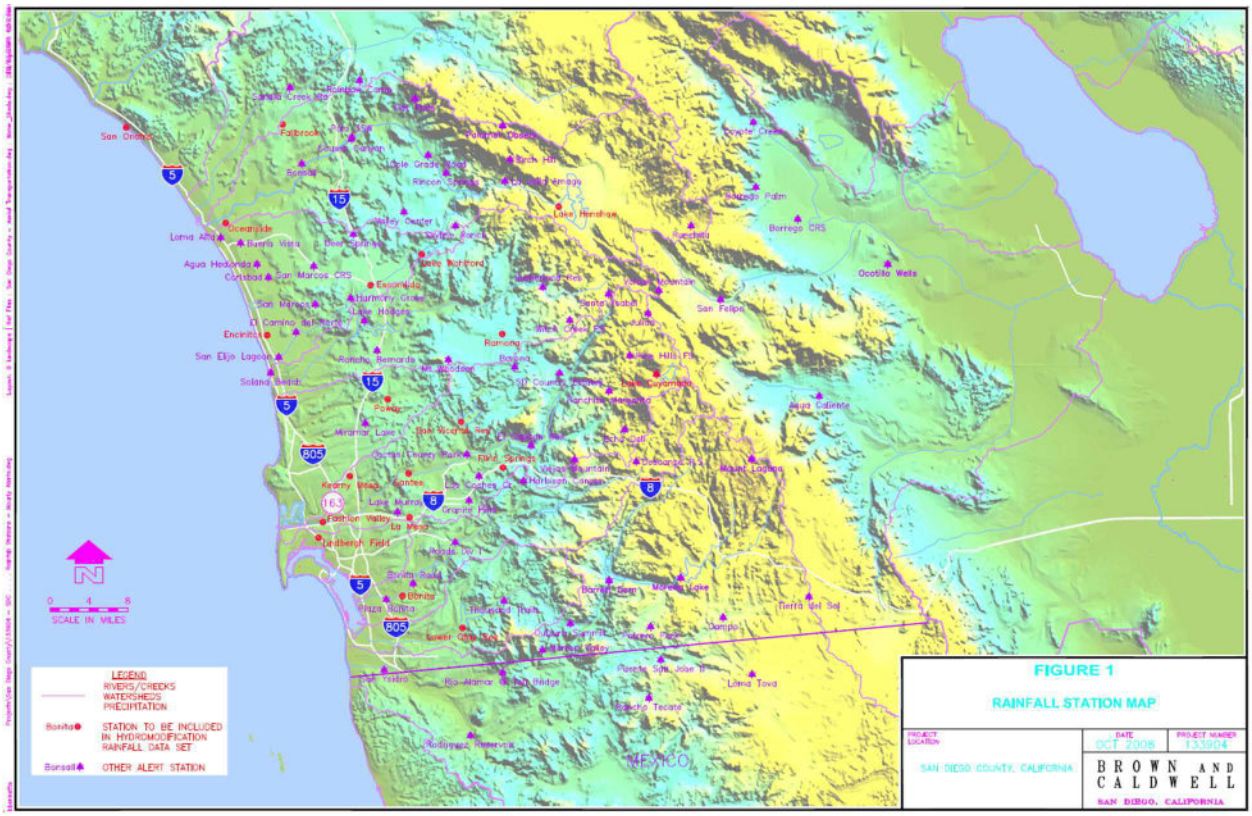


Figure G.1-1: Rainfall Station Map

Project applicants preparing continuous simulation models shall select the most appropriate rainfall data set from the rainfall record files provided on the Project Clean Water website. For a given project location, the following factors should be considered in the selection of the appropriate rainfall data set:

- In most cases, the rainfall data set in closest proximity to the project site will be the appropriate choice (refer to the rainfall station map).
- In some cases, the rainfall data set in closest proximity to the project site may not be the most applicable data set. Such a scenario could involve a data set with an elevation significantly different from the project site. In addition to a simple elevation comparison, the project proponent may also consult with the San Diego County's average annual precipitation isopluvial map, which is provided in the San Diego County Hydrology Manual (2003). Review of this map could provide an initial estimate as to whether the project site is in a similar rainfall zone as compared to the rainfall stations. Generally, precipitation totals in San Diego County increase with increasing elevation.
- Where possible, rainfall data sets should be chosen so that the data set and the project location are both located in the same topographic zone (coastal, foothill, mountain) and major

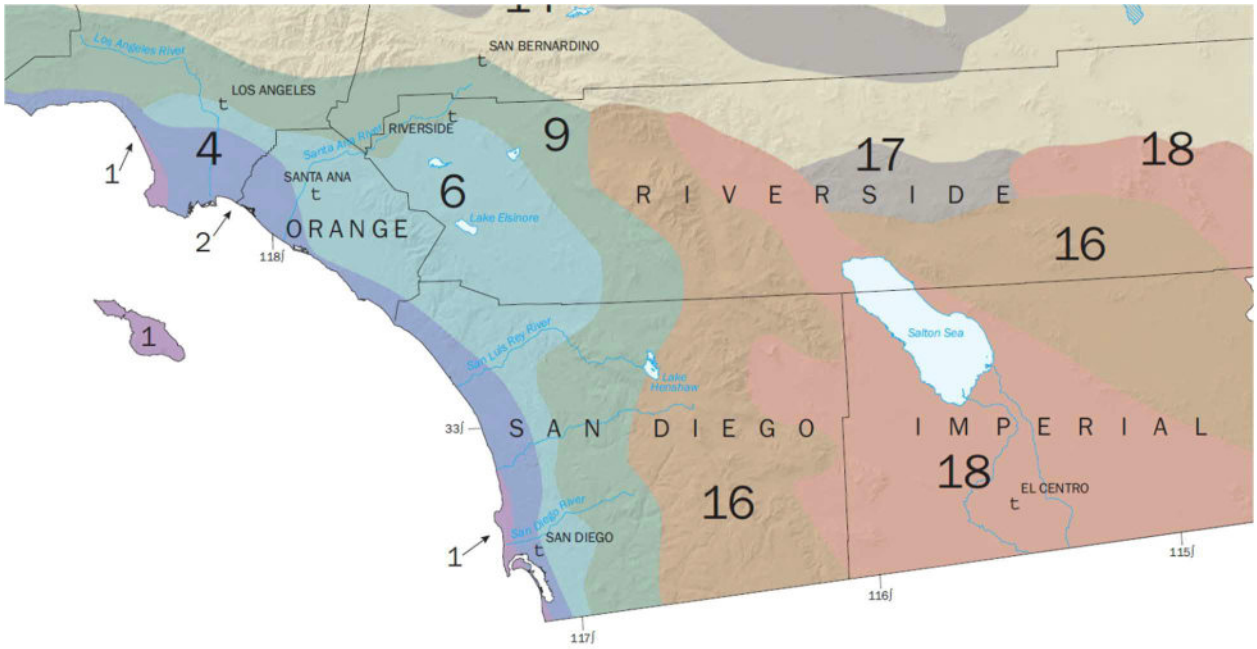


Figure G.1-2: California Irrigation Management Information System "Reference Evapotranspiration Zones"

Table G.1-1: Monthly Average Reference Evapotranspiration by ETo Zone (inches/month and inches/day) for use in SWMM Models for Hydromodification Management Studies in San Diego County CIMIS Zones 1, 4, 6, 9, and 16 (See CIMIS ETo Zone Map)

	January	February	March	April	May	June	July	August	September	October	November	December
Zone	in/month	in/month	in/month	in/month	in/month	in/month	in/month	in/month	in/month	in/month	in/month	in/month
1	0.93	1.4	2.48	3.3	4.03	4.5	4.65	4.03	3.3	2.48	1.2	0.62
4	1.86	2.24	3.41	4.5	5.27	5.7	5.89	5.58	4.5	3.41	2.4	1.86
6	1.86	2.24	3.41	4.8	5.58	6.3	6.51	6.2	4.8	3.72	2.4	1.86
9	2.17	2.8	4.03	5.1	5.89	6.6	7.44	6.82	5.7	4.03	2.7	1.86
16	1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55
	January	February	March	April	May	June	July	August	September	October	November	December
Days	31	28	31	30	31	30	31	31	30	31	30	31
Zone	in/day	in/day	in/day	in/day	in/day	in/day	in/day	in/day	in/day	in/day	in/day	in/day
1	0.030	0.050	0.080	0.110	0.130	0.150	0.150	0.130	0.110	0.080	0.040	0.020
4	0.060	0.080	0.110	0.150	0.170	0.190	0.190	0.180	0.150	0.110	0.080	0.060
6	0.060	0.080	0.110	0.160	0.180	0.210	0.210	0.200	0.160	0.120	0.080	0.060
9	0.070	0.100	0.130	0.170	0.190	0.220	0.240	0.220	0.190	0.130	0.090	0.060
16	0.050	0.090	0.130	0.190	0.250	0.290	0.300	0.270	0.210	0.140	0.080	0.050

Table G.1-4: Subcatchment Parameters for SWMM Studies for Hydromodification Management in San Diego

SWMM Parameter Name	Unit	Range	Use in San Diego
Name X-Coordinate Y-Coordinate Description Tag Rain Gage Outlet	N/A	N/A – project-specific	Project-specific
Area	acres (ac)	Project-specific	Project-specific
Width	feet (ft)	Project-specific	Project-specific
% Slope	percent (%)	Project-specific	Project-specific
% Imperv	percent (%)	Project-specific	Project-specific
N-imperv	--	0.011 – 0.024 presented in Table A.6 of SWMM Manual	default use 0.012 for smooth concrete, otherwise provide documentation of other surface consistent with Table A.6 of SWMM Manual
N-Perv	--	0.05 – 0.80 presented in Table A.6 of SWMM Manual	default use 0.15 for short prairie grass, otherwise provide documentation of other surface consistent with Table A.6 of SWMM Manual
Dstore-Imperv	inches	0.05 – 0.10 inches presented in Table A.5 of SWMM Manual	0.05
Dstore-Perv	inches	0.10 – 0.30 inches presented in Table A.5 of SWMM Manual	0.10
%ZeroImperv	percent (%)	0% – 100%	25%
Subarea routing	--	OUTLET IMPERVIOUS PERVIOUS	Project-specific, typically OUTLET
Percent Routed	%	0% – 100%	Project-specific, typically 100%
Infiltration	Method	HORTON GREEN_AMPT CURVE_NUMBER	GREEN_AMPT

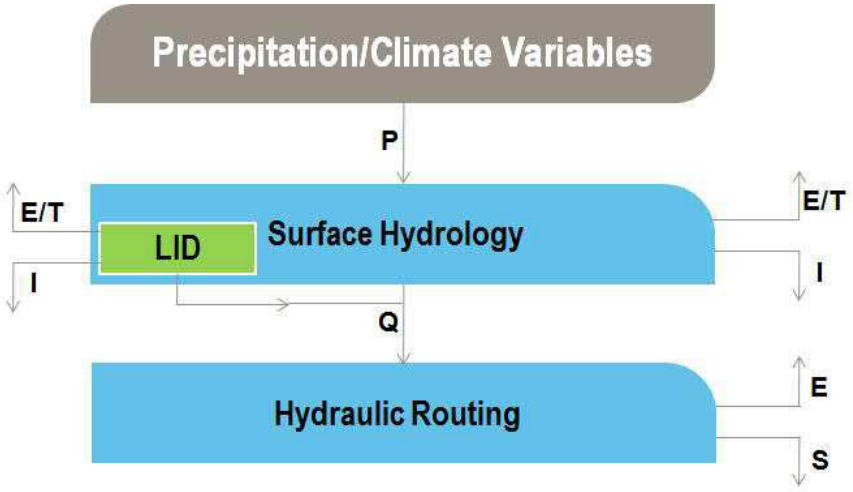
SWMM Parameter Name	Unit	Range	Use in San Diego
Suction Head (Green-Ampt)	Inches	1.93 – 12.60 presented in Table A.2 of SWMM Manual	Hydrologic Soil Group A: 1.5 Hydrologic Soil Group B: 3.0 Hydrologic Soil Group C: 6.0 Hydrologic Soil Group D: 9.0
Conductivity (Green-Ampt)	Inches per hour	0.01 – 4.74 presented in Table A.2 of SWMM Manual by soil texture class 0.00 – ≥0.45 presented in Table A.3 of SWMM Manual by hydrologic soil group	Hydrologic Soil Group A: 0.3 Hydrologic Soil Group B: 0.2 Hydrologic Soil Group C: 0.1 Hydrologic Soil Group D: 0.025 Note: reduce conductivity by 25% in the post-project condition when native soils will be compacted. Conductivity may also be reduced by 25% in the pre-development condition model for redevelopment areas that are currently concrete or asphalt but must be modeled according to their underlying soil characteristics. For fill soils in post-project condition, see Section G.1.4.3.
Initial Deficit (Green-Ampt)		The difference between soil porosity and initial moisture content. Based on the values provided in Table A.2 of SWMM Manual, the range for completely dry soil would be 0.097 to 0.375	Hydrologic Soil Group A: 0.33 Hydrologic Soil Group B: 0.32 Hydrologic Soil Group C: 0.31 Hydrologic Soil Group D: 0.30 Note: in long-term continuous simulation, this value is not important as the soil will reach equilibrium after a few storm events regardless of the initial moisture content specified.
Groundwater	yes/no	yes/no	NO
LID Controls			Project Specific

SWMM Parameter Name	Unit	Range	Use in San Diego
Snow Pack Land Uses Initial Buildup Curb Length			Not applicable to hydromodification management studies

A schematic of the basic SWMM setup for hydromodification management studies is shown below, with the LID module is shown as a feature within the hydrology computational block. Surface water hydrology is distinguished from groundwater, however the groundwater module is not typically used in hydromodification management studies.

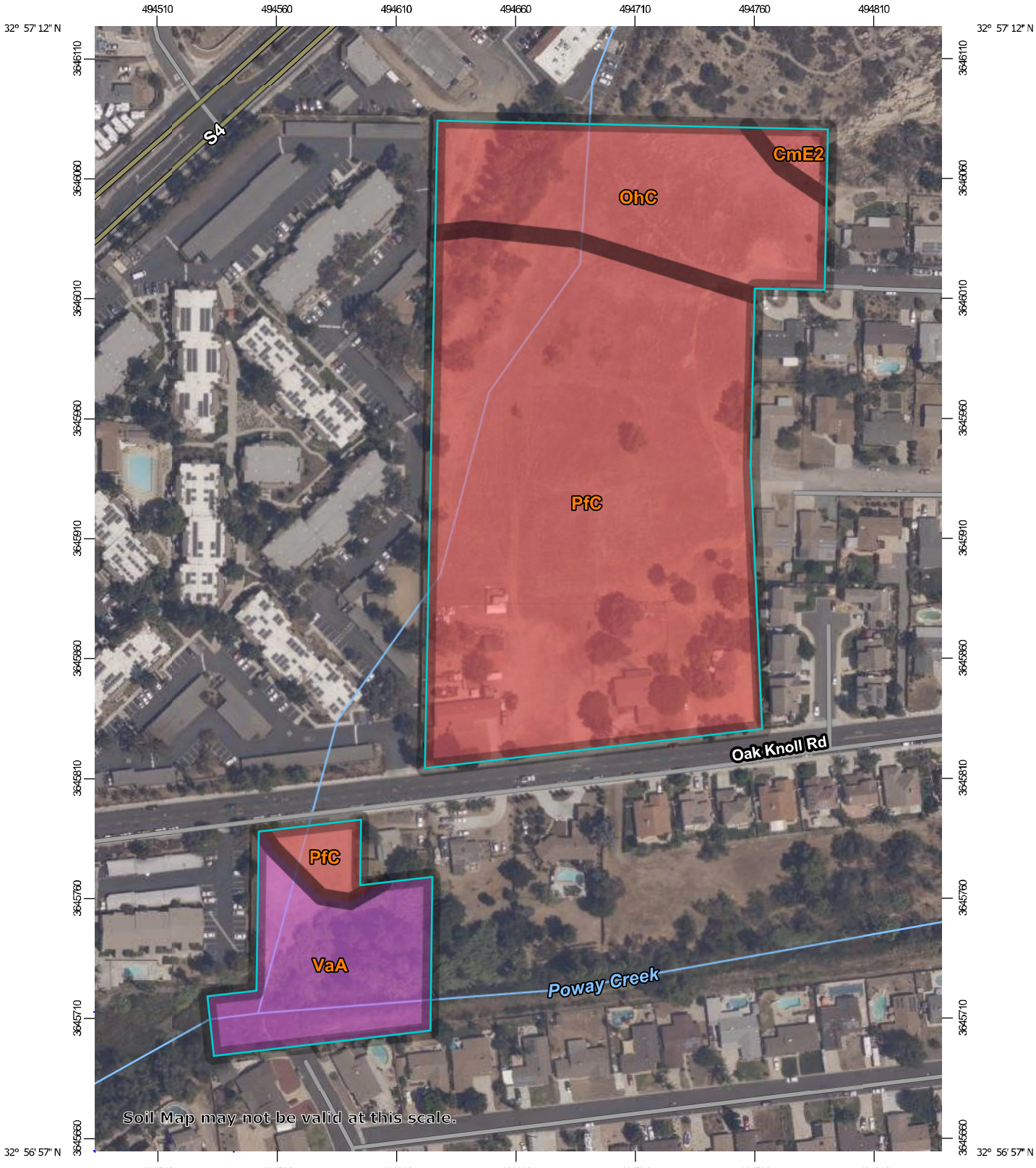
The rainfall and climatology input time series data are used to generate surface runoff which in turn is hydraulically routed through the collection system and storage/treatment facilities. The figure includes the following terms in the water balance equation:

- P = Precipitation
- E/T = Evaporation / Transpiration
- I/S = Infiltration / Seepage
- Q = Runoff



Evapotranspiration was previously addressed above; the remainder of this section discusses the other hydrologic losses and parameters.

Hydrologic Soil Group—San Diego County Area, California
(1713$Project Site)



Map Scale: 1:2,290 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 30 60 120 180

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	D	0.1	1.3%
OhC	Olivenhain cobbly loam, 2 to 9 percent slopes	D	2.1	19.8%
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	D	7.2	66.6%
VaA	Visalia sandy loam, 0 to 2 percent slopes	A	1.3	12.3%
Totals for Area of Interest			**10.8**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

ATTACHMENT 6 - Drying Time of the Surface Layer of the Vault

The drying time interval between an elevation yi and another elevation $yi - \Delta y$ can be obtained by:

$$\Delta t_i(hours) = \frac{(Q(yi)+Q(yi-\Delta y))}{7200\ (V(yi)-V(yi-\Delta y))} = \frac{Q_{ave}}{3600\ \Delta V}$$

$$t = \sum_{i=1}^{n} \Delta t_i\ (hours)$$

Q_{ave} represents the average discharge between elevation y_i and y_{i+1} obtained by $\frac{Q(yi)+Q(yi-\Delta y)}{2}$ where ΔV represents the fraction of the volume that must be discharged at a peak flow $Q_{ave}(V(yi) - V(yi - \Delta y))$.

The volume and the discharge change as the elevation changes; the calculation takes into account this change.

HMP Drawdown @				87.24
Elevation	Q_{AVG} (CFS)	DV (CF)	DT (HR)	Total T
0.10	0.01108	744	18.66	87.24
0.20	0.02011	744	10.28	68.59
0.30	0.03406	744	6.07	58.31
0.40	0.04286	744	4.82	52.24
0.50	0.05010	744	4.13	47.42
0.60	0.05640	744	3.66	43.30
0.70	0.06206	744	3.33	39.63
0.80	0.06724	744	3.07	36.30
0.90	0.07204	744	2.87	33.23
1.00	0.07655	744	2.70	30.36
1.10	0.08080	744	2.56	27.66
1.20	0.08484	744	2.44	25.10
1.30	0.08869	744	2.33	22.67
1.40	0.09239	744	2.24	20.34
1.50	0.09594	744	2.15	18.10
1.60	0.09936	744	2.08	15.95
1.70	0.10267	744	2.01	13.87
1.80	0.10588	744	1.95	11.85
1.90	0.10899	744	1.90	9.90
2.00	0.11202	744	1.84	8.00
2.10	0.12103	744	1.71	6.16
2.20	0.17534	744	1.18	4.45
2.30	0.30758	744	0.67	3.27
2.40	0.50900	744	0.41	2.60
2.50	0.76233	744	0.27	2.20
2.60	1.04128	744	0.20	1.92
2.70	1.26561	744	0.16	1.73
2.80	1.42133	744	0.15	1.56
2.90	1.58390	744	0.13	1.42
3.00	1.79997	744	0.11	1.29
3.10	2.08362	744	0.10	1.17
3.20	2.42058	744	0.09	1.07
3.30	2.79398	744	0.07	0.99
3.40	3.14508	744	0.07	0.91
3.50	3.42468	744	0.06	0.85
3.60	3.65889	744	0.06	0.79
3.70	3.87558	744	0.05	0.73
3.80	4.07859	744	0.05	0.68
3.90	4.27047	744	0.05	0.63
4.00	4.45302	744	0.05	0.58
4.10	4.62758	744	0.04	0.53
4.20	4.79520	744	0.04	0.49
4.30	4.95668	744	0.04	0.44
4.40	5.11269	744	0.04	0.40
4.50	5.26379	744	0.04	0.36
4.60	5.41042	744	0.04	0.32
4.70	5.55298	744	0.04	0.28
4.80	5.69180	744	0.04	0.25
4.90	5.82717	744	0.04	0.21
5.00	5.95934	744	0.03	0.18
5.10	6.61506	744	0.03	0.14
5.20	8.23071	744	0.03	0.11
5.30	10.56389	744	0.02	0.08
5.40	13.40821	744	0.02	0.06
5.50	16.67808	744	0.01	0.05
5.60	20.32106	744	0.01	0.04
5.70	24.30053	521	0.01	0.03
5.80	28.58899	967	0.01	0.02
5.90	33.16480	744	0.01	0.01
6.00	38.01033	744	0.01	0.01

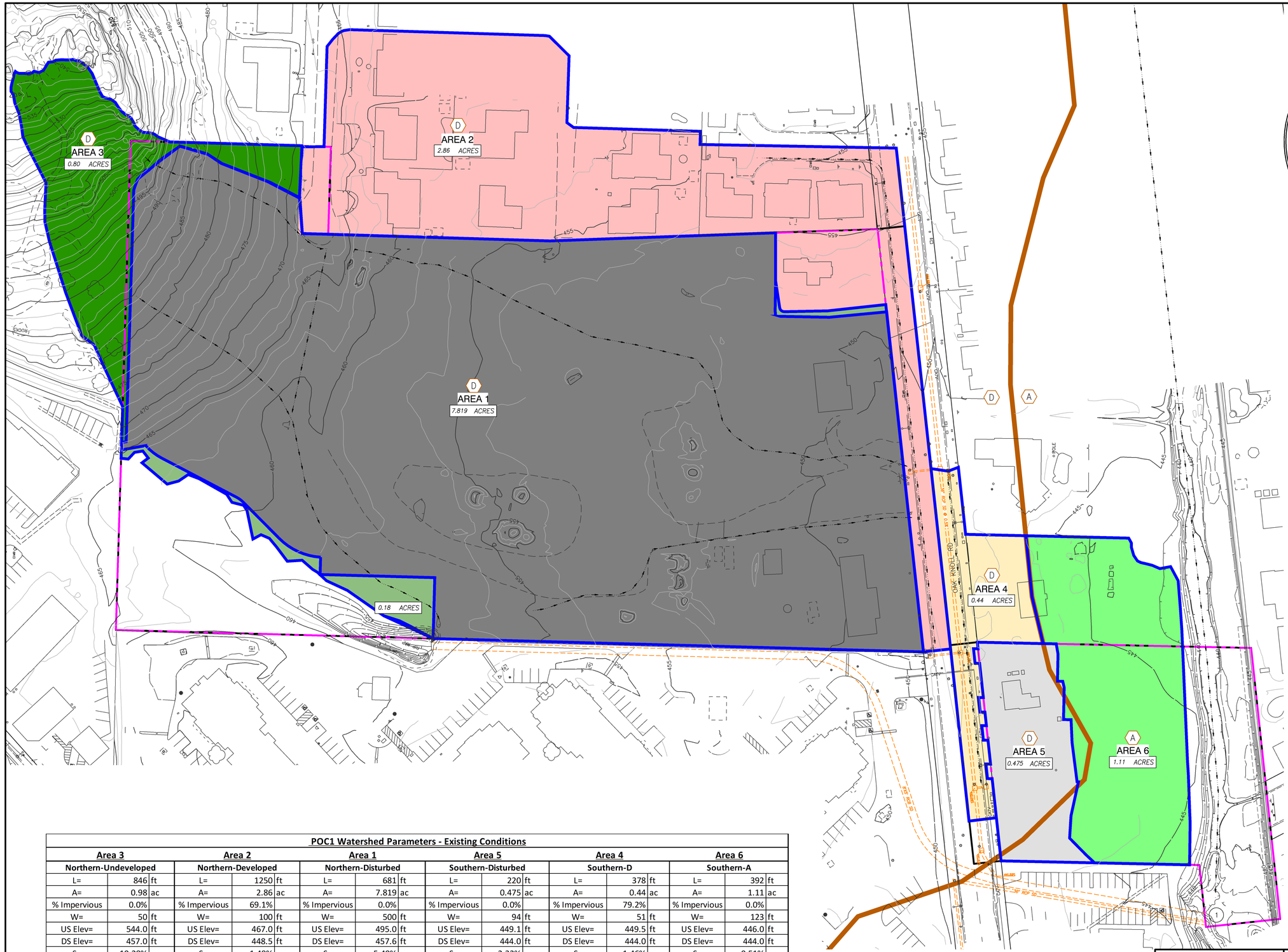
ATTACHMENT 2b – Hydromodification Watershed Maps

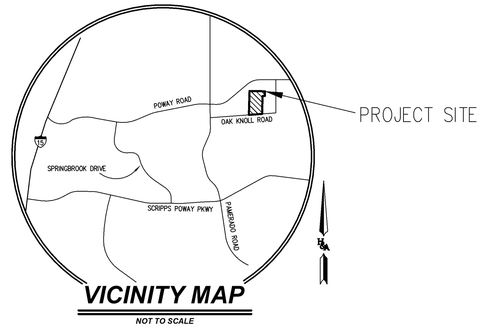
Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit. Include checklist in submittal and check all boxes that are applicable. Provide justification for items not included.

The Hydromodification Management Exhibit must identify:

☒ Underlying hydrologic soil group
☒ Approximate depth to groundwater
☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
☐ Critical coarse sediment yield areas to be protected
☒ Existing topography
☒ Existing and proposed site drainage network and connections to drainage offsite
☒ Proposed grading
☒ Proposed impervious features
☒ Proposed design features and surface treatments used to minimize imperviousness
☒ Point(s) of Compliance (POC) for Hydromodification Management
☒ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
☒ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

Justification for items not included in Hydromodification Management Exhibit:





LEGEND:	SYMBOL:
PROJECT BOUNDARY	
WATERSHED BOUNDARY	
EXISTING STORM DRAIN	
FLOW LINE	
SUBAREA ACREAGE	00.00 ACRES
WATERSHED ID	DMA 1
AREA 1	
AREA 2	
AREA 3	
AREA 4	
AREA 5	
AREA 6	
HYDROLOGIC SOIL BOUNDARY	
HYDROLOGIC SOIL TYPE	D
POINT OF COMPLIANCE	1

AREA 1:
AREA TO BE DISTURBED IN THE PROPOSED CONDITIONS- SOIL TYPE D (NORTHERN PROJECT AREA)

AREA 2:
EXISTING DEVELOPMENT NOT TO BE DISTURBED IN PROPOSED CONDITIONS SOIL TYPE D (OFFSITE AREA AND HISTORIC HOME TO REMAIN- RUNOFF TO BE BYPASSED IN PROPOSED CONDITIONS)

AREA 3:
OFFSITE SLOPE DRAINS THROUGH THE SITE AND NOT TO BE DISTURBED IN PROPOSED CONDITIONS-SOIL TYPE D (RUNOFF TO BE BYPASSED IN PROPOSED CONDITIONS)

AREA 4:
OFFSITE DEVELOPED AREA NOT TO BE DISTURBED IN PROPOSED CONDITIONS SOIL TYPE D (OFFSITE RUNOFF NOT TO BE COMMINGLED WITH THE ON SITE FLOWS IN PROPOSED CONDITIONS)

AREA 5:
AREA TO BE DISTURBED IN THE PROPOSED CONDITIONS- SOIL TYPE D (SOUTHERN PROJECT AREA)

AREA 6:
OFFSITE AND ONSITE NATURAL SLOPES NOT TO BE DISTURBED IN PROPOSED CONDITIONS- SOIL TYPE A (DRAINS AWAY FROM THE PROPOSED DEVELOPMENT)

POC1 Watershed Parameters - Existing Conditions

Area 3			Area 2			Area 1			Area 5			Area 4			Area 6		
Northern-Undeveloped			Northern-Developed			Northern-Disturbed			Southern-Disturbed			Southern-D			Southern-A		
L=	846	ft	L=	1250	ft	L=	681	ft	L=	220	ft	L=	378	ft	L=	392	ft
A=	0.98	ac	A=	2.86	ac	A=	7.819	ac	A=	0.475	ac	A=	0.44	ac	A=	1.11	ac
% Impervious	0.0%		% Impervious	69.1%		% Impervious	0.0%		% Impervious	0.0%		% Impervious	79.2%		% Impervious	0.0%	
W=	50	ft	W=	100	ft	W=	500	ft	W=	94	ft	W=	51	ft	W=	123	ft
US Elev=	544.0	ft	US Elev=	467.0	ft	US Elev=	495.0	ft	US Elev=	449.1	ft	US Elev=	449.5	ft	US Elev=	446.0	ft
DS Elev=	457.0	ft	DS Elev=	448.5	ft	DS Elev=	457.6	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft
S=	10.28%		S=	1.48%		S=	5.49%		S=	2.32%		S=	1.46%		S=	0.51%	

50 0 50 100 150
SCALE 1"= 50'

PREPARED BY:
HUNSAKER & ASSOCIATES SAN DIEGO, INC
PLANNING 9707 Waples Street
ENGINEERING San Diego, Ca 92121
SURVEYING PH(858)558-4500- FX(858)558-1414

EXISTING HMP MAP
HARMON OAKS
CITY OF POWAY, CALIFORNIA

MAP 1 OF 2

W.O.# 1787-0225

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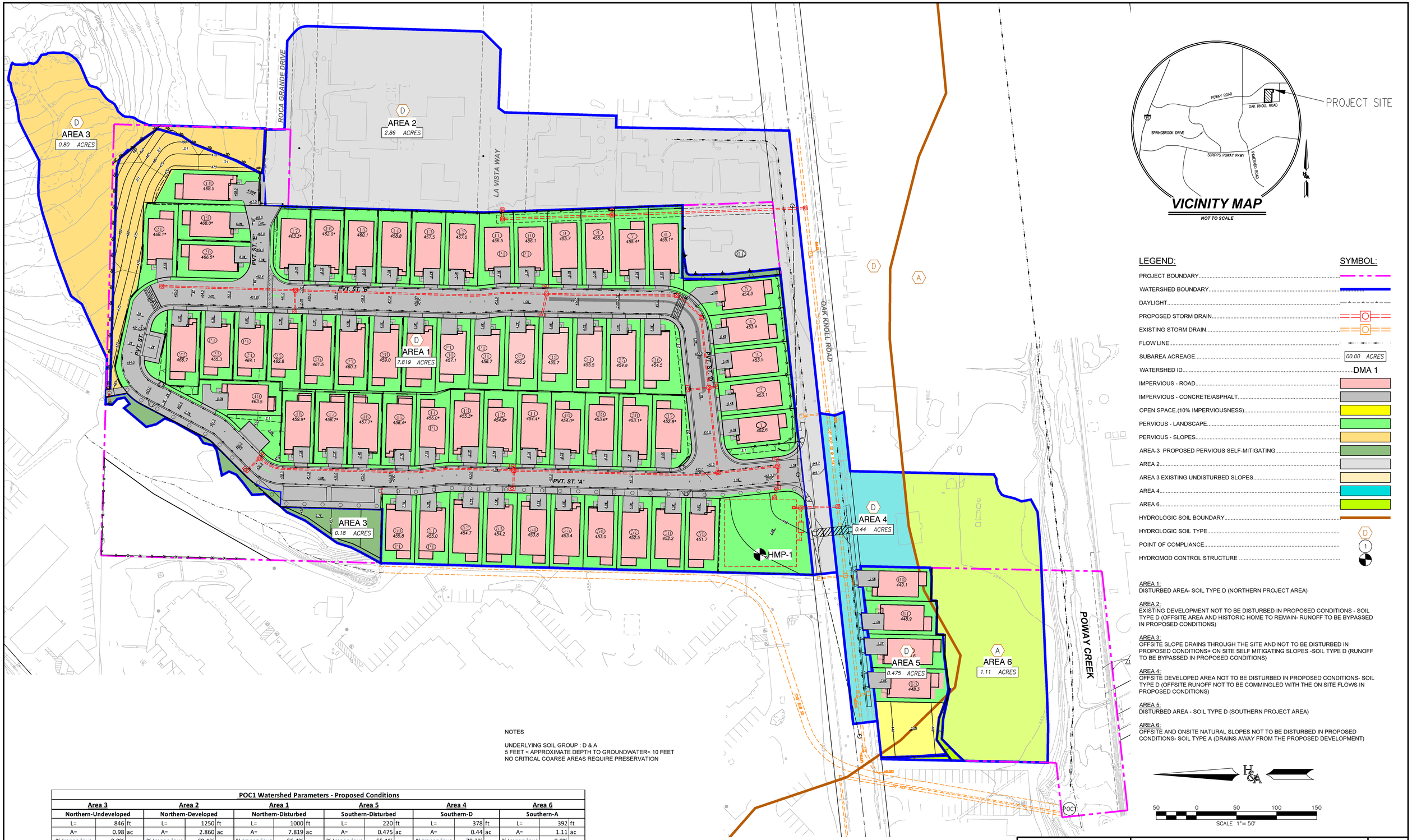

LEGEND: SYMBOL:

- PROJECT BOUNDARY
- WATERSHED BOUNDARY
- DAYLIGHT
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- FLOW LINE
- SUBAREA ACREAGE ..... 00.00 ACRES
- WATERSHED ID ..... DMA 1
- IMPERVIOUS - ROAD
- IMPERVIOUS - CONCRETE/ASPHALT
- OPEN SPACE.(10% IMPERVIOUSNESS)
- PERVIOUS - LANDSCAPE
- PERVIOUS - SLOPES
- AREA-3 PROPOSED PERVIOUS SELF-MITIGATING
- AREA 2
- AREA 3 EXISTING UNDISTURBED SLOPES
- AREA 4
- AREA 6
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE ..... D
- POINT OF COMPLIANCE 1
- HYDROMOD CONTROL STRUCTURE

AREA 1:
DISTURBED AREA- SOIL TYPE D (NORTHERN PROJECT AREA)

AREA 2:
EXISTING DEVELOPMENT NOT TO BE DISTURBED IN PROPOSED CONDITIONS - SOIL TYPE D (OFFSITE AREA AND HISTORIC HOME TO REMAIN- RUNOFF TO BE BYPASSED IN PROPOSED CONDITIONS)

AREA 3:
OFFSITE SLOPE DRAINS THROUGH THE SITE AND NOT TO BE DISTURBED IN PROPOSED CONDITIONS+ ON SITE SELF MITIGATING SLOPES -SOIL TYPE D (RUNOFF TO BE BYPASSED IN PROPOSED CONDITIONS)

AREA 4:
OFFSITE DEVELOPED AREA NOT TO BE DISTURBED IN PROPOSED CONDITIONS- SOIL TYPE D (OFFSITE RUNOFF NOT TO BE COMMINGLED WITH THE ON SITE FLOWS IN PROPOSED CONDITIONS)

AREA 5:
DISTURBED AREA - SOIL TYPE D (SOUTHERN PROJECT AREA)

AREA 6:
OFFSITE AND ONSITE NATURAL SLOPES NOT TO BE DISTURBED IN PROPOSED CONDITIONS- SOIL TYPE A (DRAINS AWAY FROM THE PROPOSED DEVELOPMENT)

NOTES

UNDERLYING SOIL GROUP : D & A
5 FEET < APPROXIMATE DEPTH TO GROUNDWATER< 10 FEET
NO CRITICAL COARSE AREAS REQUIRE PRESERVATION

50 0 50 100 150
SCALE 1"= 50'

POC1 Watershed Parameters - Proposed Conditions

Area 3			Area 2			Area 1			Area 5			Area 4			Area 6		
Northern-Undeveloped			Northern-Developed			Northern-Disturbed			Southern-Disturbed			Southern-D			Southern-A		
L=	846	ft	L=	1250	ft	L=	1000	ft	L=	220	ft	L=	378	ft	L=	392	ft
A=	0.98	ac	A=	2.860	ac	A=	7.819	ac	A=	0.475	ac	A=	0.44	ac	A=	1.11	ac
% Impervious	0.0%		% Impervious	69.1%		% Impervious	66.4%		% Impervious	55.1%		% Impervious	79.2%		% Impervious	0.0%	
W=	50	ft	W=	100	ft	W=	341	ft	W=	94	ft	W=	51	ft	W=	123	ft
US Elev=	544.0	ft	US Elev=	467.0	ft	US Elev=	495.0	ft	US Elev=	449.1	ft	US Elev=	449.5	ft	US Elev=	446.0	ft
DS Elev=	457.0	ft	DS Elev=	448.5	ft	DS Elev=	448.5	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft	DS Elev=	444.0	ft
S=	10.28%		S=	1.48%		S=	4.65%		S=	2.32%		S=	1.46%		S=	0.51%	

PREPARED BY:

HUNSAKER & ASSOCIATES SAN DIEGO, INC

PLANNING 9707 Waples Street
ENGINEERING San Diego, Ca 92121
SURVEYING PH:(858)558-4500 · FX(858)558-1414

PROPOSED HMP MAP
HARMON OAKS
CITY OF POWAY, CALIFORNIA

MAP 2 OF 2

W.O.# 2167-0225

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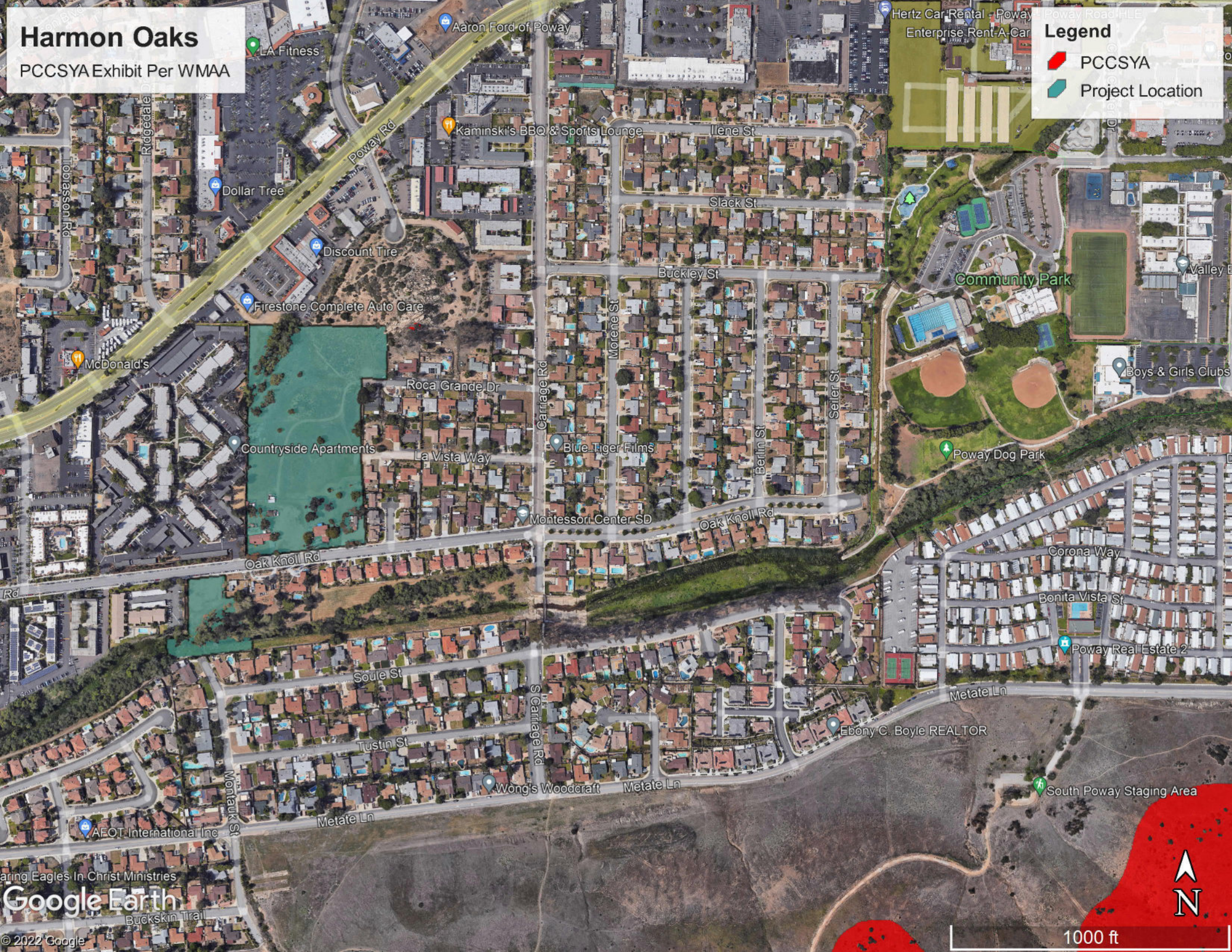
ATTACHMENT 2C – CCSYA EXHIBIT


Harmon Oaks
PCCSYA Exhibit Per WMAA
Legend
PCCSYA
Project Location
Aaron Ford of Poway
LA Fitness
Hertz Car Rental - Poway
Enterprise Rent-A-Car
Poway Road HLE
Kaminski's BBQ & Sports Lounge
Ilene St
Ridgedale
Tobiasson Rd
Poway Rd
Dollar Tree
Slack St
Discount Tire
Buckley St
Community Park
Valley E
Firestone Complete Auto Care
McDonald's
Morene St
Carriage Rd
Roca Grande Dr
Seier St
Boys & Girls Clubs
Countryside Apartments
La Vista Way
Blue Tiger Films
Berlin St
Poway Dog Park
Montessori Center SD
Oak Knoll Rd
Corona Way
Oak Knoll Rd
Bonita Vista St
Poway Real Estate 2
Soule St
Metate Ln
S Carriage Rd
Ebony C. Boyle REALTOR
Tustin St
Montauk St
Wong's Woodcraft
Metate Ln
South Poway Staging Area
Metate Ln
AEOT International Inc
aring Eagles In Christ Ministries
Google Earth
Buckskin Trail
© 2022 Google
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1000 ft

ATTACHMENT 3 – STRUCTURAL BMP MAINTENANCE INFORMATION

This is the cover sheet for Attachment 3.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 3a	Operations and Maintenance Project Summary	☒ Included
Attachment 3b	Structural BMP Maintenance Plan (Required)	☒ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.

ATTACHMENT 3a

Operations and Maintenance – Project Summary	
Project Name	Harmon Oaks
Project/Permit Number(s)	TBD
Project Address	Oak Knoll Road, in between Pomerado Road and Carriage Road
Assessor's Parcel Number(s) (APN(s))	317-501-01-00,317-500-02, 03,09,10,11,12,13,14
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	Penasquitos, Poway, 906.20
Responsible Party for Construction Phase	
Developer's Name	Lennar Homes of California, Inc.
Address	16465 Via Esprillo, Ste 150, San Diego, CA 92127
Email Address	David.Shepherd@lennar.com
Phone Number	(858) 618-4942
Engineer of Work	Alisa S. Vialpando #47945
Engineer's Phone Number	(858) 558-4500
Responsible Party for Ongoing Maintenance	
Owner's Name(s)*	Lennar Homes of California, Inc.
Address	16465 Via Esprillo, Ste 150, San Diego, CA 92127
Email Address	David.Shepherd@lennar.com
Phone Number	(858) 618-4942
*Note: If a corporation or LLC, provide information for principal partner or Agent for Service of Process. If an HOA, provide information for the Board or property manager at time of project closeout.	

ATTACHMENT 3b

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment. Include checklist in submittal and check all boxes that are applicable. Provide justification for items not included.

Attachment 3b must identify:

- ☒ Specific maintenance indicators and actions for proposed structural BMP(s). This must be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
- ☒ How to access the structural BMP(s) to inspect and perform maintenance
- ☒ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☒ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☒ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ ~~8.5" x 11" Site plan showing BMP locations~~ **(See DMA Map)**
- ☒ 8.5" x 11" Detail Sheets for BMPs – must match details provided on project/permit plans

Justification for items not included in Attachment 3b:

The following inspection and maintenance activities shall be performed and completed as indicated.

Maintenance Program for Inlet Stenciling

Inspection Frequency/Indications:	Regular Maintenance Inspections ❑ Before wet season begins (September); ❑ After wet season (April).
Maintenance Indications	**Maintenance Activities**
❑ Inlet stenciling/signage begins to weather or fade	❑ Re-stamp signage
❑ Broken or damaged structure	❑ Repair or replace signage structure

Maintenance Program for Filterra Biofiltration Units

Inspection Frequency/Indications:	Regular Maintenance Inspections ❑ Monthly during wet season ❑ Annually before wet season (September) Performance Inspection ❑ 72 hrs after rainfall events greater than 0.5 in.
Maintenance Indications	**Maintenance Activities**
❑ Excessive trash, debris, or sediment in unit. (i.e., sump is 85 percent full or sump is 50 percent full during two consecutive monthly inspections)	❑ Remove trash and debris within 15 days. Empty unit when the unit is 85 percent full or 50 percent full during two consecutive monthly inspections, or annually in May.
❑ Presence of trash and debris in weir box.	❑ Remove trash and debris while onsite conducting inspection
❑ When standing water in sump is observed during annual and performance inspection.	❑ If standing water cannot be removed or remains through the wet season, notify vector control.
❑ Minor structural damage (i.e., screen becomes clogged, damaged or loose)	❑ Clean screen, re-fasten screen if appropriate.
❑ Cracked or fatigued neoprene vector seals	❑ Replace damaged seal
❑ Major damage to structures (i.e., holes in screen, large debris, damage to housing or weir box)	❑ Immediately consult with engineer and manufacturer=s representative to develop a course of action and effect repairs prior to the wet season.
Waste Disposal	Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.

Maintenance Program for Detention Vault

Inspection Frequency/Indications:	Regular Inspections ❑ Before wet season begins (September); ❑ After wet season (April). Performance Inspections ❑ After rainfall events greater than 0.5 inches, or any rainfall that fills the basin.
Maintenance Indications	**Maintenance Activities**
❑ Standing water in vault during dry weather; basin does not drain within 72 hours after runoff event.	❑ Drain basin. Determine and resolve problems that are causing the basin to drain improperly. If basin cannot be drained, or if standing water persists, notify vector control.
❑ Evidence of rodent infestation	❑ Abate and control rodents as necessary to maintain the performance of the facility.
❑ Trash, debris, or litter present in basin	❑ Remove trash, debris, and litter
Waste Disposal	Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.

Attachment 3a: Structural BMP Maintenance Plan

Maintenance Program for Pump	
BMP Access: Starlight Place (pvt.Rd.)	
Inspection Frequency/Indications:	Regular Inspections ❑ Before wet season begins (September); ❑ Every 60 days during wet season (September-April); ❑ After wet season (April). Performance Inspections ❑ After rainfall events greater than 0.5 inch
Maintenance Indications Connections	**Maintenance Activities Connections**
❑ Standing water in pump	❑ Check for clogged outlet pipe. ❑ Check that pump is operational, repair/replace pump as necessary.
❑ Trash, debris, and vegetative litter clogging inlets.	❑ Remove trash, debris, and vegetative litter. ❑ Check for clogged inlet pipe.
Waste Disposal	Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.

ATTACHMENT 3b
Maintenance Information for Underground Detention Basin

Maintenance should be conducted during dry weather when no flow is entering the system. Confined space entry is usually required to maintain the Underground Detention Basins. Only personnel that are OSHA Confined Space Entry trained and certified may enter underground structures. Once safety measures such as traffic control have been deployed, the access covers may be removed and the following activities may be conducted to complete maintenance. All access covers will be securely replaced following inspection and/or maintenance

Inspection Activity	Maintenance Indicator(s)	Field Measurement	Minimum Frequency of Inspection	Maintenance Activity	Minimum Maintenance Frequency
Inspect vault twice during the first wet season of operation	N/A	Visual inspection	Post-construction	Set cleaning frequency	Post-construction
Inspect for cracks and inlet/outlet area erosion	Cracks or erosion present	Visual inspection	Semi-annually	Repair cracks/erosion. Consult engineers if immediate solution is not evident.	As needed
Inspect for litter, oil and grease from inlet/outlet areas	Litter, oil or grease present	Visual inspection	Beginning & end of rainy season	Remove litter, oil and grease	Semi-annually
Inspect for accumulated sediment	Sediment on the system floor exceeds 6”	Tape measure	Annually, prior to start of wet season	Remove sediment with vacuum truck. No jetting permitted to loosen sediment.	Bi-annually or as needed
Inspect for trash and debris	Trash and debris present	Visual inspection	Semi-annually	Remove trash and debris (e.g. via vacuum truck)	As needed
Inspect system for movement of modules	Spacing of modules exceeds ¾”	Tape measure	Semi-annually	Consult engineers	As needed
Inspect inlet and outlet for obstruction(s)	Obstruction is present	Visual inspection	Semi-annually	Remove obstruction	Semi-annually or as needed
Report drawdown rate	Drawdown rate exceeds 96 hours	Recording Device (pen & paper, voice recorder, etc.)	96 hours after wet weather	Remove any obstructions. Consult engineers if immediate solution not evident.	As needed

April 2019

STORMTRAP MAINTENANCE MANUAL

1. Introduction

As with any Stormwater system regular inspections are recommended to ensure the long-term function of the system per design. As Stormwater migrates through the system, both sediment and debris could collect or settle within the system invert. Such events would prompt a regular inspection and or maintenance plan. Please call your Authorized StormTrap Representative (877-867-6872) if you have questions regarding the inspection and/or maintenance of the StormTrap system(s). Prior to entry into any underground storm sewer or underground detention systems, appropriate OSHA and local safety regulations and guidelines should be followed.

2. Inspection Schedules

StormTrap Stormwater Management Systems are recommended for inspection whenever the upstream and downstream catch basins and stormwater pipes of the stormwater collection system are inspected and/or maintained. This will economize the cost of the inspection if it is done at the same time the municipal crews are servicing the area.

During the first year of service, StormTrap recommends an accelerated inspection schedule to establish baseline levels of debris and/or sediment within the system. Inspections should be made after each significant rain event or runoff period. We also recommend a quarterly inspection in addition to the event-based inspections for the first 12 months. Based upon the results of the first year of inspections, a more appropriate schedule can be generated.

StormTrap Stormwater Management Systems for a private development are recommended for inspection after construction activities are complete and system is functioning per design and after each major storm water event. Until a cleaning schedule can be established, a quarterly inspection is recommended for the first 12 months. After the first 12 months, a

regular schedule can be implemented. If inspected on a biannual basis, the inspection should be conducted before the stormwater season begins to be sure that everything is functioning properly for the upcoming storm season. If inspected on an annual basis, the inspection should be conducted before the stormwater season begins to be sure that everything is functioning properly for the upcoming storm season.

3. Inspection Process

Inspections should be done such that at least 2-3 days has lapsed since the most recent rain event to allow for complete draining. Visually inspect the system at all manhole locations. Utilizing a sediment pole, measure and document the amount of silt at each manhole location (Figure 1). Inspect each pipe opening to ensure that the silt level or any foreign objects are not blocking the pipes. Be sure to inspect the outlet pipe(s) because this is typically the smallest pipe in the system. It is common that most of the larger materials will be collected upstream of the system in catch basins, and it is therefore important at time of inspections to check these structures for large trash or blockages.

Remove any blockages if you can during the inspection process only if you can do so safely from the top of the system without entering into the system**. Do not go into the system under any circumstances** without proper ventilation equipment and confined space training. Pass any information requiring action onto the appropriate maintenance personnel if you cannot remove the blockages from above during the inspection process. Be sure to describe the location of each manhole and the type of material that needs to be removed.

The sediment level of the system should also be measured and recorded during the inspection process. Recording the sediment level at each manhole is very important in order get a history of sediment that can be graphed over time (i.e. years) in order to estimate when the system will need to be maintained next. It is also important to keep these records to verify that the inspection process was actually performed if anyone asks for your records in the future. ***(Please see Appendix A for reference)***

The sediment level in the underground detention system can be determined from the outside of the system by opening up all the manholes and using a sediment pole to measure the

amount of sediment at each location. Force the stick to the bottom of the system and then remove it and measure the amount of sediment at that location. Again, do not enter into the system under any circumstances without proper ventilation equipment and training. Please see Appendix A for a sample inspection document.

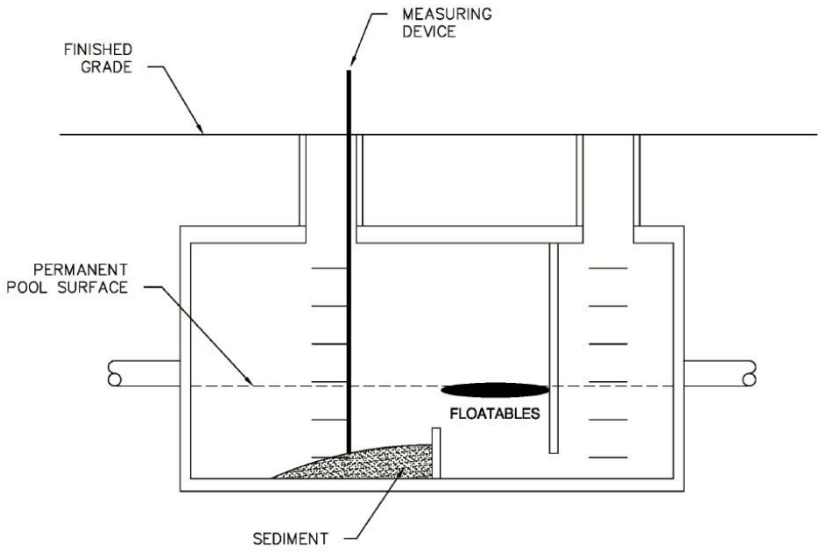

Figure 1. During inspection, measure the distance from finished grade to the top of the sediment inside the system.

4. When to Clean the System

Any blockages should be safely removed as soon as it is safely possible to ensure the StormTrap detention system will fill and drain properly before the next stormwater event.

The dry detention system should be completely cleaned whenever the sediment occupies more than 10% to 15% of the originally designed system's volume. A wet system (sometimes referred to as a wet vault) should be cleaned when the sediment occupies more than 30% or 1/3rd of the originally designed system's volume.

NOTE: Check with your municipality to ensure compliance with local guidelines regarding cleaning criteria, as the allowable sediment before cleaning may different that StormTrap's recommended ranges.

5. How to Clean the StormTrap

StormTrap systems should be completely cleaned back to 100% of the originally designed storage volume whenever the above sediment levels have been reached. Be sure to wait at least 3 days after a stormwater event to be sure that the system is completely drained (if it is a dry detention system), and all the sediments have settled to the bottom of the system (if it is a wet detention system).

There are many maintenance companies that can be contracted to clean your underground stormwater detention systems and water quality units. Please call your StormTrap representative for referrals in your area.

Product Specific Maintenance Recommendations

A. SingleTrap on a Concrete Slab

Maintenance is typically performed using a vacuum truck or jet-vac system. If headroom allows, sediment can be manually gathered near access openings and removed with suction. Shorter systems will require a mobile jet vac system that operates throughout the system to collect and remove sediment.

Sediment should be flushed towards a vacuum hose for thorough removal. For a dry system, remove the manhole cover at the top of the system and lower a vacuum hose into one of the rows of the StormTrap system. If present, open the manhole at the opposite end of the StormTrap and use sewer jetting equipment to force water in the same row from one end of the StormTrap row to the opposite side. The rows of the StormTrap are completely open in one contiguous channel from one end to the other for easy cleaning.

If the system was designed to maintain a permanent pool of water, floatables and any oil should be removed in a separate procedure prior to the removal of all sediment.

The floatable trash is removed first by using a bucket strainer to capture and remove any floating debris.

The floatable oils are then removed off the top of the water by using the vacuum truck to suck off any floatable fluids and liquids.

The next step is to use the vacuum truck to gently remove the clarified water above the sediment layer.

The final step is to clean the sediment for each row as described above. For smaller systems, the vacuum truck can remove all the sediment in the basin without using the sewer jetting equipment because of the smaller space.

B. SingleTrap on Stone

SingleTrap systems on a stone base require a similar cleaning process as a SingleTrap on a concrete slab. However, extra care needs to be taken to make sure the stone base retains levelness. If system headroom allows, manual raking of sediment a debris can be performed. Shorter systems may require jet vac equipment. Adjusting the pressure setting on the jet vac to ensure the stability of the stone base.

Sediment should be flushed towards a vacuum hose for thorough removal. Remove the manhole cover at the top of the system and lower a vacuum hose into one of the rows of the StormTrap system. Access the manhole at the opposite end of the StormTrap and use sewer jetting equipment to force water in the same row from one end of the StormTrap row to the opposite side. The rows of the StormTrap are completely open in one contiguous channel from one end to the other for easy cleaning.

C. DoubleTrap

A DoubleTrap system can be maintained in a similar fashion as a SingleTrap on a concrete slab. Typically, headroom is greater in DoubleTrap systems and access is easier for manual

gathering of sediment and debris. Again, maintenance is typically performed using a vacuum truck or jet-vac system. Sediment can be gathered near access openings and removed with suction. Alternately, a jet vac system that operates throughout the system can be used to remove sediment.

Sediment should be flushed towards a vacuum hose for thorough removal. For a dry system, remove the manhole cover at the top of the system and lower a vacuum hose into one of the rows of the StormTrap system. If present, open the manhole at the opposite end of the StormTrap and use sewer jetting equipment to force water in the same row from one end of the StormTrap row to the opposite side. The rows of the StormTrap are completely open in one contiguous channel from one end to the other for easy cleaning.

If the system was designed to maintain a permanent pool of water, floatables and any oil should be removed in a separate procedure prior to the removal of all sediment.

The floatable trash is removed first by using a bucket strainer to capture and remove any floating debris.

The floatable oils are then removed off the top of the water by using the vacuum truck to suck off any floatable fluids and liquids.

The next step is to use the vacuum truck to gently remove the clarified water above the sediment layer.

The final step is to clean the sediment for each row as described above. For smaller systems, the vacuum truck can remove all the sediment in the basin without using the sewer jetting equipment because of the smaller space.

D. ShallowTrap

A ShallowTrap system can be cleaned in a similar fashion as a Single Trap on a stone base. The headroom limitation will not allow for manual entry removal of sediment. Precautions will need to be taken to ensure the stone base retains levelness. Using a jet vac system to flush out the sediment is the recommended method.

Sediment should be flushed towards a vacuum hose for thorough removal. Remove the manhole cover at the top of the system and lower a vacuum hose into one of the rows of the ShallowTrap system. Access the manhole at the opposite end of the ShallowTrap and use sewer jetting equipment to force water in the same row from one end of the ShallowTrap row to the opposite side. The rows of the ShallowTrap are completely open in one contiguous channel from one end to the other for easy cleaning.

E. SiteSaver

Site Savers have 3 potential components that require maintenance and cleaning. Depending on the specifications of the system, trash nets, oil mats, and sediment removal will all need to be addressed.

Inspections should be done such that a enough time has lapsed since the most recent rain event to allow for a static water condition. Visually inspect the system at all manhole and access opening locations. For debris accumulation, visually inspect the netting or screening basket components (if utilized) to determine the bag or basket capacity. Nets or baskets containing only minor quantities of debris may be retained in place. It is recommended to replace the nets or clean the screening baskets when they appear 1/2 - 2/3 full. Failure to replace nets and/or remove floatables from bypass screening (if applicable) will lead to hydraulic relief, drain down deficiencies, and decrease the long-term functionality of the system.

For sediment accumulation, utilize either a sludge sampler or a sediment pole to measure and document the amount of sediment accumulation. To determine the amount of sediment in the system with a sludge sampler follow the manufacturer's instructions. If utilizing a sediment pole, first insert the pole to the top of the sediment layer and record the depth. Then, insert the pole to the bottom of the system and record the depth. The difference in the two measurements corresponds to the amount of sediment in the system. Finally, inspect the inlet pipe opening to ensure that the silt level or any foreign objects are not blocking the pipe.

Maintenance should be done utilizing proper personal protective equipment such as: safety glasses, hard-hat, gloves, first aid kit, etc. Maintenance should occur only when a sufficient

time has lapsed since the most recent rain event to allow for a static water condition for the duration of the maintenance process.
In the case that only trash and floatables need to be removed, and a netting configuration or a removable screening basket is utilized, a vacuum truck is not required. However, a vacuum truck is required if a fixed screening basket configuration is utilized. If the maintenance event is to include oil removal and or sediment removal a vacuum truck or similar equipment would be needed.

Install a new net assembly by sliding the netting frame down the support frame and ensure the netting lays over the plate assembly such that the netting is not restricted. To order additional disposable nets, contact your local SiteSaver representative. New nets come with tie wraps temporarily holding the net material to the frame component for easy handling and storage. It is not recommended to remove the tie wraps until the net is ready to be installed. The frame is tapered from top (widest part) to bottom, and is also tapered from front (towards the sewer) to back. Cut the tie wraps that secures the netting material to the frame for shipment and lower the net down the guide rails. If debris has accumulated in the net support frame, remove the objects so the new net seats fully in the channel when installed.
When lowering the net, the following details should be exercised when placing the net:

- Watch the lowering to make sure that there are no unexpected entanglements.
- Be careful not to let the toe of the net get caught under the frame when it reaches the bottom of the support frame. This is typically accomplished by holding the toe of the net until after the net has started to prop into place.
- Ensure the netting lays over the plate assembly such that the netting is not restricted.

Access to the netting chamber can be achieved via the square grated opening atop the Site Saver unit. Trash net needs to be removed completely (including the frame) with a service vehicle (crane/hoist/boom truck).

For sediment removal, the SiteSaver is designed with clear access at both the inlet and outlet. A vacuum truck, or similar trailer mounted equipment, can be used to remove the sediment, hydrocarbons, and water within the unit. For more effective removal, it is recommended to use sewer jetting equipment or a spray lance to force the sediment to the vacuum hose. When the floor is sufficiently cleaned, fill the system back to its normal water elevation (to the pipe inverts).

Complete a post maintenance inspection to ensure that all components have been replaced and are properly secured within the SiteSaver device. It is a good practice to take time stamped photographs after every maintenance event to include within maintenance logs. After verifying all components, secure the access openings and ensure proper disposal of all pollutants removed during maintenance per local, state, and federal guidelines.

Proof of inspections and maintenance is the responsibility of the owner. All inspection reports and data should be kept on site or at a location where they will be accessible for years in the future. Some municipalities require these inspection and cleaning reports to be forwarded to the proper governmental permitting agency on an annual basis. Refer to your local and national regulations for any additional maintenance requirements and schedules not contained herein. Inspections should be a part of the standard operating procedure. It is good practice to keep records of rainfall events between maintenance events and the weight of material removed, even if no report is required.

F. Sand Filter

Sand filter beds can crust over and become clogged or partially clogged, for this reason we recommend inspecting the sand filters at least annually. To remove this, the upper layer of clogged and / or hardened sand will need to be broken up with a steel rake or a similar device. After breaking up the top 2-5 inches of contaminated media, the lose sand can be scrapped off and removed via a vacuum truck. Replace and regrade the media with the approved material per the original design.

Various contractors specialize in this work. Maintenance methodologies range from manual replacement and removal to robotic devices that require no human entry into the system. Please consult to local maintenance contractors for additional information.

6. Inspection Reports

Proof of these inspections is the responsibility of the property owner. All inspection reports and data should be kept on site or at a location where they will be accessible for years in the future. Some municipalities require these inspection and cleaning reports to be forwarded to the proper governmental permitting agency on an annual basis.

Refer to your local and national regulations for any additional maintenance requirements and schedules not contained herein. Inspections should be a part of your standard operating procedure. Please see Appendix A for a sample Inspection and Maintenance form.

Appendix A

Sample inspection and maintenance log

Underground Detention System Inspection and Maintenance Checklist

Facility:			
Location/Address:			
Date:	**Time:**	**Weather Conditions:**	**Date of Last Inspection:**
Inspector:		**Title:**	
Rain in Last 48 Hours □ **Yes** □ **No**		**If yes, list amount and timing:**	
Pretreatment: □ **vegetated filter strip** □ **swale** □ **turf grass** □ **forebay** □ **other, specify:**			□ **none**
Site Plan or As-Built Plan Available: □ **Yes** □ **No**			

*Do not enter underground detention chambers to inspect system unless Occupational Safety & Health Administration (OSHA) regulations for confined space entry are followed.
*Follow inspection and maintenance instructions and schedules provided by system manufacturer and installer.
* Properly dispose of all wastes.

Inspection Item		Comment	Action Needed
1. PRETREATMENT			
Sediment has accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
2. INLETS			
Inlets are in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment, trash, or debris have accumulated and/or is blocking the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. CHAMBERS			
Sediment accumulation threshold has been reached.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trash and debris have accumulated in chambers.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
4. OTHER SYSTEM COMPONENTS			
Structural deterioration is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
5. OUTLETS			
Outlets in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment, trash or debris are blocking outlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around outlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
6. OTHER			
Evidence of ponding water on area draining to system.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Evidence that water is not being conveyed through the system.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Additional Notes			
Wet weather inspection needed □ **Yes** □ **No**			

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Enclosed

Local Area Filterra Plant List

Introduction

Thank you for your purchase of the Filterra® Bioretention System. Filterra is a specially engineered stormwater treatment system incorporating high performance biofiltration media to remove pollutants from stormwater runoff. The system's biota (vegetation and soil microorganisms) then further breakdown and absorb captured pollutants. All components of the system work together to provide a sustainable long-term solution for treating stormwater runoff.

The Filterra system has been delivered to you with protection in place to resist intrusion of construction related sediment which can contaminate the biofiltration media and result in inadequate system performance. These protection devices are intended as a best practice and cannot fully prevent contamination. It is the purchaser's responsibility to provide adequate measures to prevent construction related runoff from entering the Filterra system.

Included with your purchase is Activation of the Filterra system by the manufacturer as well as a 1-year warranty from delivery of the system and 1-year of routine maintenance (mulch replacement, debris removal, and pruning of vegetation) up to twice during the first year after activation.

Design and Installation

Each project presents different scopes for the use of Filterra systems. Information and help may be provided to the design engineer during the planning process. Correct Filterra box sizing (by rainfall region) is essential to predict pollutant removal rates for a given area. The engineer shall submit calculations for approval by the local jurisdiction. The contractor is responsible for the correct installation of Filterra units as shown in approved plans. A comprehensive installation manual is available at www.ContechES.com.

Activation Overview

Activation of the Filterra system is a procedure completed by the manufacturer to place the system into working condition. This involves the following items:

- Removal of construction runoff protection devices
- Planting of the system's vegetation
- Placement of pretreatment mulch layer using mulch certified for use in Filterra systems.

Activation MUST be provided by the manufacturer to ensure proper site conditions are met for Activation, proper installation of the vegetation, and use of pretreatment mulch certified for use in Filterra systems.

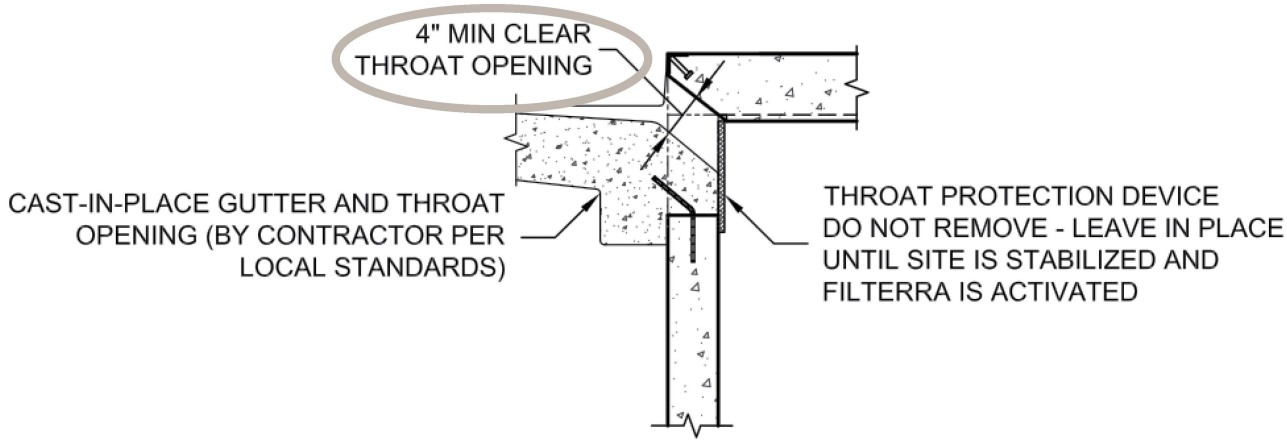
Minimum Requirements

The minimum requirements for Filterra Activation are as follows:

1. The site landscaping must be fully stabilized, i.e. full landscaping installed and some grass cover (not just straw and seed) is required to reduce sediment transport. Construction debris and materials should be removed from surrounding area.

2. Final paving must be completed. Final paving ensures that paving materials will not enter and contaminate the Filterra system during the paving process, and that the plant will receive runoff from the drainage area, assisting with plant survival for the Filterra system.

3. Filterra throat opening should be at least 4" in order to ensure adequate capacity for inflow and debris.



An Activation Checklist is included on page 12 to ensure proper conditions are met for Contech to perform the Activation services. A charge of $500.00 will be invoiced for each Activation visit requested by Customer where Contech determines that the site does not meet the conditions required for Activation.

Filterra Plant Selection Overview

A Plant List has been enclosed with this packet highlighting recommended plants for Filterra systems in your area. Keep in mind that plants are subject to availability due to seasonality and required minimum size for the Filterra system. Plants installed in the Filterra system are container plants (max 15 gallon) from nursery stock and will be immature in height and spread at Activation.

It is the responsibility of the owner to provide adequate irrigation when necessary to the plant of the Filterra system.

The "Planting Requirements for Filterra Systems" document is included as an appendix and discusses proper selection and care of the plants within Filterra systems.

Warranty Overview

Refer to the Contech Engineered Solutions LLC Stormwater Treatment System LIMITED WARRANTY for further information. The following conditions may void the Filterra system's warranty and waive the manufacturer provided Activation and Maintenance services:

- Unauthorized activation or performance of any of the items listed in the activation overview
- Any tampering, modifications or damage to the Filterra system or runoff protection devices
- Removal of any Filterra system components
- Failure to prevent construction related runoff from entering the Filterra system
- Failure to properly store and protect any Filterra components (including media and underdrain stone) that may be shipped separately from the vault

Routine Maintenance Guidelines

With proper routine maintenance, the biofiltration media within the Filterra system should last as long as traditional bioretention media. Routine maintenance is included by the manufacturer on all Filterra systems for the first year after activation. This includes a maximum of 2 visits to remove debris, replace pretreatment mulch, and prune the vegetation. More information is provided in the Operations and Maintenance Guidelines. Some Filterra systems also contain pretreatment or outlet bays. Depending on site pollutant loading, these bays may require periodic removal of debris, however this is not included in the first year of maintenance, and would likely not be required within the first year of operation.

These services, as well as routine maintenance outside of the included first year, can be provided by certified maintenance providers listed on the Contech website. Training can also be provided to other stormwater maintenance or landscape providers.

Why Maintain?

All stormwater treatment systems require maintenance for effective operation. This necessity is often incorporated in your property's permitting process as a legally binding BMP maintenance agreement. Other reasons to maintain are:

- Avoiding legal challenges from your jurisdiction's maintenance enforcement program.
- Prolonging the expected lifespan of your Filterra media.
- Avoiding more costly media replacement.
- Helping reduce pollutant loads leaving your property.

Simple maintenance of the Filterra is required to continue effective pollutant removal from stormwater runoff before discharge into downstream waters. This procedure will also extend the longevity of the living biofilter system. The unit will recycle and accumulate pollutants within the biomass, but is also subjected to other materials entering the inlet. This may include trash, silt and leaves etc. which will be contained above the mulch layer. Too much silt may inhibit the Filterra's flow rate, which is the reason for site stabilization before activation. Regular replacement of the mulch stops accumulation of such sediment.

When to Maintain?

Contech includes a 1-year maintenance plan with each system purchase. Annual included maintenance consists of a maximum of two (2) scheduled visits. Additional maintenance may be necessary depending on sediment and trash loading (by Owner or at additional cost). The start of the maintenance plan begins when the system is activated.

Maintenance visits are scheduled seasonally; the spring visit aims to clean up after winter loads including salts and sands while the fall visit helps the system by removing excessive leaf litter.

It has been found that in regions which receive between 30-50 inches of annual rainfall, (2) two visits are generally required; regions with less rainfall often only require (1) one visit per annum. Varying land uses can affect maintenance frequency; e.g. some fast food restaurants require more frequent trash removal. Contributing drainage areas which are subject to new development wherein the recommended erosion and sediment control measures have not been implemented may require additional maintenance visits.

Some sites may be subjected to extreme sediment or trash loads, requiring more frequent maintenance visits. This is the reason for detailed notes of maintenance actions per unit, helping the Supplier and Owner predict future maintenance frequencies, reflecting individual site conditions.

Owners must promptly notify the (maintenance) Supplier of any damage to the plant(s), which constitute(s) an integral part of the bioretention technology. Owners should also advise other landscape or maintenance contractors to leave all maintenance to the Supplier (i.e. no pruning or fertilizing) during the first year.

Exclusion of Services

Clean up due to major contamination such as oils, chemicals, toxic spills, etc. will result in additional costs and are not covered under the Supplier maintenance contract. Should a major contamination event occur the Owner must block off the outlet pipe of the Filterra (where the cleaned runoff drains to, such as drop inlet) and block off the throat of the Filterra. The Supplier should be informed immediately.

Maintenance Visit Summary

Each maintenance visit consists of the following simple tasks (detailed instructions below).

1. Inspection of Filterra and surrounding area
2. Removal of tree grate and erosion control stones
3. Removal of debris, trash and mulch
4. Mulch replacement
5. Plant health evaluation and pruning or replacement as necessary
6. Clean area around Filterra
7. Complete paperwork

Maintenance Tools, Safety Equipment and Supplies

Ideal tools include: camera, bucket, shovel, broom, pruners, hoe/rake, and tape measure. Appropriate Personal Protective Equipment (PPE) should be used in accordance with local or company procedures. This may include impervious gloves where the type of trash is unknown, high visibility clothing and barricades when working in close proximity to traffic and also safety hats and shoes. A T-Bar or crowbar should be used for moving the tree grates (up to 170 lbs ea.). Most visits require minor trash removal and a full replacement of mulch. See below for actual number of bagged mulch that is required in each media bay size. Mulch should be a double shredded, hardwood variety. Some visits may require additional Filterra engineered soil media available from the Supplier.

Box Length	Box Width	Filter Surface Area (ft^2)	Volume at 3" (ft^3)	# of 2 ft^3 Mulch Bags
4	4	16	4	2
6	4	24	6	3
8	4	32	8	4
6	6	36	9	5
8	6	48	12	6
10	6	60	15	8
12	6	72	18	9
13	7	91	23	12

Maintenance Visit Procedure

Keep sufficient documentation of maintenance actions to predict location specific maintenance frequencies and needs. An example Maintenance Report is included in this manual.

1. Inspection of Filterra and surrounding area

- Record individual unit before maintenance with photograph (numbered). Record on Maintenance Report (see example in this document) the following:

Record on Maintenance Report the following:

Standing Water	yes | no
Damage to Box Structure	yes | no
Damage to Grate	yes | no
Is Bypass Clear	yes | no

If yes answered to any of these observations, record with close-up photograph (numbered).

2. Removal of tree grate and erosion control stones

- Remove cast iron grates for access into Filterra box.
- Dig out silt (if any) and mulch and remove trash & foreign items.

3. Removal of debris, trash and mulch

Record on Maintenance Report the following:

Silt/Clay	yes | no
Cups/ Bags	yes | no
Leaves	yes | no
Buckets Removed	_____

- After removal of mulch and debris, measure distance from the top of the Filterra engineered media soil to the top of the top slab. Compare the measured distance to the distance shown on the approved Contract Drawings for the system. Add Filterra media (not top soil or other) to bring media up as needed to distance indicated on drawings.

Record on Maintenance Report the following:

Distance to Top of Top Slab (inches)	_____
Inches of Media Added	_____

4. Mulch replacement

- Add double shredded mulch evenly across the entire unit to a depth of 3".
- Refer to Filterra Mulch Specifications for information on acceptable sources.
- Ensure correct repositioning of erosion control stones by the Filterra inlet to allow for entry of trash during a storm event.
- Replace Filterra grates correctly using appropriate lifting or moving tools, taking care not to damage the plant.

5. Plant health evaluation and pruning or replacement as necessary

- Examine the plant's health and replace if necessary.
- Prune as necessary to encourage growth in the correct directions

Record on Maintenance Report the following:

Height above Grate	_____ (ft)
Width at Widest Point	_____ (ft)
Health	healthy | unhealthy
Damage to Plant	yes | no
Plant Replaced	yes | no

6. Clean area around Filterra

- Clean area around unit and remove all refuse to be disposed of appropriately.

7. Complete paperwork

- Deliver Maintenance Report and photographs to appropriate location (normally Contech during maintenance contract period).
- Some jurisdictions may require submission of maintenance reports in accordance with approvals. It is the responsibility of the Owner to comply with local regulations.

Maintenance Checklist

Drainage System Failure	Problem	Conditions to Check	Condition that Should Exist	Actions
Inlet	Excessive sediment or trash accumulation.	Accumulated sediments or trash impair free flow of water into Filterra.	Inlet should be free of obstructions allowing free distributed flow of water into Filterra.	Sediments and/or trash should be removed.
Mulch Cover	Trash and floatable debris accumulation.	Excessive trash and/or debris accumulation.	Minimal trash or other debris on mulch cover.	Trash and debris should be removed and mulch cover raked level. Ensure bark nugget mulch is not used.
Mulch Cover	"Ponding" of water on mulch cover.	"Ponding" in unit could be indicative of clogging due to excessive fine sediment accumulation or spill of petroleum oils.	Stormwater should drain freely and evenly through mulch cover.	Recommend contact manufacturer and replace mulch as a minimum.
Vegetation	Plants not growing or in poor condition.	Soil/mulch too wet, evidence of spill. Incorrect plant selection. Pest infestation. Vandalism to plants.	Plants should be healthy and pest free.	Contact manufacturer for advice.
Vegetation	Plant growth excessive.	Plants should be appropriate to the species and location of Filterra.		Trim/prune plants in accordance with typical landscaping and safety needs.
Structure	Structure has visible cracks.	Cracks wider than 1/2 inch or evidence of soil particles entering the structure through the cracks.		Vault should be repaired.
Maintenance is ideally to be performed twice annually.				

Filterra Inspection & Maintenance Log

Filterra System Size/Model:_____ **Location:** _____

Date	Mulch & Debris Removed	Depth of Mulch Added	Mulch Brand	Height of Vegetation Above Grate	Vegetation Species	Issues with System	Comments
1/1/17	*5 – 5 gal Buckets*	*3″*	*Lowe's Premium Brown Mulch*	*4′*	*Galaxy Magnolia*	*- Standing water in downstream structure*	*- Removed blockage in downstream structure*

Appendix 1 – Filterra® Activation Checklist

Project Name: _____ Company: _____

Site Contact Name: _____ Site Contact Phone/Email: _____

Site Owner/End User Name: _____ Site Owner/End User Phone/Email: _____

Preferred Activation Date: _____ (provide 2 weeks minimum from date this form is submitted)

Site Designation	System Size	Final Pavement / Top Coat Complete	Landscaping Complete / Grass Emerging	Construction materials / Piles / Debris Removed	Throat Opening Measures 4" Min. Height	Plant Species Requested
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	

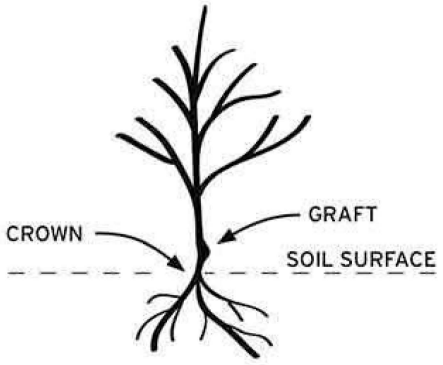
Attach additional sheets as necessary.

NOTE: A charge of $500.00 will be invoiced for each Activation visit requested by Customer where Contech determines that the site does not meet the conditions required for Activation. ONLY Contech authorized representatives can perform Activation of Filterra systems; unauthorized Activations will void the system warranty and waive manufacturer supplied Activation and 1st Year Maintenance.

Signature _____ Date _____

Appendix 2 – Planting Requirements for Filterra® Systems

Plant Material Selection



- Select plant(s) as specified in the engineering plans and specifications.
- Select plant(s) with full root development but not to the point where root bound.
- Use local nursery container plants only. Ball and burlapped plants are not permitted.
- For precast Filterra systems with a tree grate, plant(s) must not have scaffold limbs at least 14 inches from the crown due to spacing between the top of the mulch and the tree grate. Lower branches can be pruned away provided there are sufficient scaffold branches for tree or shrub development.
- For precast Filterra systems with a tree grate, at the time of installation, it is required that plant(s) must be at least 6" above the tree grate opening at installation for all Filterra configurations. This DOES NOT apply to Full Grate Cover designs.
- Plant(s) shall not have a mature height greater than 25 feet.
- For standard 21" media depth, a 7 – 15 gallon container size shall be used. Media less than 21" (Filterra boxes only) will require smaller container plants.
- For precast Filterra systems, plant(s) should have a single trunk at installation, and pruning may be necessary at activation and maintenance for some of the faster growing species, or species known to produce basal sprouts.

Plant Installation

- During transport protect the plant leaves from wind and excessive jostling.
- Prior to removing the plant(s) from the container, ensure the soil moisture is sufficient to maintain the integrity of the root ball. If needed, pre-wet the container plant.
- Cut away any roots which are growing out of the container drain holes. Plants with excessive root growth from the drain holes should be rejected.
- Plant(s) should be carefully removed from the pot by gently pounding on the sides of the container with the fist to loosen root ball. Then carefully slide out. Do not lift plant(s) by trunk as this can break roots and cause soil to fall off. Extract the root ball in a horizontal position and support it to prevent it from breaking apart. Alternatively the pot can be cut away to minimize root ball disturbance.
- Remove any excess soil from above the root flare after removing plant(s) from container.
- Excavate a hole with a diameter 4" greater than the root ball, gently place the plant(s).
- If plant(s) have any circling roots from being pot bound, gently tease them loose without breaking them.
- If root ball has a root mat on the bottom, it should be shaved off with a knife just above the mat line.
- Plant the tree/shrub/grass with the top of the root ball 1" above surrounding media to allow for settling.
- All plants should have the main stem centered in the tree grate (where applicable) upon completion of installation.
- With all trees/shrubs, remove dead, diseased, crossed/rubbing, sharply crotched branches or branches growing excessively long or in wrong direction compared to majority of branches.
- To prevent transplant shock (especially if planting takes place in the hot season), it may be necessary to prune some of the foliage to compensate for reduced root uptake capacity. This is accomplished by pruning away some of the smaller secondary branches or a main scaffold branch if there are too many. Too much foliage relative to the root ball can dehydrate and damage the plant.
- Plant staking may be required.

Mulch Installation

- Only mulch that has been meeting Contech Engineered Solutions' mulch specifications can be used in the Filterra system.
- Mulch must be applied to a depth of 3" evenly over the surface of the media.

Irrigation Requirements

- Each Filterra system must receive adequate irrigation to ensure survival of the living system during periods of drier weather.
- Irrigation sources include rainfall runoff from downspouts and/or gutter flow, applied water through the tree grate or in some cases from an irrigation system with emitters installed during construction.
- At Activation: Apply about one (cool climates) to two (warm climates) gallons of water per inch of trunk diameter over the root ball.
- During Establishment: In common with all plants, each Filterra plant will require more frequent watering during the establishment period. One inch of applied water per week for the first three months is recommended for cooler climates (2 to 3 inches for warmer climates). If the system is receiving rainfall runoff from the drainage area, then irrigation may not be needed. Inspection of the soil moisture content can be evaluated by gently brushing aside the mulch layer and feeling the soil. Be sure to replace the mulch when the assessment is complete. Irrigate as needed**.
- Established Plants: Established plants have fully developed root systems and can access the entire water column in the media. Therefore irrigation is less frequent but requires more applied water when performed. For a mature system assume 3.5 inches of available water within the media matrix. Irrigation demand can be estimated as 1" of irrigation demand per week. Therefore if dry periods exceed 3 weeks, irrigation may be required. It is also important to recognize that plants which are exposed to windy areas and reflected heat from paved surfaces may need more frequent irrigation. Long term care should develop a history which is more site specific.

** Five gallons per square yard approximates 1 inch of water Therefore for a 6' by 6' Filterra approximately 20-60 gallons of water is needed. To ensure even distribution of water it needs to be evenly sprinkled over the entire surface of the filter bed, with special attention to make sure the root ball is completely wetted. NOTE: if needed, measure the time it takes to fill a five gallon bucket to estimate the applied water flow rate then calculate the time needed to irrigate the Filterra. For example, if the flow rate of the sprinkler is 5 gallons/minute then it would take 12 minutes to irrigate a 6' by 6' filter.

Notes

filterra®
Bioretention Systems

CONTECH®
ENGINEERED SOLUTIONS

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STORMWATER SOLUTIONS

PUMP SYSTEMS INSPECTION & MAINTENANCE MANUAL

10244 Freeman Avenue | Santa Fe Springs, CA 90670 | 562-777-9724
sfwsystems.com

PUMP SYSTEM - INSPECTION & MAINTENANCE

Inspection and maintenance of the pump system is vital for the performance and life cycle of the stormwater management system. All local, state, and federal permits and regulations must be followed for system compliance. Manway access locations are provided on each system for ease of ingress and egress for routine inspection and maintenance activities. Stormwater regulations require that all BMPs be inspected and maintained to ensure they are operating as designed and providing protection to receiving water bodies. It is recommended that inspections be performed multiple times during the first year to assess the site-specific conditions. Inspection after the first significant rainfall event and at quarterly intervals is typical. This is recommended because pollutant loading and pollutant characteristics can vary greatly from site to site. Variables such as nearby soil erosion or construction sites, winter sanding on roads, amount of daily traffic and land use can increase pollutant loading on the system. The first year of inspections can be used to set inspection and maintenance intervals for subsequent years to ensure appropriate maintenance is provided. Without appropriate maintenance, a BMP can exceed its storage capacity, become blocked, or damaged, which can negatively affect its continued performance. Pump systems should be inspected at the same time as other components of the stormwater management system.

Inspection Equipment

Following is a list of equipment to allow for simple and effective inspection of the underground pump system:

- Santa Fe Water Systems Inspection and Maintenance Report Form
- Flashlight
- Manhole hook or appropriate tools to access hatches and covers
- Appropriate traffic control signage and procedures
- Measuring pole and/or tape measure
- Protective clothing and eye protection
- Note: Entering a confined space requires appropriate safety and certification. It is generally not required for routine inspections of the system.

Inspection Steps

The key to any successful stormwater BMP maintenance program is routine inspections. The inspection steps required on the pump system are quick and easy. As mentioned above, the first year should be seen as the maintenance interval establishment phase. During the first year more frequent inspections should occur in order to gather loading data and maintenance requirements for that specific site. This information can be used to establish a base for long term inspection and maintenance interval requirements.

The pump system can be inspected though visual observation without entry into the system. All necessary pre-inspection steps must be carried out before inspection occurs, especially traffic control and other safety measures to protect the inspector and nearby pedestrians from any dangers associated with an open access hatch or manhole. Once these access covers have been safely opened the inspection process can proceed:

- Prepare the inspection form by writing in the necessary information including project name, location, date & time, unit number and other information (see inspection form).
- Observe the upstream drainage area and look for sources of pollution, sediment, trash and debris.
- Observe the inside of the system through the access manholes. If minimal light is available and vision into the unit is impaired, utilize a flashlight to see inside the system and all of its modules.
- Look for any out of the ordinary obstructions in the inflow pipe(s). Check pipes for movement or leakage. Write down any observations on the inspection form.
- Observe vault walls for signs of deterioration.
- Through observation and/or digital photographs, estimate the amount of floatable debris accumulated in the system. Record this information on the inspection form. Next, utilizing a tape measure or measuring stick, estimate the amount of sediment accumulated in the system. Record this depth on the inspection form.
- Finalize inspection report for analysis by the maintenance manager to determine if maintenance is required.

Maintenance Indicators

Based upon observations made during inspection, maintenance of the system may be required based on the following indicators:

- Damaged inlet and outlet pipes.
- Obstructions in the system or its inlet(s).
- Excessive accumulation of floatables.
- Excessive accumulation of sediment of more than 6" in depth.
- Damaged joint sealant.

Maintenance Equipment

While maintenance can be done fully by hand, it is recommended that a vacuum truck be utilized to minimize time required to maintain the underground detention, retention, or infiltration system:

- Santa Fe Water Systems Inspection and Maintenance Report Form
- Flashlight

- Manhole hook or appropriate tools to access hatches and covers
- Appropriate traffic control signage and procedures
- Measuring pole and/or tape measure
- Protective clothing and eye protection
- Vacuum truck
- Trash can
- Note: Entering a confined space requires appropriate safety and certification. It is generally not required for routine inspections of the system. Entry into the system will be required if maintenance is required. Some pump systems are sized such that entry is not possible and maintenance will be performed from the surface only.

Maintenance Procedures

It is recommended that maintenance occurs at least three days after the most recent rain event to allow for drain down of the system and any upstream detention systems designed to drain down or pump out over an extended period of time. Maintaining the system while flows are still entering it will increase the time and complexity required for maintenance. Once all safety measures have been set up cleaning of the system can proceed as follows:

- Remove pump(s) and piping components. This may require a hoist or portable crane system depending on pump weight.
- Using an extension on a boom on the vacuum truck, position the hose over the opened manway and lower into the system. Remove all floating debris, standing water (as needed) and sediment from the system. A power washer can be used to assist if sediments have become hardened and stuck to the walls and columns.

If maintenance requires entry into the vault:

- Following rules for confined space entry use a gas meter to detect the presence of any hazardous gases. If hazardous gases are present do not enter the vault. Follow appropriate confined space procedures, such as utilizing venting system, to address the hazard. Once it is determined to be safe, enter utilizing appropriate entry equipment such as a ladder and tripod with harness.
- The last step is to close up and replace all manhole covers and remove all traffic control.
- All removed debris and pollutants shall be disposed of following local and state requirements.

For Pump Maintenance, see provided O&M manual specific to the pump manufacturer.

For Maintenance Services please contact Santa Fe Water Systems at 562-777-9724 for assistance in finding an authorized service provider.

Inspection and Maintenance Report
Pump Systems

Project Name _____

Project Address _____ _____
[Street Number, Street Name (or Cross-Streets), City, Zip Code]

Owner / Management Company _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

Site Map #	GPS Coordinates	Model #	Inspection of Inlet and Outlet Pipes, Joints, and Connections Between Modules	Trash or Sediment Accumulation (lbs) & Depth (inches)	Structural Notes	Operational Per Manufacturer's Specifications (If not, why?)
	Lat: Long:					
	Lat: Long:					
	Lat: Long:					
Comments:						

ATTACHMENT 4 – COPY OF PLAN SHEETS

Showing Permanent Storm Water BMPs, Source Control, and Site Design

This is the cover sheet for Attachment 4.

Use this checklist to ensure the required information has been included on the plans. Include checklist in submittal and check all boxes that are applicable. Provide justification for items not included.

The plans must identify:

☒ Structural BMP(s) with ID numbers matching Step 5 Summary of PDP Structural BMPs
☒ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
☒ Details and specifications for construction of structural BMP(s)
☒ Signage indicating the location and boundary of structural BMP(s) as required by City staff
☒ How to access the structural BMP(s) to inspect and perform maintenance
☒ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
☒ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
☒ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
☒ Recommended equipment to perform maintenance
☒ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
☒ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
☒ All BMPs must be fully dimensioned on the plans
☒ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number must be provided. Photocopies of general brochures are not acceptable.
☒ Include all source control and site design measures described in Steps 3 and 4 of the SWQMP. Can be included as a separate exhibit as necessary.

TENTATIVE TRACT MAP 22-0001/ DEVELOPMENT REVIEW 22-0003/ SP 22-0001/ ZC 22-0001/ GPA 22-0001

HARMON RANCH

CITY OF POWAY, CALIFORNIA

LAND USE

LOT AREA SUMMARY	SF	AC	LOT COVERAGE	TOTAL GROUND FLOOR SF	MAX SF ALLOWED AT 0.55	MAX SF ALLOWABLE ADDITION
LOT 1- PLAN 1, SB w/CA	3,858	0.09	0.47	1,818	2121.9	304
LOT 2- PLAN 2, M	3,864	0.09	0.49	1,878	2125.2	247
LOT 3- PLAN 2, R	3,864	0.09	0.50	1,929	2125.2	196
LOT 4- PLAN 1, FH w/CA	3,881	0.09	0.48	1,872	2134.6	263
LOT 5- PLAN 1, SB w/CA	4,673	0.11	0.39	1,818	2570.2	752
LOT 6- PLAN 3, SB	4,229	0.10	0.44	1,876	2326.0	450
LOT 7- PLAN 1, FH w/CA	4,104	0.09	0.46	1,872	2257.2	385
LOT 8- PLAN 2, M	4,024	0.09	0.47	1,878	2213.2	335
LOT 9- PLAN 3, FH	3,935	0.09	0.49	1,933	2164.3	231
LOT 10- PLAN 1, M	3,824	0.09	0.43	1,639	2103.2	464
LOT 11- PLAN 1, SB	3,982	0.09	0.41	1,638	2190.1	552
LOT 12- PLAN 2, R	3,864	0.09	0.50	1,929	2125.2	196
LOT 13- PLAN 3, FH	3,864	0.09	0.50	1,933	2125.2	192
LOT 14- PLAN 2, SB	3,864	0.09	0.50	1,929	2125.2	196
LOT 15- PLAN 3, FH	3,864	0.09	0.50	1,933	2125.2	192
LOT 16- PLAN 2, R	3,864	0.09	0.50	1,929	2125.2	196
LOT 17- PLAN 3, SB	3,986	0.09	0.47	1,876	2192.3	316
LOT 18- PLAN 2, R w/CA	5,113	0.12	0.42	2,124	2812.2	688
LOT 19- PLAN 1, M w/CA	4,051	0.09	0.45	1,819	2228.1	409
LOT 20- PLAN 3, SB w/CA	4,136	0.09	0.49	2,036	2274.8	239
LOT 21- PLAN 1, FHR w/CA	4,262	0.10	0.44	1,872	2344.1	472
LOT 22- PLAN 2, R w/CA	3,962	0.09	0.54	2,124	2179.1	55
LOT 23- PLAN 1, M w/CA	3,570	0.08	0.51	1,819	1963.5	145
LOT 24- PLAN 1, SB w/CA	3,570	0.08	0.51	1,818	1963.5	146
LOT 25- PLAN 1, FH w/CA	3,774	0.09	0.50	1,872	2075.7	204
LOT 26- PLAN 3, SB w/CA	3,945	0.09	0.52	2,036	2169.8	134
LOT 27- PLAN 2, R w/CA	3,939	0.09	0.54	2,124	2166.5	42
LOT 28- PLAN 3, FH w/CA	3,934	0.09	0.53	2,093	2163.7	71
LOT 29- PLAN 2, SB w/CA	3,928	0.09	0.54	2,124	2160.4	36
LOT 30- PLAN 1, M w/CA	3,729	0.09	0.49	1,819	2051.0	232
LOT 31- PLAN 1, FH w/CA	3,847	0.09	0.49	1,872	2115.9	244
LOT 32- PLAN 3, R w/CA	3,864	0.09	0.54	2,091	2125.2	34
LOT 33- PLAN 1, FH w/CA	3,939	0.09	0.48	1,872	2166.5	294
LOT 34- PLAN 3, R w/CA	3,881	0.09	0.54	2,091	2134.6	44
LOT 35- PLAN 2, M w/CA	3,912	0.09	0.53	2,073	2151.6	79
LOT 36- PLAN 3, SB w/CA	4,855	0.11	0.42	2,036	2670.3	634
LOT 37- PLAN 1, M w/CA	4,220	0.10	0.43	1,819	2321.0	502
LOT 38- PLAN 3, FH w/CA	3,864	0.09	0.54	2,093	2125.2	32
LOT 39- PLAN 2, M w/CA	3,864	0.09	0.54	2,073	2125.2	52
LOT 40- PLAN 1, SB w/CA	3,864	0.09	0.47	1,818	2125.2	307
LOT 41- PLAN 2, R w/CA	3,864	0.09	0.55	2,124	2125.2	1
LOT 42- PLAN 1, M w/CA	3,864	0.09	0.47	1,819	2125.2	306
LOT 43- PLAN 2, SB w/CA	3,865	0.09	0.55	2,124	2125.8	2
LOT 44- PLAN 1, FH w/CA	3,798	0.09	0.49	1,872	2088.9	217
LOT 45- PLAN 2, R w/CA	3,864	0.09	0.55	2,124	2125.2	1
LOT 46- PLAN 3, SB w/CA	3,864	0.09	0.53	2,036	2125.2	89
LOT 47- PLAN 2, M w/CA	3,864	0.09	0.54	2,073	2125.2	52
LOT 48- PLAN 3, R w/CA	3,863	0.09	0.54	2,091	2124.7	34
LOT 49- PLAN 1, FH w/CA	4,577	0.11	0.41	1,872	2517.4	645
LOT 50- PLAN 1, FH w/CA	3,612	0.08	0.52	1,872	1986.6	115
LOT 51- PLAN 1, SB w/CA	3,738	0.09	0.49	1,818	2055.9	238
LOT 52- PLAN 3, R w/CA	3,864	0.09	0.54	2,091	2125.2	34
LOT 53- PLAN 2, M w/CA	3,864	0.09	0.54	2,073	2125.2	52
LOT 54- PLAN 3, FH w/CA	3,864	0.09	0.54	2,093	2125.2	32
LOT 55- PLAN 2, R w/CA	3,864	0.09	0.55	2,124	2125.2	1
LOT 56- PLAN 3, SB w/CA	3,864	0.09	0.53	2,036	2125.2	89
LOT 57- PLAN 2, M w/CA	3,864	0.09	0.54	2,073	2125.2	52
LOT 58- PLAN 3, SB w/CA	3,864	0.09	0.53	2,036	2125.2	89
LOT 59- PLAN 2, R w/CA	3,864	0.09	0.55	2,124	2125.2	1
LOT 60- PLAN 1, FH w/CA	3,648	0.08	0.51	1,872	2006.4	134
LOT 61- PLAN 1, M w/CA	3,739	0.09	0.49	1,819	2056.5	237
LOT 62- PLAN 3, SB w/CA	3,978	0.09	0.51	2,036	2187.9	152
LOT 63- PLAN 1, SB w/CA	3,923	0.09	0.46	1,818	2157.7	340
SUBTOTAL	248,540	5.71				
LOT 64- HISTORIC HOME	10,948	0.25				
SUBTOTAL	10,948	0.25				
OS-1	56,343	1.29				
OS-2	25,666	0.59				
OS-3	1,430	0.03				
OS-4	12,168	0.28				
SUBTOTAL	95,607	2.19				
OSR-1	5,620	0.13				
OSR-2	11,026	0.25				
OSR-3	3,824	0.09				
OSR-4	1,692	0.04				
OSR-5	1,157	0.03				
OSR-6	18,236	0.42				
OSR-7	1,234	0.03				
SUBTOTAL	42,789	0.99				
PRIVATE STREET 'A'	36,322	0.83				
PRIVATE STREET 'B'	28,544	0.66				
PRIVATE STREET 'C'	6,366	0.15				
PRIVATE STREET 'D'	5,663	0.13				
PRIVATE STREET 'E'	2,161	0.05				
ROCA GRANDE (EXISTING)	3,159	0.07				
SUBTOTAL	82,215	1.89				
PUBLIC STREET (OAK KNOLL)	21,273	0.49				
SUBTOTAL	21,273	0.49				
PROJECT TOTAL	501,372	11.51				

LAND USE SUMMARY

Land Use	ACRES
Single Family	5.71
Historic Home	0.25
Open Space OS-3&4	0.31
Open Space Rec	0.99
Subtotal Net Project Area	7.26
Private Streets	1.88
Public Street (Oak Knoll)	0.49
Open Space Floodway OS-1&2	1.88
Project Total	11.51

GROUND FLOOR AREA PER UNIT

	GROUND FLOOR SF	
	W/O CA ROOM	WITH CA ROOM
PLAN 1		
SB	1,638	1,818
FH	1,692	1,872
M	1,639	1,819
PLAN 2		
SB	1,929	2,124
R	1,929	2,124
M	1,878	2,073
PLAN 3		
SB	1,876	2,036
R	1,931	2,091
FH	1,933	2,093

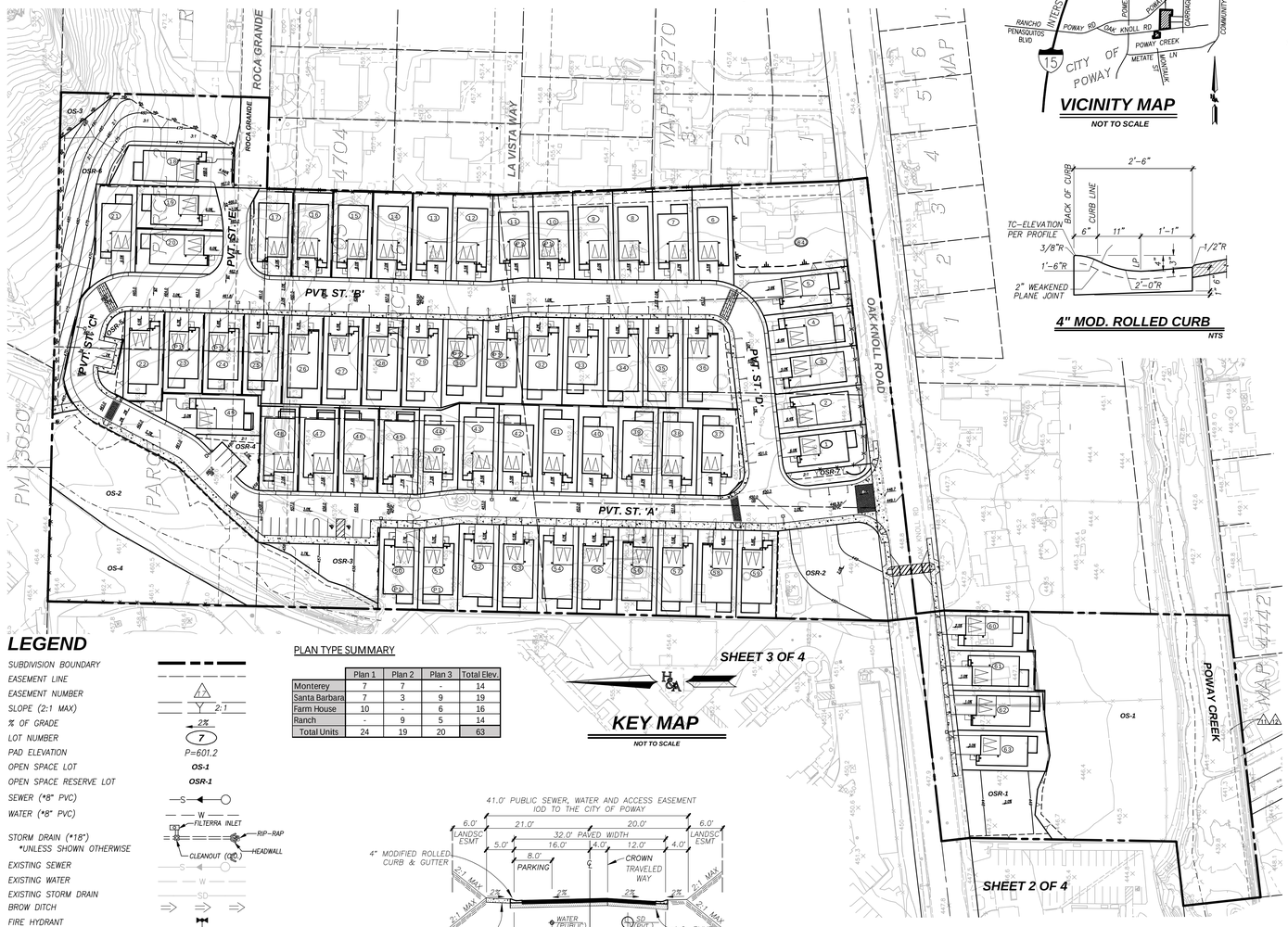
PARKING SUMMARY

PARKING REQUIRED

NO. OF UNITS	SPACES REQUIRED PER LOT (PER 17.08.160 RS-7)	TOTAL
63	2 CAR GARAGE GUEST-NO STATED REQUIREMENT	126
TOTAL REQUIRED		*126*

PARKING PROVIDED

GARAGE		126
GUEST		
DRIVEWAY	126	
PARALLEL	22	
PERPENDICULAR	18	
SUBTOTAL GUEST		166
TOTAL PROVIDED		*292*



SHEET 3 OF 4

SHEET 2 OF 4

KEY MAP

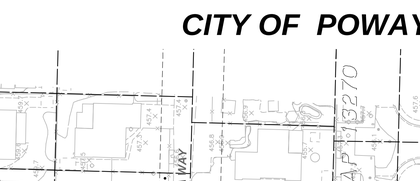
NOT TO SCALE

LEGEND

- *SUBDIVISION BOUNDARY*
- *EASEMENT LINE*
- *EASEMENT NUMBER* (/1/)
- *SLOPE (2:1 MAX)* (2:1)
- *% OF GRADE* (2%)
- *LOT NUMBER* (7)
- *PAD ELEVATION* P=601.2
- *OPEN SPACE LOT* OS-1
- *OPEN SPACE RESERVE LOT* OSR-1
- *SEWER (*8" PVC)*
- *WATER (*8" PVC)*
- *STORM DRAIN (*18")* **UNLESS SHOWN OTHERWISE* (FILTERRA INLET, RIP-RAP, HEADWALL, CLEANOUT (TYP.))
- *EXISTING SEWER*
- *EXISTING WATER*
- *EXISTING STORM DRAIN*
- *BROW DITCH*
- *FIRE HYDRANT*
- *EXISTING FIRE HYDRANT*
- *STREET LIGHT*
- *RETAINING WALL RSD C-4* *UNLESS SHOWN OTHERWISE*
- *TOP/BOTTOM OF WALL ELEVATION* TW/BW
- *FINISHED SURFACE ELEVATION* FS
- *DIRECTION OF FLOW/EARTH SWALE*
- *DRIVEWAY CUT PER SDRSD G-14b*
- *10' CROSSWALK-COLOR STAMPED CONC.*
- *CONCRETE SIDEWALK OR TRAIL*
- *POTENTIALLY JURISDICTIONAL WATERS*
- *PLAN TYPE & ELEVATION* (1SB)
- *ADA PATH OF TRAVEL*
- *DECORATIVE PAVEMENT FOR TRAFFIC CALMING*
- *CROSS GUTTER*

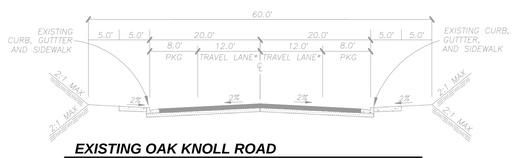
PLAN TYPE SUMMARY

	Plan 1	Plan 2	Plan 3	Total Elev.
Monterey	7	7	-	14
Santa Barbara	7	3	9	19
Farm House	10	-	6	16
Ranch	-	9	5	14
Total Units	24	19	20	63



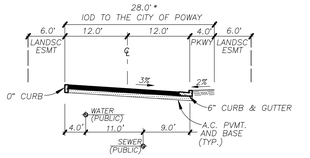
32' PAVED PRIVATE STREET
STREETS 'B' & 'D', AND PORTION OF 'A'

PARKING PERMITTED ON ONE SIDE OF ROAD *PRIVATE ROAD* *NTS*
20 MPH DESIGN SPEED



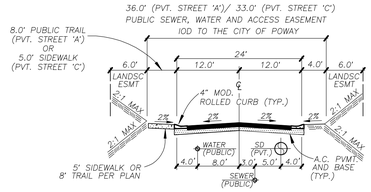
EXISTING OAK KNOLL ROAD

LOCAL COLLECTOR, 30 MPH (PUBLIC) *NTS*
** SHARED USE BIKE LANE*



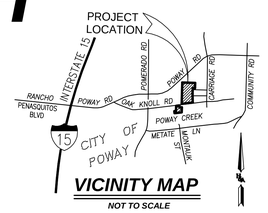
24' PAVED PRIVATE STREET
STREET 'E'

20 MPH DESIGN SPEED *PRIVATE ROAD* *NTS*
** DIMENSION VARIES AT EVA CONNECTION*



24' PAVED PRIVATE STREET
STREETS 'A' & 'C'

20 MPH DESIGN SPEED *PRIVATE ROAD* *NTS*



VICINITY MAP

NOT TO SCALE

4" MOD. ROLLED CURB

NTS

GENERAL NOTES

1. *TOTAL SITE AREA: 11.51 AC*
2. *TOTAL SPECIFIC PLAN BOUNDARY: 11.51 AC*
3. *TOTAL NO. RES UNITS: 64*
4. *TOTAL NO. LOTS: 81 (63 RESIDENTIAL LOTS, 1 HISTORIC HOME LOT, 4 OPEN SPACE LOTS, 7 OPEN SPACE/REC LOTS, 6 PRIVATE STREET LOTS)*
5. *ASSESSOR'S PARCEL NUMBER: SEE SHEET 4 OF 4*
6. *EXIST. GENERAL PLAN DESIGNATION: RS-7*
7. *PROPOSED GENERAL PLAN DESIGNATION: PD*
8. *EXISTING ZONING: RS-7 PROPOSED ZONING: PD (SPECIFIC PLAN)*
9. *PROPOSED DENSITY: 64 (TOTAL RESIDENTIAL LOTS)/ 7.26 ACRES (NET PROJECT AREA)= 8.8 DU/AC*
10. *LOT AREAS AND COVERAGE ARE SUBJECT TO CHANGE IN FINAL MAPPING.*

GENERAL DESIGN NOTES

1. *ALL STREET DESIGNS, STREET LIGHTS, AND FIRE HYDRANTS TO CONFORM TO CITY OF POWAY DESIGN STANDARDS AND AS REQUIRED BY THE CITY ENGINEER.*
2. *EASEMENTS AS REQUIRED BY THE CITY ENGINEER, PUBLIC UTILITIES AND DISTRICTS.*
3. *ALL PROPOSED UTILITIES TO BE UNDERGROUND. EXISTING UTILITY POLES LESS THAN 69Kv TO BE UNDERGROUNDED WITHIN THE PROJECT BOUNDARY.*
4. *CONTOUR INTERVAL: 2 FEET*
5. *FINISHED GRADES AND DIMENSIONS SHOWN HEREON ARE PRELIMINARY ONLY AND SUBJECT TO CHANGE IN FINAL DESIGN.*
6. *SOILS INFORMATION WAS OBTAINED FROM SOILS REPORTS BY: GEOCON, INC. DATED 06/15/2022.*
7. *CUT AND FILL SLOPES NOT TO EXCEED 2:1.*
8. *THIS PROJECT IS A MULTIPLE "UNIT" SUBDIVISION. IT IS THE INTENT THAT MULTIPLE FINAL MAPS BE FILED PURSUANT TO SECTION 66456.1 OF THE SUBDIVISION MAP ACT. THE FINAL MAP MAY CONSIST OF ONE OR MORE MULTIPLE LOTS AS SHOWN ON THIS TENTATIVE MAP.*
9. *ALL STREETS SHALL BE CONSTRUCTED IN CONFORMANCE WITH POWAY MUNICIPAL CODE 12.20.070. STREETS WITH GRADES OVER 10 PERCENT MAY BE REQUIRED TO BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE TO THE SATISFACTION OF THE DIRECTOR OF DEVELOPMENT SERVICES (MIN. THICKNESS SHALL BE SIX INCHES) WHEN NECESSITATED BY SPECIFIC FIELD CONDITIONS.*
10. *SEE SHEET 4 FOR EXISTING EASEMENTS. ANY EASEMENT NOT SHOWN ON SITE PLAN SHEETS TO BE VACATED AND/OR RELOCATED AS SHOWN ON SHEET 4.*
11. *RETAINING WALLS SHALL COMPLY WITH POWAY MUNICIPAL CODE 17.08.240 OR AS OTHERWISE SHOWN IN THE SPECIFIC PLAN*
12. *FIRE NOTES SHOWN ON SHEET 2*
13. *RESIDENTIAL DRIVEWAYS SHALL BE 20' WIDE BY 20' DEEP MINIMUM, WITH 16' WIDE APPROACHES.*
14. *OFF STREET PARKING SHALL COMPLY WITH PMC CHAPTER 17.42*
15. *HOMESITES WITHIN THE PROJECT THAT ARE LOCATED WITHIN THE FLOOD PLAIN (AE ZONE) WILL HAVE A MINIMUM FINISH FLOOR ELEVATION OF 2' ABOVE THE BASE FLOOD ELEVATION. FIRM PANEL #1358G DATED 05/16/2012*
16. *PRIVATE STREETS SHALL HAVE AN IOD TO CITY OF POWAY ON THE FINAL MAP*
17. *SEE WALL/ FENCE DETAILS ON SHEET 4.*

EARTHWORK/GRADING QUANTITIES

CUT: 19,250 C.Y.
FILL: 19,250 C.Y.

MAX. DEPTH OF CUT=18', MAX DEPTH OF FILL=3'.
GRADING QUANTITIES SHOWN ARE RAW QUANTITIES ONLY AND DO NOT INCLUDE THE EFFECT OF REMEDIAL GRADING SHOWN IN THE PRELIMINARY SOILS REPORT.

EXISTING EASEMENTS & ENCUMBRANCES

SEE SHEET 4 of 4 FOR PROPOSED DISPOSITION. ONLY EASEMENTS TO REMAIN ARE PLOTTED ON TM SHEETS 2 & 3.

LEGAL DESCRIPTION

SEE SHEET 4 of 4

TOPOGRAPHIC DATA

TOPO FLOWN BY R.J. LUNG ON 11/29/21 @ 1' CONTOUR INTERVAL

BENCHMARK: CITY OF POWAY BENCHMARK NUMBER A-35
2" DIAMETER BRASS DISK STAMPED "POWAY A-35," IN THE TOP OF CURB ON THE SOUTHERLY SIDE OF POWAY ROAD +32 FEET WESTERLY FROM THE APPROXIMATE CENTERLINE OF RIDGEDALE DRIVE AND ADJACENT TO A STREET LIGHT.

DATUM: NGVD29
PROJECT TO BE ADJUSTED TO DATUM NAVD88 DURING FINAL ENGINEERING. PROPOSED ELEVATIONS SHOWN HEREON TO BE ADJUSTED +2.1 FEET TO BE IN SUBSTANTIAL CONFORMANCE.

PUBLIC UTILITIES AND DISTRICTS

GAS AND ELECTRIC	*SAN DIEGO GAS AND ELECTRIC*	*STORM DRAIN*	*CITY OF POWAY*
TELEPHONE	*PACIFIC BELL TELEPHONE*	*FIRE*	*CITY OF POWAY*
WATER	*POWAY MUNICIPAL WATER DIST.*	*POLICE*	*SAN DIEGO COUNTY SHERIFF*
WATER TRANSMISSION	*SAN DIEGO COUNTY WATER AUTHORITY*	*SCHOOLS*	*POWAY UNIFIED SCHOOL DIST.*
SEWER	*POWAY MUNICIPAL WATER DIST.*		

OWNERS

HARMON FAMILY TRUST *DATE*

SUBDIVIDER/ APPLICANT

LENNAR *DATE*

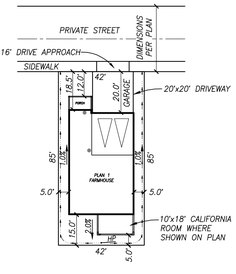
SHEET INDEX

SHEET 1	*TITLE SHEET*
SHEET 2	*TENTATIVE MAP/ PRELIMINARY DEMOLITION PLAN*
SHEET 3	*TENTATIVE MAP*
SHEET 4	*RECORD BOUNDARY & ENCUMBRANCES, WALL/ FENCE DETAILS*

ENGINEER OF WORK

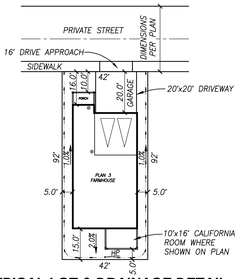
REGISTERED PROFESSIONAL ENGINEER — ALISA S. VIALPANDO — C 47945 — CIVIL — STATE OF CALIFORNIA

ALISA S. VIALPANDO R.C.E. 47945 DATE
MY REGISTRATION EXPIRES ON 12/31/23



TYPICAL LOT & DRAINAGE DETAIL

PLAN 1 *NTS*



TYPICAL LOT & DRAINAGE DETAIL

PLANS 2 & 3 *NTS*

PREPARED BY:

HUNSAKER & ASSOCIATES SAN DIEGO, INC

PLANNING 9707 Waples ST.
ENGINEERING San Diego, Ca 92121
SURVEYING PH(858)558-4500 · FX(858)558-1414

NO.	REVISIONS	DATE	BY
1	FIRST SUBMITTAL	07-25-22	H&A
2	SECOND SUBMITTAL	12-09-22	H&A
3	THIRD SUBMITTAL	04-05-23	H&A
4	FINAL SUBMITTAL	09-05-23	H&A
5			
6			
7			
8			
9			
10			

TENTATIVE TRACT MAP/SP/ZC/ GPA 22-0001 & DEVELOPMENT REVIEW 22-0003

HARMON RANCH

CITY OF POWAY, CALIFORNIA

SHEET 1 OF 4

W.O. 2167-0225

R:\1713\&Pln\Tentative Map\Harmon Ranch TM Sheet 01.dwg[]Sep-05-2023:09:02

SEE SHEET 2 FOR CONTINUATION

NOTES:

1) PADS SHOWN WITH * HAVE ONE 7.5" STEP FROM GARAGE.
2) SIDE YARD SETBACKS ARE 5.0' UNLESS OTHERWISE SHOWN.

PREPARED BY:
HUNSAKER & ASSOCIATES SAN DIEGO, INC
PLANNING 9707 Waples ST.
ENGINEERING San Diego, Ca 92121
SURVEYING PH(858)558-4500 - FX(858)558-1414

TENTATIVE TRACT MAP/SP/ZC/ GPA 22-0001 & DEVELOPMENT REVIEW 22-0003

HARMON RANCH

CITY OF POWAY, CALIFORNIA

W.O. 2167-0225

R:\1713\&Pln\Tentative Map\Harmon Ranch TM Sheets 02-03.dwg[]Sep-05-2023:09:03

ATTACHMENT 5 – COPY OF PROJECT'S DRAINAGE REPORT

This is the cover sheet for Attachment 5.

If hardcopy or CD is not attached, the following information should be provided:

Title: Drainage Study for Harmon Oaks
Prepared By: Hunsaker & Associates San Diego, Inc
Date: September 2023

PRELIMINARY DRAINAGE STUDY
For
HARMON OAKS

APN'S 317-501-01-00, 317-500-02, 03,09,10,11,12,13,14
Preparation/Revision Date:

June 17, 2022/ November 30, 2022/ September 01, 2023

Prepared for:

Lennar Homes of California, Inc.

16465 Via Esprillo, Ste. 150

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(858) 618-4942

Declaration of Responsible Charge

I hereby declare that I am the engineer of work for this project, that I have exercised responsible charge over the design of the project as defined in section 6703 of the business and professions code, and that the design is consistent with current standards.

I understand that the check of project drawings and specifications by City of Poway is confined to a review only and does not relieve me, as engineer of work, of my responsibilities for project design.

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Alisa S. Vialpando 09/01/2023

Alisa S. Vialpando, R.C.E. 47945 Date
President

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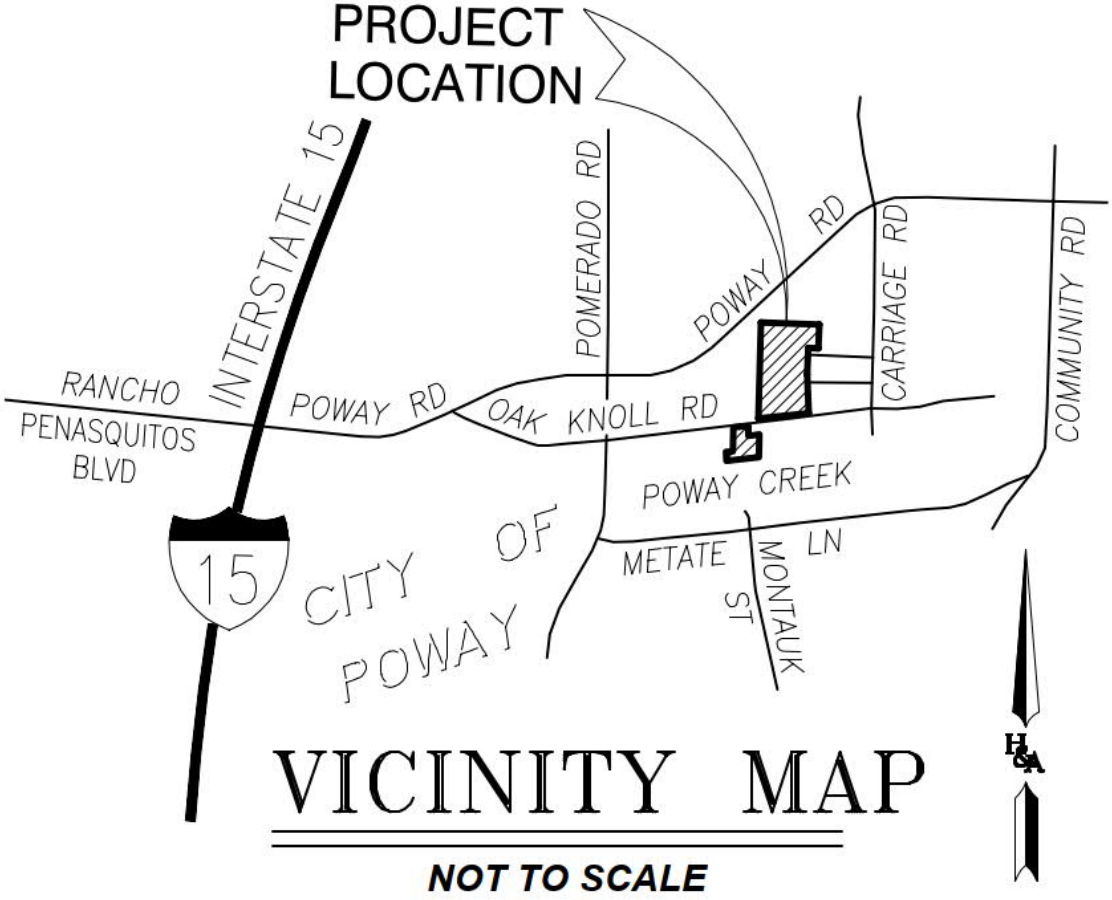
CHAPTER 1 EXECUTIVE SUMMARY

1.1 Introduction

The Harmon Oaks project is located in the City of Poway and is split by Oak Knoll Road, with a portion north of Oak Knoll Road and a smaller portion south of Oak Knoll Road. See below for vicinity map. The development proposes a single-family community with 63 residential lots within 10.77 acres. The site will also include detention underground vault, sidewalks, and parking stalls. The lots are connected by private drives which are accessible via Oak Knoll Road and Roca Grande Drive.



Scope

The scope of this report is to analyze both the existing and proposed hydrologic conditions relative to development of the site and prepare storm drain facilities based on the 100 year flow. Proposed stormwater facilities include storm drain, curb inlets, catch basins, proprietary biofiltration BMPs (curb type Filterra Units or equivalent), underground vault, outlet structure, a pump to pump the hydromodification low flows to the existing storm drain system under Oak Knoll Road, brow ditches, and energy

dissipation devices and will be calculated upon Final Engineering. The proposed proprietary biofiltration units for the site will address the water quality requirements, while the underground vault will address the 100 year peak flows, and flow control hydromodification concerns. A separate report has been prepared which details the proposed treatment and flow control features for the project. Refer to the *Stormwater Quality Management Plan (SWQMP) for Harmon Oaks* prepared by Hunsaker & Associates San Diego, Inc. (June 2022).

Summary of Existing Conditions

The existing condition hydrology map (Exhibit 1) is located in Chapter 5. A portion of the project site is currently occupied by single family building structures, driveways, construction equipment yard, and vacant area north of Oak Knoll Road. There is a vegetated channel runs in a north-south direction along the northwestern border of the site. The remainder of the project site, found south of Oak Knoll Road, is a vacant area in its northern portion, except for a building structure northeast of the southern lot, and densely vegetated area in its southern portion. The total analyzed drainage area (on-site and off-site) is 13.79 acres. The elevation-range of the studied water-shed is between 540 feet down to 438 feet. The average slope across the site from the northeast corner to the southwest corner is approximately 5.3%. The imperviousness of the analyzed watershed in its existing condition is approximately 19% (20% for the onsite and offsite area drains to the northern portion of Oak Knoll Road (Node 1 to Node 5), 63% for the offsite area southeast of the northern portion (Node 3 to Node 5), 24% for onsite area and northwest portion of Oak Knoll Road (Node 6 to Node 8), 90% for Oak Knoll Road paved area (Node 9 to Node 11), 0% for the western slopes to Node 14, 8% for the southern portion at Node 16). Please refer to AES Input Data Table in Chapter 3.

Runoff from the northern portion of the project site with the run-on from the eastern offsite development is conveyed via overland flow towards Oak Knoll Road existing inlet (Node 1 to Node 5), where it is captured and comingled with the offsite flows from the southwestern existing development and northeastern half of Oak Knoll Road (Node 3 to Node 5). Total runoff from Node 5 is routed westerly via existing 36” RCP storm drain system to Node 8 per 801-05-1076. Runoff from the southwestern sub-watershed of northern portion of the project site is conveyed via overland flow towards Oak Knoll Road existing inlet, where it is captured and comingled with the offsite flows from the northwestern half of Oak Knoll Road (Node 6 to Node 8). Existing 36” RCP storm drain system carries the total runoff from Node 8 to Node 11, where it comingles with the captured flow from the southern portion of Oak Knoll Road before continues westerly to Node 15. Run-on from the offsite northern slope is conveyed with the runoff from the northwestern portion of the site via overland flow to enters the existing 8’ X 5’ RCP box culvert through the existing headwall per 801-04-150 sheet 5 (Node 12 to Node 14). The existing 8’X5’ RCP box culvert routes the captured flows southwesterly to Node 15, where it comingles with the discharge from (Node 11) the 36” existing storm drain, and then continues southerly to discharge into Poway Creek at Node 16.

Runoff from southern portion of the site with the adjacent eastern offsite area is also conveyed via overland flow to discharge directly into Poway Creek to Node 16.

Table 1 below summarizes the 100-year existing condition peak flow at the downstream project boundary. A runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.

C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

Cp = Pervious Coefficient Runoff value (Cp=0.35 for Soil D and 0.20 for Soil A per Table 3.1)

Runoff Coefficients

C Factor	Description
0.35 Soil D 0.20 Soil A	Cp= Pervious area per SDC Section 3.1.2 and table 3.1
0.90	Impervious areas (proposed and existing)

The calculations for each weighted run-off coefficient for each sub-area as determined in accordance with Section 3.2.1 are shown in Chapter 3. AES input data tables. Supporting calculations for the data presented in Table 1 is located in Chapter 3 of this report. The corresponding hydrology map (Exhibit 1) is located in Chapter 5.

TABLE 1 - Summary of Existing Flows

Exhibit	Node Number on Exhibit	Discharge Location	Drainage Area (ac)	100-Year Peak Flow (cfs)
1	16	SW of site	13.79	26.85

Summary of Developed Conditions

PROJECT DESCRIPTION

The proposed Harmon Ranch Specific Plan and Tentative Map project site ("Project Site") is located within the southern area of City of Poway, south of Poway Road and east of Pomerado Road. This Project Site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the Poway Comprehensive Plan: General Plan which permits single-family homes on a minimum of 4,500 square foot lots and a maximum density of eight dwelling units per acre. Surrounding land uses include mixed use retail land uses and the Kumeyaay Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south and east which are also designated RS-7 and an apartment community to the west.

The current property owner is Harmon Family Trust. The majority of the site has been cleared for several years and was previously used as a construction staging yard for an SDG&E gas line project. The site includes four existing single-family residences. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic home will be retained in place within a 0.25-acre site as part of the project. The historic home site will be designated Residential – Historic Home within the Specific Plan.

Lennar Homes of California, LLC ("Applicant"), is proposing a residential neighborhood on a 11.5-acre Project Site. The Project site is comprised of approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets and 0.5 acres of public right-of-way (Oak Knoll Road). The Proposed Project would include 64 single family detached homes. The Proposed Project density (8.8 units/acre) is slightly higher than the 8.0 units/acre permitted in the existing RS-7 designation. Primary access to the Project Site is planned via existing Oak Knoll Road. Fifty-nine of the new homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road. The existing historic home has direct access via Oak Knoll Road.

Land Use Summary

Use/Land Use	Approx. Net Acres (AC)	% of Planning Area (%)	Max. Dwelling Units (DU)	Density (DU/AC)[1]
Non-Residential Land Uses				
Open Space (OS-1 & 2) (Floodway)	1.88	16.3%		
Open Space (OS-3 & 4)	0.31	2.7%		
Open Space Recreation (OSR-1 to 7)	0.99	8.6%		
Subtotal Open Space	3.18	27.6%		
Private Internal Residential Streets	1.88	16.3%		
Oak Knoll Road ROW (existing)	0.49	4.3%		
Subtotal Streets	2.37	20.6%		
Subtotal Non-Residential	5.55	48.2%		
Residential (R) Land Use				
Residential Single Family (R-SF) (Lots 1 to 64)	5.96	51.8%	64	
Subtotal Residential	5.96	51.8%	64	
TOTAL Specific Plan Area	11.51	100%	64	8.8

1- Statistics are based upon preliminary design and may vary slightly from Development Plan, Tentative Map, and/or Final Map. Refer to Chapter 7 regarding substantial conformance.

2- Pursuant to State Law, local governments cannot preclude an Accessory Dwelling Unit (ADU) or Junior Accessory Dwelling Units (JADU). An ADU and JADU is an accessory use for the purposes of counting allowable density under general plan and zoning and is therefore not counted as an additional unit. An ADU and JADU shall be permissible in accordance with the PMC or, if the locally adopted ordinance is void, the State Government Code. See Section 3.2.2.G for information regarding ADUs.

3- Open Space areas within the floodway (OS-1 and OS-2) and public street (Oak Knoll Road) and internal private streets are excluded from the density calculation. The following calculation was utilized to determine the net residential density for the project: Residential (5.96 ac) + Open Space Recreation Lots 1-7 (0.99 ac) + Open Space Lots 3 and 4 (0.31 ac) = 7.26 ac. 64 / 7.26 = 8.8.

The Applicant is proposing a Specific Plan and Tentative Map to facilitate development of a 64 single family homes. The Harmon Ranch Specific Plan will establish three land use districts within the Project Site: Residential Single Family (R-SF); Open Space (OS); and Open Space Recreation (OS-R). The Specific Plan will also provide development regulations and permitted uses for each land use district.

The Proposed project is comprised of 64 single-family homes on lots 42-feet wide and 85- to 90-feet deep, with standard two-car garages, 20-foot-deep by 20-foot-wide driveways to accommodate an additional two off-street parking spaces within the private lots and private fenced rear yards. The Proposed Project also includes 40 guest parking spaces along the private streets, approximately 1.0 acres of Open Space Recreation areas, approximately 2.2 acres of natural Open Space areas and a segment of the General Plan Community trail (approximately 1,000 feet) within the Project Site. A potential off-site trail connection to the adjacent retail area located to the north may occur in the future, subject to property owner cooperation but is not part of the proposed project. The "Overlook" area located in the south portion of the Project Site is planned to provide public access and will be privately maintained.

Discretionary actions which require Poway City Council consideration include the following:

- Environmental Impact Report (EIR)
- General Plan Amendment/Zone Change (GPA/ZC) from Residential Single-Family 7 (RS-7) to Planned Community (PC)
- Tentative Map (TM)
- Development Review (DR) Permit
- Final Map

The post-developed condition of the site will include improvements consisting of a single-family residential development including building structures, driveways, access roads, sidewalks, and landscaped areas. The site also proposes proprietary biofiltration facilities to address water quality requirements (Filterra units or alternative), underground vault, storm drains, inlets, and brow ditches sized to collect and convey site runoff through the project area.

The proposed vault will attenuate the 100 year peak flows as well as address flow control hydromodification and pollutant control for water quality. For additional discussion on the proposed water quality and hydromod features of the site, refer to the *Stormwater Quality Management Plan (SWQMP) for Harmon Oaks* (June 2022) prepared by Hunsaker & Associates San Diego, Inc.

Runoff from the northern portion of the proposed development will be routed via street gutters to the proposed on site inlets and proprietary biofiltration units to address water quality requirements, and then travels via private proposed storm drain system southwesterly to the proposed underground vault (Node 50 to Node 74). Discharge from the vault will be controlled by an outlet structure equipped with orifices and weir with varying dimensions and invert elevations to meet current hydromodification requirements and attenuate the proposed 100-year peak flows to be equal or less than existing conditions 100-year peak flow. Due to existing storm drain flow elevation, the low flow orifice can't be routed directly to the downstream storm drain. Therefore, discharge from the low flow orifice will be pumped to the proposed cleanout\ manhole downstream of the vault, where the discharge from the rest of the orifices and weir (Vault outlet structure) will be routed to before discharging into the existing 36" RCP at Oak Knoll Road (Node 8). The proposed vault within northern portion of the project has been sized to provide additional hydromodification and 100-year peak flow control and mitigate impact from this area when measured at the analyzed discharge point (Node 16-POC1).

Runoff from northeastern offsite development -that drains through the site in existing conditions- will be conveyed via proposed ditch to a proposed catch basin west of La Vista Way and then routed vis proposed storm drain to the existing 36" storm drain at Oak Knoll Road (Node 3 to Node 5). Runoff from offsite area southeast of the northern portion of the project will drain similarly to existing conditions via overland flow towards Oak Knoll Road existing inlet (Node 4 to Node 5), where it will be captured and routed via existing 36" RCP storm drain system to Node 8, where it comingles with the discharge from the proposed development and runoff from the northwestern half of Oak Knoll Road (Node 5 to Node 8). Total runoff from Node 8 will be routed westerly

via existing 36" RCP storm drain system to Node 11. Existing 36" RCP storm drain system carries the total runoff from Node 8 to Node 11. Runoff from northern area of southern portion of the project will drain towards Oak Knoll Road gutter and routed westerly to proposed proprietary biofiltration unit (filterra unit or equivalent). The proposed proprietary biofiltration unit will provide water quality pollutant control prior to discharging into the existing storm drain system at Oak Knoll Road Node 11. Total runoff from southern portion of Oak Knoll Road and northern developed area of southern portion of the project will comingle with the total captured flow at Node 11, berfore continues westerly to Node 15.

Runoff from the offsite northern slope will be captured via a brow ditch and conveyed with the runoff from the proposed graded slope northwest of the northern portion of the site via overland flow to enters the existing 8' X 5' RCP box culvert through the existing headwall per 801-04-150 sheet 5 (Node 12 to Node 14). The existing 8'X5' RCP box culvert routes the captured flows southwesterly to Node 15, where it comingles with the discharge from (Node 11) the 36" existing storm drain, and then continues southerly to discharge into Poway Creek at Node 16.

Runoff from southern area of southern portion of the site with the adjacent eastern offsite area will also conveyed via overland flow similarly to existing conditions to discharge directly into Poway Creek to Node 16.

Table 2 below summarizes the 100-year proposed condition peak flow at the downstream project boundary. A runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.

C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

The calculations for each weighted run-off coefficient for each sub-area as determined in accordance with Section 3.2.1 are shown in Chapter 3. AES input data tables. Supporting calculations for the data presented in Table 2 is located in Chapter 3 of this report. The corresponding hydrology map (Exhibit 2) is located in Chapter 5.

TABLE 2 - Summary of Proposed Flows

Exhibit	Node Number on Exhibit	Discharge Location	Drainage Area (ac)	100-Year Peak Flow (cfs) ^	100-Year Peak Flow (cfs)*
1	16	SW of site	13.79	46.65	14.21

^runoff rates before flood attenuation
*runoff rates after flood attenuation

A portion of the site, at the south western corner of the northern portion of the project and northern developed area of the southern portion of the project, is located within Zone AE (within the flood plain for Poway Creek), per the FEMA Firmette found in Chapter 6 and will require a Floodplain Development Permit.

The Proposed Drainage Map in Chapter 5 shows the developed site with its subareas and flow paths. There is only one outfall location from the proposed site, as the proposed and existing storm drain conveys the flows towards Poway Creek, similarly to existing conditions. Due to the increase in impervious area compared with the existing condition, the peak flows generated from the site will be reduced through the proposed vault. Design calculations for the vault attenuation can be found in Chapter 4.

Summary of Results

Development of *Harmon Oaks* site required a storm drain system to capture and convey the Q100 peak flows safely to the existing storm drain system at Oak Knoll Road. See Chapters 3 hydrologic models. The corresponding hydrology maps are located in Chapter 5.

Ten proprietary biofiltraton units (Filterra units or equivalent) are proposed to address water quality requirements, and one underground vault for hydromodification, and peak flow attenuation. Flows from the site are attenuated to be less than the existing flows when measured at the point of compliance southwest of the project (POC-1) to Poway Creek.

Since the proposed vault onsite will mitigate the 100 year flow to below existing conditions, there will be no negative impacts to downstream drainage developments and facilities.

Inlet calculations, brow ditches and storm drain hydraulic will be provided in final engineering.

Table 3 below summarizes the comparison between existing and proposed flow rates from the site.

TABLE 3 – Existing Condition vs. Proposed Condition

Discharge Location	Existing Node	Proposed Node	Existing Condition Area (ac)	Proposed Condition Area (ac)	Existing: 100-Year Peak Flow (cfs)	Proposed: 100-Year Peak Flow (cfs)	Q100 Flow Difference (cfs)
SW of site	16	16	13.79	13.79	26.85	14.21	-12.64

Conclusions

Development of Harmon Oaks site will not alter the drainage patterns, and the proposed improvements will decrease the flows to below existing conditions. Therefore no adverse impacts are expected.

References

San Diego County Hydrology Manual, County of San Diego Department of Public Works Flood Control Division, June 2003.

San Diego County Hydraulic Design Manual, County of San Diego Department of Public Works Flood Control Division, September 2014

Stormwater Quality Management Plan (SWQMP) for Harmon Oaks, Hunsaker & Associates San Diego, Inc., June 2022

CHAPTER 2 METHODOLOGY

Modified Rational Method Hydrologic Analysis

Computer Software Package – AES-2015

Design Storm - 100- year return interval

Land Use – Single-family Residential

Soil Type – Per the NRCS Web Soil Survey, the existing soil consists of Soil Type D for majority of the site and A for a small portion of the southern area. Group D soils have very slow rates. Consisting chiefly of clay soils with a high swelling potential, soils with a high permanent water table, soils with clay pan or clay layer at or near the surface, and shallow soils over nearly impervious materials, Group D soils have a very slow rate of water transmission. Group A. Soils have a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Runoff Coefficient - In accordance with the County of San Diego standards, runoff coefficients were based on land use and soil type San Diego County Hydrology Manual. Runoff coefficient was calculated for each subarea within the watershed based on soil type and impervious percentage using the following formula in accordance with Section 3.1.2 of San Diego County Hydrology Manual June 2003.
C= 0.90 x (% Impervious) + Cp x (1 - % Impervious)

Cp = Pervious Coefficient Runoff value (Cp=0.35 for Soil D and 0.20 for Soil A per Table 3.1)

Runoff Coefficients

	C Factor	Description
Rainfall	0.35 Soil D 0.20 Soil A	Cp= Pervious area per SDC Section 3.1.2 and table 3.1
	0.90	Impervious areas (proposed and existing)

Intensity- The rainfall intensity is determined per the San Diego County Hydrology Manual based on 6-hour precipitation amounts and calculated time of concentrations. Six-hour precipitations are taken from the San Diego County Hydrology Manual isopluvials.

Method of Analysis – The Rational Method is the most widely used hydrologic model for estimating peak runoff rates. Applied to small urban and semi-urban areas with drainage areas less than 0.5 square miles, the Rational Method relates storm rainfall intensity, a runoff coefficient, and drainage area to peak runoff rate. This relationship is expressed by the equation:

Q = CIA, where:

- Q = The peak runoff rate in cubic feet per second at the point of analysis.
- C = A runoff coefficient representing the area - averaged ratio of runoff to rainfall intensity.
- I = The time-averaged rainfall intensity in inches per hour corresponding to the time of concentration.
- A = The drainage basin area in acres.

To perform a node-link study, the total watershed area is divided into subareas which discharge at designated nodes.

The procedure for the subarea summation model is as follows:

(1) Subdivide the watershed into subareas with the initial subarea being less than 10 acres in size (generally 1 lot will do), and subsequent subareas gradually increasing in size. Assign upstream and downstream nodal numbers to each subarea to correlate calculations to the watershed map.

(2) Estimate an initial T_c by using the appropriate nomograph or overland flow velocity estimation.

(3) Using the initial T_c, determine the corresponding values of I. Then Q = CIA.

(4) Using Q, estimate the travel time between this node and the next by Manning's equation as applied to the particular channel or conduit linking the two nodes. Then, repeat the calculation for Q based on the revised intensity (which is a function of the revised time of concentration)

The nodes are joined together by links, which may be street gutter flows, drainage swales, drainage ditches, pipe flow, or various channel flows. The AES-2003 computer subarea menu is as follows:

SUBAREA HYDROLOGIC PROCESS

1. Confluence analysis at node.
2. Initial subarea analysis (including time of concentration calculation).
3. Pipe flow travel time (computer estimated).
4. Pipe flow travel time (user specified).
5. Trapezoidal channel travel time.
6. Street flow analysis through subarea.
7. User - specified information at node.
8. Addition of subarea runoff to main line.
9. V-gutter flow through area.
10. Copy main stream data to memory bank
11. Confluence main stream data with a memory bank
12. Clear a memory bank

At the confluence point of two or more basins, the following procedure is used to combine peak flow rates to account for differences in the basin's times of concentration. This adjustment is based on the assumption that each basin's hydrographs are triangular in shape.

(1). If the collection streams have the same times of concentration, then the Q values are directly summed,

$Q_p = Q_a + Q_b$; $T_p = T_a = T_b$

(2). If the collection streams have different times of concentration, the smaller of the tributary Q values may be adjusted as follows:

(i). The most frequent case is where the collection stream with the longer time of concentration has the larger Q. The smaller Q value is adjusted by the ratio of rainfall intensities.

$Q_p = Q_a + Q_b \ (I_a/I_b)$; $T_p = T_a$

(ii). In some cases, the collection stream with the shorter time of concentration has the larger Q. Then the smaller Q is adjusted by a ratio of the T values.

$Q_p = Q_b + Q_a \ (T_b/T_a)$; $T_p = T_b$

Underground storm drains are analyzed in a similar way. Flow data obtained from the surface model for inlets and collection points are input into the nodes representing those structures. Design grades and lengths are used to compute the capacity of the storm drains and to model the downstream travel times.

Detention

In order to provide adequate peak flow attenuation, increases in peak flow rates at the outfall location for this site has been mitigated using the design of the proposed vault. Mitigation within the vault has been modeled using SWMM 5.01.

RickRatHydro has been used to generate inflow hydrograph for the vault, based on area, time of concentration, P6 value, runoff coefficient, and peak flow rate for the drainage area (from hydrology analysis).

The inflow hydrograph was then imported into SWMM model as an inflow to the storage unit (representing the vault volume) and was connected to the outfall point by using an outlet link (represent the outlet structure). The vault Stage-Storage curve and Stage-Discharge curve were generated by Excel. Generating Stage-Storage curve is relatively simple for the vertical-sided vault, where volume increases linearly with the stage value. For the Stage-Discharge curve, both weir equation (for partially submerged condition) and orifice flow equation (for fully submerged condition) were adopted to evaluate the riser discharge based on the water depth in front of the orifice and emergency weir. These generated curves were modeled as tabular curves for the storage unit and the outlet link in SWMM to calculate the water surface elevation and outfall flow rate.

ATTACHMENT 6 – COPY OF PROJECT'S GEOTECHNICAL REPORT

This is the cover sheet for Attachment 6.

If hardcopy or CD is not attached, the following information should be provided:

Title: Geotechnical Investigation **OAK KNOLL, POWAY, CA**
Prepared By: Geocon
Date: June 15, 2022

GEOTECHNICAL INVESTIGATION

OAK KNOLL
POWAY, CALIFORNIA

GEOCON
INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

LENNAR
SAN DIEGO, CALIFORNIA

JUNE 15, 2022
PROJECT NO. G2746-32-02

Project No. G2746-32-02
June 15, 2022

Lennar
16465 Via Esprillo, Suite 150
San Diego, California 92127

Attention: Mr. David Shepherd

Subject: GEOTECHNICAL INVESTIGATION
OAK KNOLL
POWAY, CALIFORNIA

Dear Mr. Shepherd:

In accordance with your request, we have performed a geotechnical investigation for the Oak Knoll project located in Poway, California. The accompanying report presents the findings of our study, and conclusions and recommendations pertaining to the geotechnical aspects of developing the project as presently proposed. Based on the results of this study, it is our opinion that the subject property can be developed as planned provided that the recommendations of this report are followed.

Should you have any questions regarding this report, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON INCORPORATED

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RCE 63773

David B. Evans
CEG 1860

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(e-mail) Addressee

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GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of a geotechnical investigation for the proposed Oak Knoll project located in Poway, California (see Vicinity Map, Figure 1). The purpose of our study was to evaluate the soil and geologic conditions on the site and provide geotechnical recommendations pertaining to development of the property as proposed.

The scope of this investigation included a review of the Tentative Map for Oak Knoll, City of Poway, California, Sheets 1 through 3 of 3, prepared by Hunsaker and Associates San Diego, Inc, undated. We also performed a field investigation, conducted laboratory testing to characterize the physical properties of the soils encountered, performed engineering analyses and prepared this report.

We performed an initial field investigation on May 28, 2021, which consisted of drilling 10 hydraulic rotary air percussion borings (generically referenced herein as air-track borings) to evaluate rock rippability in the northeastern portion of the site. On May 18, 2022, we excavated 11 exploratory trenches to evaluate the thickness and condition of surficial deposits requiring remedial grading. We also performed one infiltration test in the area of the proposed stormwater vault to assess the saturated hydraulic conductivity of the underlying soil. Logs of the exploratory trenches, air-track borings, and other details of the field investigation are presented in Appendix A. The locations of the exploratory trenches and borings are presented on the Geologic Map, Figure 2 (map pocket). The infiltration test results are presented in Appendix C.

We performed laboratory testing on selected soil samples obtained during the field investigation to evaluate pertinent physical properties of the soil types encountered. The laboratory information was used in engineering analyses to develop recommendations for geotechnical aspects of site development. Details of the laboratory tests and a summary of the test results are presented in Appendix B.

The recommendations presented herein are based on analysis of the data and observations obtained during field investigations, and our experience with similar soil and geologic conditions. Additional references reviewed to prepare this report are provided in the *List of References*.

2. SITE AND PROJECT DESCRIPTION

The overall site consists of two properties located on either side of Oak Knoll Road, south of Poway Road, east of Pomerado Road, and west of Carriage Road. The northern portion of the site (north of Oak Noll Road) consists of approximately 10-acres of essentially undeveloped land, except for a

single-family residence and several associated structures along the southwestern property boundary. The southern portion (south of the Oak Knoll Road) consists of two parcels of land. The western parcel is undeveloped, and the eastern parcel is occupied by a single-family residence.

Topographically, the southern property is relatively flat with an elevation of approximately 446 feet Mean Sea Level (MSL) to 448 feet MSL and the northern property is level to moderately sloping with elevations ranging from approximately 449 feet MSL to 495 feet MSL. Poway Creek is located along the southern boundary of the southern parcels. A flood elevation of 447 feet MSL is shown on the Tentative Map. A tributary to Poway Creek exists along the northwest property boundary of the northern parcel. The tributary has been channelized and outlets into a storm drain system beneath Oak Knoll Road, constructed as part of the existing residential development to the west. Surface drainage across the northern property is primarily to the south and southwest towards Oak Knoll Road. The southern property drains to the south and southwest into Poway Creek.

Vegetation within the development footprint consists of natural low-lying grasses and some isolated small trees. A large portion of the northern property has been cleared, fenced, and covered with gravel to support an equipment storage yard for a San Diego Gas and Electric subcontractor. Heavy vegetation consisting of large trees and shrubs exist along the southern margin of the south parcels.

Based on review of the Tentative Map, the properties will be developed to create 64 single-family residences, including 60-lots on the northern property and 4-lots on the southern property. The northern development includes a loop road off of Oak Knoll Road that also connects to Roca Grande Drive to the northeast. Associated storm water BMP's, underground utilities, and retaining walls are also planned.

Grading will consist of maximum cut and fill depths of approximately 16 feet and 4 feet, respectively, not considering remedial grading. Cut and fill slopes with maximum heights of approximately 30 feet and 4 feet, respectively, are planned and designed at an inclination of 2:1 (horizontal:vertical) or flatter. Several retaining walls are shown on both properties that range from approximately 1-foot to 6-feet in height. A rear-yard retaining wall is shown along the south development boundary of the southern property to raise building pad elevations above the flood elevation of 447 feet (MSL).

The locations and descriptions of the site and proposed development above are based on our recent and previous field study and review of the project Tentative Map. If development plans differ significantly from those described herein, Geocon Incorporated should be contacted for review and possible revisions to this report.

3. SOIL AND GEOLOGIC CONDITIONS

Four surficial soil types and two geologic formations were encountered during the field investigation. The surficial deposits consist of undocumented fill, alluvium, colluvium, and terrace deposits. The formational units includes the Eocene-age Friars Formation and Cretaceous-age granodiorite (granitic rock). Each of the surficial soils and geologic units encountered are described in order of increasing age. The approximate extent of the surficial deposits and formational materials are shown on the Geologic Map, Figure 2.

3.1 Undocumented Fill (Qudf)

Undocumented fill embankments cover the majority of both properties. The fill is approximately 6-feet thick along the southern boundary of Lots 61 through 64 (adjacent to Poway Creek). However, within the development footprint, these materials generally range from 1 to 2-feet-thick with the exception of the west margin of the northern parcel where the fill may be up to 5-feet-thick. The undocumented fill is unsuitable for support of additional fill or structural loading in its present condition and will require complete removal and compaction within areas of planned development.

3.2 Alluvium (Qal)

Alluvial deposits were encountered in Trench T-1 beneath the undocumented fill. Alluvium may also extend into the proposed roadway area northwest of Lots 23, 49 and 50. These deposits generally consist of very loose, wet, sandy gravel with silt and clay. The alluvium is compressible and will require removal and compaction if encountered in areas of planned development.

3.3 Colluvium (Qc)

Colluvial deposits were encountered in Trenches T-10 and T-11 overlying the granitic rock or terrace deposits. These deposits were up to 10-feet-thick and consist of dry to damp silty/clayey sand with pinhole porosity. The colluvium is considered hydro-compressible and will require removal and compaction.

3.4 Terrace Deposits (Qt)

Terrace deposits were encountered across the majority of both properties as encountered in Trenches T-2 through T-10. These deposits overly granitic rock and Friars Formation and where encountered, were up to 12-feet-thick. The terrace deposits generally consist of damp to moist, medium stiff to very stiff sandy clay and moist to wet, medium dense clayey gravel with cobble. In general, the terrace deposits are currently considered unsuitable for additional fill or structural loading and will require removal and compaction. However, it is possible that a portion of these deposits can be left in-place upon further testing.

3.5 Friars Formation (Tf)

The Eocene-age Friars Formation was encountered beneath the surficial soils across both properties and overlies the granitic rock. This formation typically consists of dense sandstones, hard claystones, and siltstones. The Friars Formation is suitable for support of additional fill or structural loads.

3.6 Granodiorite (Kgd)

Cretaceous-age Granodiorite (granitic rock) underlies the sedimentary deposits and is exposed in the north and northeast portion of the northern property. Based on observations made during the field exploration, site reconnaissance, and rock rippability study, the granitic rock exhibits a variable weathering pattern ranging from highly weathered, decomposed rock to outcrops of slightly weathered, extremely strong rock that will require blasting to excavate. The granitic unit generally exhibits adequate bearing and slope stability characteristics. Cut slopes excavated within the granitic rock should be stable to the proposed heights if free of adversely oriented joints or fractures.

The soils derived from excavations within the decomposed granitic rock are anticipated to consist of low-expansive, silty, medium- to coarse-grained sands and should provide suitable foundation support in either a natural or properly compacted condition. Excavations within the granitic rock may generate boulders and oversize materials (rocks ≥12 inches in nominal dimension) that will require special handling and placement as recommended hereinafter.

4. RIPPABILITY AND ROCK CONSIDERATIONS

We performed a rock rippability evaluation consisting of drilling 10 air-track borings in proposed cut areas. We performed the study with an Ingersoll-Rand ECM 490 equipped with a 4-inch-diameter bit. Drill penetration rates were used to evaluate rock rippability and to estimate the depth at which difficult excavation will occur. Rock rippability is a function of natural weathering processes that can vary vertically and horizontally over short distances depending on jointing, fracturing, and/or mineralogic discontinuities within the bedrock.

A frequently used guideline to equate rock rippability to drill penetration rate is that a penetration rate of approximately 0 to 20 seconds per foot (spf) generally indicates rippable material, 20 to 30 spf indicates marginally to non-rippable material, and greater than 30 spf indicates non-rippable rock. These general guidelines are typically based on drill rates using a rotary percussion drill rig similar to an Ingersoll Rand ECM 360 with a 3½-inch drill bit. The penetration rates (recorded in seconds per foot) for the air track boring are presented in Appendix A, Figures A-12 through A-21.

The rippability designations discussed above are based on the use of a D9 or equivalent bulldozer equipped with a single shank ripper. Rippable materials can be excavated with moderate to heavy

effort. Marginally rippable includes very heavy ripping and isolated zones of probable blasting. Non-rippable materials will require blasting to excavate the rock.

The estimated thickness of rippable material for each air track boring is presented on Figure 2 (map pocket). Perspective contractors should use their own judgment to identify the penetration rate boundary between productive and non-productive ripping and, rippable and non-rippable rock. We used a threshold of 20 spf to indicate the thickness of rippable material next to each boring on the geologic map.

Based on an air track penetration rate of 20 spf, it is expected that the rippability characteristics will vary. The air-track borings indicate that, where fresh rock is not exposed near the surface (e.g., boulders), the granitic rock is characterized by a rippable weathered mantle varying from approximately 4 to 20-feet-thick. Excavations greater than these depths will encounter difficult ripping conditions and may requiring blasting techniques and can be expected to generate oversized rock (rocks ≥12 inches in dimension), which will necessitate typical hard rock handling, sizing, and placement procedures during grading operations. Proposed cuts in the weathered mantle may also generate oversized fragments.

Estimates of the anticipated volume of hard rock materials generated from proposed excavations should be evaluated based on the information from each boring and drill penetration rate criteria acceptable to the contractor. Roadway/utility corridors and lot undercutting criteria should also be considered when calculating the volume of hard rock. In addition, a volumetric evaluation should be performed to determine if there are available fill placement areas considering the rock hold down criteria.

Earthwork construction should be carefully planned to efficiently utilize available rock placement areas. Oversize materials should be placed in accordance with rock placement procedures presented in Appendix D of this report and governing jurisdictions.

5. GROUNDWATER/SEEPAGE

Groundwater/seepage was encountered in the exploratory trenches (T-1 through T-3, T-5 through T-8, and T-11) adjacent to Poway Creek and other areas of the site at depths ranging between 6 feet and 11 feet below the ground surface. It appears that the groundwater is perched above the alluvium/colluvium/terrace deposit contact with the underlying Friars Formation or granitic rock. We encountered seepage in exploratory trenches T-9 and T-10 at depths ranging from 8 feet to 11 feet below the ground surface. We performed the field investigation in May 2022 during a regional drought. The seepage encountered in the trenches was likely associated with previous rain and irrigation.

Groundwater levels in drainage areas can be expected to fluctuate seasonally and may affect grading. In this regard, grading may encounter wet to saturated soils conditions causing excavation and compaction difficulty, particularly if construction is planned during the rainy season. Remedial grading of surficial deposits near the tributary (Trench T-11) or Poway Creek, if any, will encounter shallow groundwater and wet to saturated soils requiring specialized excavation equipment, possible dewatering and drying of the material to facilitate proper compaction.

6. GEOLOGIC HAZARDS

6.1 Ground Rupture

USGS (2016) shows that there are no mapped Quaternary faults crossing or trending toward the property. In addition, the site is not located within a currently established Alquist-Priolo Earthquake Fault Zone.

The nearest known active faults are the Newport-Inglewood/Rose Canyon Fault Zone, located approximately 15 miles west of the subject site. Based on this study, it is our opinion that the risk associated with ground rupture hazard is considered low.

6.2 Seismicity

The San Diego County and Southern California region is seismically active. Considerations important in seismic design include the frequency and duration of motion and the soil conditions underlying the site. Seismic design of structures should be performed in accordance with the California Building Code (CBC) guidelines currently adopted by the local agency. The risk associated with strong ground shaking due to earthquakes at the site is no greater than that for the region.

6.3 Liquefaction

Liquefaction typically occurs when a site is located in a zone with seismic activity, onsite soils are cohesionless, groundwater is encountered within 50 feet of the surface, and soil densities are less than about 70 percent of the maximum dry densities. If all four criteria are met, a seismic event could result in a rapid increase in pore water pressure from the earthquake-generated ground accelerations. The potential for liquefaction at the site is considered to be negligible due to the dense formational material encountered and remedial grading.

6.4 Tsunamis and Seiches

The risk associated with tsunamis and seiches hazard at the project is low due to the site elevation and the absence of an upstream body of water.

6.5 Landslides

We did not encountered landslides within the site or mapped any landslides within the immediate areas influencing the project. In our opinion, the risk associated with landslide hazard is low.

6.6 Flooding

The County of San Diego Multi-Jurisdictional Hazard Mitigation Plan, dated October 2017, indicates that the southern property (Lots 61 through 64) is located within a 500-year floodplain.

A review of the Tentative Map indicates that proposed grades for the southern property will be raised above the 500-year floodplain elevation. Therefore, the risk associated with inundation by flooding is considered low due to the proposed grading.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 General

7.1.1 No soil or geologic conditions were encountered during this study that would preclude development of the property as presently proposed provided the recommendations of this report are followed.

7.1.2 Undocumented fill, alluvium, colluvium, and terrace deposits are not suitable for the support of fill or structural loading in their present condition and will require removal and compaction in areas of planned development. The suitability of portions of the terrace deposits to be left in place may be evaluated during grading.

7.1.3 Remedial grading along Oak Knoll Road and the existing subdivisions east and west of the northern property will likely be impacted by the proximity of proposed development to existing improvements. These areas will require evaluation on a case-by-case basis and additional recommendations may be necessary where the limits of remedial grading are constrained. Slot cutting may be necessary along the west boundary and oak knoll road where remedial grading will be performed adjacent to the existing wall and roadway.

7.1.4 Hard rock is present within proposed cut area along the northeast property boundary and will require special consideration during site development. Excavations within the granitic rock that extend below the weathered mantle or where fresh core stones are exposed at grade will likely require blasting to facilitate the excavations. We anticipate that excavations performed during grading operations will generate oversize materials (rock fragments >12 inches) that will require special handling and fill placement procedures. Oversize materials should be placed in accordance with grading recommendations presented in Appendix D.

7.1.5 We encountered groundwater/seepage and perched water conditions during the field investigation. Dependent upon seasonal conditions at the time of grading, remedial grading of surficial deposits along the natural drainages may encounter wet to saturated materials and groundwater resulting in possible excavation and fill placement difficulties. Saturated soil conditions and shallow groundwater should be anticipated. Dewatering and/or use of specialized equipment may be required to excavate the surficial deposits. Overly wet soils may require spreading and drying and/or mixing with drier materials to reduce the moisture content so that compaction can be achieved.

7.1.6 An earthwork analysis should be performed to determine if there is an adequate volume of fill area available to accommodate the anticipated volume of blasted/oversize materials. This

study should consider the proposed grading, rippability information contained in this report, rock placement requirements and include proposed undercutting (pads and streets). Rock crushing may be necessary if the amount of oversize rock generated exceeds the available fill volume based on the project rock placement specifications.

7.1.7 An engineering geologist should observe cut slopes during grading to check that the soil and geologic conditions do not differ significantly from those anticipated. Scaling of loose rocks to remain in-place above planned cut slopes may be necessary.

7.1.8 Grading along the western limits of the north property (Lots 51 through 60) is planned next to an existing retaining wall. If during remedial grading the drainage measures for this wall are found to consist of weepholes along the base of the wall, a subdrain system should be constructed in front of the weepholes to maintain wall drainage. This condition may necessitate an easement. The subdrain, if needed, should outlet into the storm drain system to the south. The subdrain should consist of a 4-inch diameter perforated Schedule 40 PVC pipe surrounded by at least 1 cubic foot of ¾-inch crushed rock and wrapped in filter fabric (Mirafi 140N, or equivalent).

7.1.9 Subsurface conditions observed may be extrapolated to reflect general soil/geologic conditions; however, some variations in subsurface conditions between trench locations should be anticipated.

7.2 Excavation and Soil Characteristics

7.2.1 The soils encountered in the field investigation are considered to be both “non-expansive (expansion index [EI] less than 20) and “expansive” (expansion index [EI] of 20 or more) as defined by 2019 California Building Code (CBC) Section 1803.5.3. Table 7.2 presents soil classifications based on the expansion index. The soil materials observed on site are anticipated to have a “very low” to “low” expansion potential (expansion index of 50 or less).

TABLE 7.2
EXPANSION CLASSIFICATION BASED ON EXPANSION INDEX

Expansion Index (EI)	ASTM 4829 Expansion Classification	2019 CBC Expansion Classification
0 – 20	Very Low	Non-Expansive
21 – 50	Low	Expansive
51 – 90	Medium	
91 – 130	High	
Greater Than 130	Very High	

7.2.2 Excavation of the surficial deposits should be possible with light to moderate effort using conventional heavy-duty equipment. Excavating within the granitic rock will generally vary in difficulty with the depth of excavation depending on the degree of weathering. It is anticipated that the majority of the proposed excavations will encounter moderate to heavy ripping with conventional heavy-duty equipment. Blasting will be required where excavations extend beyond the weathered granitic rock mantle and where unweathered boulders or "core" stones are encountered in proposed granitic rock cut areas. Oversize rock (material >12 inches) should be placed in accordance with *Recommended Grading Specifications* (Appendix D) and the requirements of the governing agency. Oversize rock may require breakage to acceptable sizes or exportation from the property. Placement of oversize rock within the area of proposed underground utilities should not be permitted.

7.3 Corrosion

7.3.1 The laboratory test results indicate that the near-surface on-site materials at the locations tested possess *Not Applicable* sulfate severity and *S0* exposure to concrete structures as defined by 2019 CBC Section 1904 and ACI 318-14 Chapter 19. Table 7.3 presents a summary of concrete requirements set forth by 2019 CBC Section 1904 and ACI 318. ACI guidelines should be followed when determining the type of concrete to be used. The presence of water-soluble sulfates is not a visually discernible characteristic; therefore, other soil samples from the site could yield different concentrations. Additionally, over time landscaping activities (i.e., addition of fertilizers and other soil nutrients) may affect the concentration.

TABLE 7.3
REQUIREMENTS FOR CONCRETE EXPOSED TO SULFATE-CONTAINING SOLUTIONS

Exposure Class		Water-Soluble Sulfate (SO_4) Percent by Weight	Cement Type (ASTM C 150)	Maximum Water to Cement Ratio by Weight[1]	Minimum Compressive Strength (psi)
S0		SO_4<0.10	No Type Restriction	n/a	2,500
S1		0.10≤SO_4<0.20	II	0.50	4,000
S2		0.20≤SO_4≤2.00	V	0.45	4,500
S3	Option 1	SO_4>2.00	V+Pozzolan or Slag	0.45	4,500
	Option 2		V	0.40	5,000

[1] Maximum water to cement ratio limits do not apply to lightweight concrete

7.3.2 Geocon Incorporated does not practice in the field of corrosion engineering; therefore, further evaluation by a corrosion engineer may be needed to incorporate the necessary

precautions to avoid premature corrosion of underground pipes and buried metal in direct contact with the soils.

7.4 Slope Stability - General

7.4.1 A slope stability analysis for the proposed 30-foot high cut slope was performed utilizing average drained direct shear strength parameters from the laboratory test results and our experience with similar materials. These analyses indicate that the proposed 2:1 cut slopes, constructed of on-site materials, should have calculated factors of safety of at least 1.5 under static conditions for both deep-seated failure and shallow sloughing conditions to heights of at least 30 feet. Generalized slope stability calculations for both deep-seated and surficial slope stability are presented on Figures 3 and 4.

7.4.2 Although rare, the most common mode of instability for rock slopes are shallow wedge failures from intersecting fault planes or clay filled joints/fractures dipping out of slope. In this regard, the structural measurements obtained during our studies did not reveal such conditions. It is recommended, however, that all slope excavations proposed on the site be observed during grading by an engineering geologist to confirm that geologic conditions do not differ significantly from those anticipated. In the event that adverse conditions are observed, stabilization recommendations can be provided.

7.4.3 Fill slopes should be compacted by backrolling with a loaded sheepsfoot roller at vertical intervals not to exceed 4 feet and should be track-walked at the completion of each slope such that the fill soils are uniformly compacted to at least 90 percent relative compaction to the face of the finished sloped. Alternatively, the fill slope may be over-built at least 3 feet and cut back to yield a properly compacted slope face.

7.4.4 Where fill slopes and fill-over-cut slopes are planned, a 15-foot-wide, 2-foot-deep, undrained keyway should be constructed prior to placing compacted fill. The keyway should be constructed with a minimum 5 percent inclination away from the toe of slope.

7.4.5 All slopes should be landscaped with drought-tolerant vegetation, having variable root depths and requiring minimal landscape irrigation. In addition, all slopes should be drained and properly maintained to reduce erosion.

7.5 Grading

7.5.1 All grading should be performed in accordance with the *Recommended Grading Specifications* contained in Appendix D. Where the recommendations of Appendix D conflict with this report, the recommendations of this report should take precedence.

7.5.2 Prior to commencing grading, a preconstruction conference should be held at the site with the owner or developer, grading contractor, civil engineer, and geotechnical engineer in attendance. Special soil handling and the grading plans can be discussed at that time.

7.5.3 Grading should be performed in conjunction with the observation and compaction testing services of Geocon Incorporated.

7.5.4 Site preparation should begin with the removal of existing structures, improvements, deleterious material and vegetation in areas of planned development. The depth of removal should be such that material exposed in cut areas or soils to be used as fill is relatively free of organic matter. Material generated during stripping and/or site demolition should be exported from the site.

7.5.5 All potentially compressible surficial soils (undocumented fill, alluvium, colluvium, and terrace deposits) within areas of planned grading should be removed to formational materials and properly compacted prior to placing additional fill and/or structural loads. The suitability of leaving portions of the terrace deposits in-place should be evaluated during grading.

7.5.6 Where not restricted by property boundaries, protected open space or exiting improvements, removal of compressible surficial soils should extend beyond structural areas a horizontal distance equal to the depth of the removal (see Figure 5 for general information). This condition occurs at the south of Lots 61 through 64. The actual extent of unsuitable soil removals will be determined in the field during grading by the geotechnical engineer and/or engineering geologist.

7.5.7 We expect groundwater/perched water conditions will be encountered in removal areas performed at or near Poway Creek and the other areas noted on the trench logs. Wet to saturated soil and perched water may also be encountered in the surficial deposits located near the natural drainages, especially, if grading is performed during the rainy season. Remedial grading of surficial deposits in these areas will likely result in possible excavation and fill placement difficulties. Dewatering and/or use of specialized equipment may be

required to excavate the alluvium, colluvium, and terrace deposits. Overly wet materials will require spreading and drying and/or mixing with drier materials to reduce the moisture content so that compaction can be achieved.

7.5.8 If complete removal of compressible material cannot be performed at or near the creek or other areas of the site due to groundwater conditions, alternative measures such as surcharge loading with settlement monitoring may be required. Geocon Incorporated will provide alternate recommendations, if needed, based on conditions encountered during grading.

7.5.9 After removal of unsuitable material as recommended above, the base of excavations to receive fill (where practical) should be scarified approximately 12 inches, moisture conditioned, and compacted.

7.5.10 Grading should be conducted so that high expansive soils (EI >90) are placed in the deeper fill areas at least three feet below proposed finish grade elevations and at least 15 feet from the face of fill slopes. Where practical, the upper three feet of graded areas (cut or fill) should consist of properly compacted very low to low (EI $\leq$50) expansive granular soils. Medium expansive soils (EI $\leq$90) may also be used to achieve design grades.

7.5.11 Capping material refers to select material placed within three feet from building pad grade and parkway/roadway grade. This material should consist of soil fill with an approximate maximum particle dimension of 6 inches with a minimum of 40 percent soil passing the ¾-inch sieve and should have at least 20 percent of the soil passing the No. 4 screen. Based on subsurface information presented in Appendix A, most capping material generally can be obtained from the granitic rock and colluvium. Soils with an expansion potential (EI) of greater than 90 are not suitable for capping and should be placed in the deeper fill areas or at least three feet below design grade across the site and 15 feet from face of slopes. The grading contractor should take necessary steps to manage the available soils to cap the project.

7.5.12 Consideration may also be given to over-excavate (mine) the weathered portions of the granitic rock to generate additional capping material and to provide additional areas for disposal of oversize rock material, if needed.

7.5.13 The site should be brought to final subgrade elevations with structural fill compacted in layers. In general, soils native to the site are suitable for re-use as fill if free from vegetation, debris and other deleterious material. Layers of fill should be no thicker than will allow for adequate bonding and compaction. All fill, including backfill and scarified ground surfaces,

should be compacted to at least 90 percent of laboratory maximum dry density at or above optimum moisture content, as determined in accordance with ASTM D1557. Fill materials below optimum moisture content will require additional moisture conditioning prior to placing additional fill.

7.5.14 Recommendations for the handling and disposal of oversized rock in fill areas are presented on Figure 6. In general, structural fill placed and compacted at the site should consist of material that can be classified into four zones:

Zone A: Material placed within 3 feet from building pad grade and, parkways and street grade should consist of soil fill with an approximate maximum particle dimension of 6 inches with a minimum of 40 percent of the soil passing the ¾-inch sieve and should have at least 20 percent of the soil passing the No. 4 sieve.

Zone B: Soil fill with rock up to 1 foot in maximum dimension. See Figure 6 for minimum thickness of zone.

Zone C: Rock fill or soil-rock fill generally consisting of 2 foot minus rock material with occasional rock up to 4 foot in maximum dimension. Alternatively, rock 2 to 4 feet in maximum dimension can be placed in window rows spaced a minimum of 12 feet. The voids around and beneath the rock should be filled with soil possessing a sand equivalent of at least 30. Zone C should terminate at least 2 feet below lowest utility.

Zone D: Soil fill with rock up to 1 foot in maximum dimension. See Figure 6 for minimum thickness of zone.

7.5.15 Blasting of rock material should be performed to maximize breakage to 2-foot minus material. Although not anticipated "rock fill" placement should generally be limited to 2-foot-thick horizontal layers and compacted using rock trucks and bulldozers. Significant volumes of water will be required during rock fill placement.

7.5.16 Based on the Tentative Map, grading will result in fill to formation transitions across several building pads. A transition condition is defined where formation is located within three feet of finish pad grade. To reduce the potential for differential settlement, the formation portion of the transition should be over-excavated (undercut) at least three feet below proposed finish grade and replaced with properly compacted very low to low expansive fill soil. As a minimum, the building pads should be provided with medium expansive soil (EI $\underline{<}$90). Overexcavations should be cut at a gradient toward the deepest fill area or streets to provide drainage for moisture migration along the contact between the formation and compacted fill.

7.5.17 Cut pads exposing granitic rock should be undercut at least three feet and replaced with properly compacted very low to low expansive soil to facilitate excavation of foundations and shallow utilities. As a minimum, fill should consist of medium expansive soil (EI $\leq$90).

7.5.18 Where the streets are located in cut areas composed of granitic rock, roadways should be undercut to a depth of at least 2 feet below the lowest utility.

7.5.19 In order to maintain safety and the stability of adjacent improvements, it is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with the applicable OSHA rules and regulations.

7.5.20 Imported materials (if required), should consist of granular very low to low expansive soils (EI $\leq$50) and, should be free of oversize rock (greater than 6 inches) and construction debris Prior to importing the material, samples from proposed borrow areas should be obtained and subjected to laboratory testing to determine if the material conforms to the recommended criteria. The grading contractor should allow at least four days for completion of the laboratory testing and schedule grading accordingly.

7.6 Seismic Design Criteria

7.6.1 Table 7.6.1 summarizes site-specific design criteria obtained from the 2019 California Building Code (CBC; Based on the 2018 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. We used the computer program *U.S. Seismic Design Maps*, provided by the Structural Engineers Association (SEA) to calculate the seismic design parameters. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2019 CBC and Table 20.3-1 of ASCE 7-16. The values presented herein are for the risk-targeted maximum considered earthquake (MCE_R). Sites designated as Site Class D, E and F may require additional analyses if requested by the project structural engineer and client.

TABLE 7.6.1
2019 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2019 CBC Reference
Site Class	C	Section 1613.2.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	0.798g	Figure 1613.2.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.295g	Figure 1613.2.1(2)
Site Coefficient, F_A	1.2	Table 1613.2.3(1)
Site Coefficient, F_V	1.5*	Table 1613.2.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	0.958g	Section 1613.2.3 (Eqn 16-36)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	0.442g*	Section 1613.2.3 (Eqn 16-37)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	0.639g	Section 1613.2.4 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.295g*	Section 1613.2.4 (Eqn 16-39)

***** Using the code-based values presented in this table, in lieu of a performing a ground motion hazard analysis, requires the exceptions outlined in ASCE 7-16 Section 11.4.8 be followed by the project structural engineer. Per Section 11.4.8 of ASCE/SEI 7-16, a ground motion hazard analysis should be performed for projects for Site Class "E" sites with Ss greater than or equal to 1.0g and for Site Class "D" and "E" sites with S1 greater than 0.2g. Section 11.4.8 also provides exceptions which indicates that the ground motion hazard analysis may be waived provided the exceptions are followed.

7.6.2 Table 7.6.2 presents the mapped maximum considered geometric mean (MCE_G) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16.

TABLE 7.6.2
ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.342g	Figure 22-7
Site Coefficient, F_{PGA}	1.2	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.41g	Section 11.8.3 (Eqn 11.8-1)

7.6.3 Conformance to the criteria in Tables 7.6.1 and 7.6.2 for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will

not occur in the event of a large earthquake. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

7.6.4 The project structural engineer and architect should evaluate the appropriate Risk Category and Seismic Design Category for the planned structures. The values presented herein assume a Risk Category of II and resulting in a Seismic Design Category D. Table 7.6.3 presents a summary of the risk categories in accordance with ASCE 7-16.

TABLE 7.6.3
ASCE 7-16 RISK CATEGORIES

Risk Category	Building Use	Examples
I	Low risk to Human Life at Failure	Barn, Storage Shelter
II	Nominal Risk to Human Life at Failure (Buildings Not Designated as I, III or IV)	Residential, Commercial and Industrial Buildings
III	Substantial Risk to Human Life at Failure	Theaters, Lecture Halls, Dining Halls, Schools, Prisons, Small Healthcare Facilities, Infrastructure Plants, Storage for Explosives/Toxins
IV	Essential Facilities	Hazardous Material Facilities, Hospitals, Fire and Rescue, Emergency Shelters, Police Stations, Power Stations, Aviation Control Facilities, National Defense, Water Storage

7.7 Foundation and Concrete Slabs-On-Grade Recommendations

7.7.1 The foundation recommendations herein are for proposed one- to three-story residential structures. The foundation recommendations have been separated into three categories based on either the maximum and differential fill thickness or Expansion Index. The foundation category criteria are presented in Table 7.7.1.

TABLE 7.7.1
FOUNDATION CATEGORY CRITERIA

Foundation Category	Maximum Fill Thickness, T (Feet)	Differential Fill Thickness, D (Feet)	Expansion Index (EI)
I	T<20	--	EI≤50
II	20≤T<50	10≤D<20	50<EI≤90
III	T≥50	D≥20	90<EI≤130

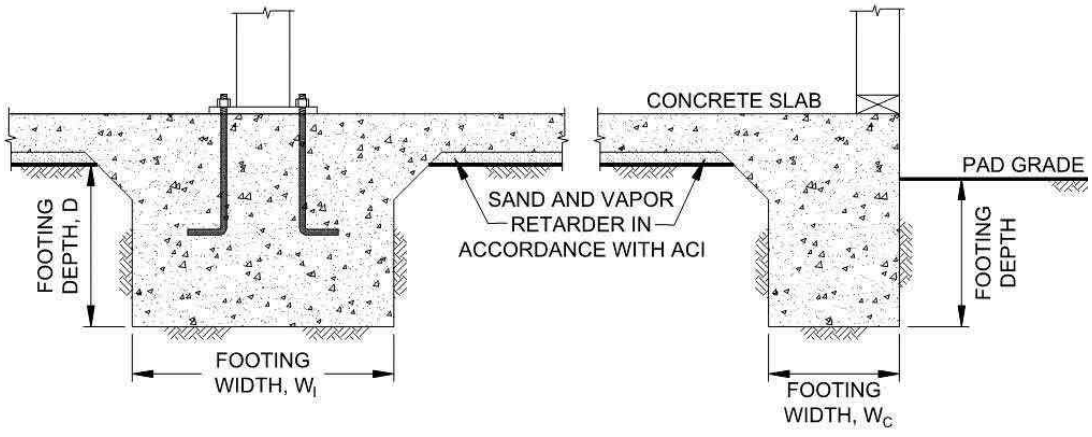
7.7.2 We will provide final foundation categories for each building or lot after finish pad grades have been achieved, the underlying fill-bedrock geometry is evaluated and we perform laboratory testing of the subgrade soil.

7.7.3 Table 7.7.2 presents minimum foundation and interior concrete slab design criteria for conventional foundation systems.

TABLE 7.7.2
CONVENTIONAL FOUNDATION RECOMMENDATIONS BY CATEGORY

Foundation Category	Minimum Footing Embedment Depth, D (inches)	Minimum Continuous Footing Reinforcement	Minimum Footing Width (Inches)
I	12	Two No. 4 bars, one top and one bottom	12 – Continuous, W_C 24 – Isolated, W_I
II	18	Four No. 4 bars, two top and two bottom	
III	24	Four No. 5 bars, two top and two bottom	

7.7.4 The foundations should be embedded in accordance with the recommendations herein and the Wall/Column Footing Dimension Detail. The embedment depths should be measured from the lowest adjacent pad grade for both interior and exterior footings. Footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope (unless designed with a post-tensioned foundation system as discussed herein).



Wall/Column Footing Dimension Detail

7.7.5 The proposed structures can be supported on a shallow foundation system founded in the compacted fill/formational materials. Table 7.7.3 provides a summary of the foundation design recommendations.

TABLE 7.7.3
SUMMARY OF FOUNDATION RECOMMENDATIONS

Parameter	Value
Allowable Bearing Capacity	2,000 psf
Bearing Capacity Increase	500 psf per Foot of Depth
	300 psf per Foot of Width
Maximum Allowable Bearing Capacity	4,000 psf
Estimated Total Static Settlement*	1 Inch
Estimated Differential Static Settlement*	½ Inch in 40 Feet

7.7.6 The bearing capacity values presented herein are for dead plus live loads and may be increased by one-third when considering transient loads due to wind or seismic forces.

7.7.7 The concrete slab-on-grades should be a designed in accordance with Table 7.7.4.

TABLE 7.7.4
CONVENTIONAL SLAB-ON-GRADE RECOMMENDATIONS BY CATEGORY

Foundation Category	Minimum Concrete Slab Thickness (inches)	Interior Slab Reinforcement	Typical Slab Underlayment
I	4	6 x 6 - 10/10 welded wire mesh at slab mid-point	3 to 4 Inches of Sand/Gravel/Base
II	4	No. 3 bars at 24 inches on center, both directions	
III	5	No. 3 bars at 18 inches on center, both directions	

7.7.8 Slabs that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder. The vapor retarder design should be consistent with the guidelines presented in the American Concrete Institute's (ACI) *Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials* (ACI 302.2R-06). The vapor retarder used should be specified by the project architect or developer based

on the type of floor covering that will be installed and if the structure will possess a humidity controlled environment.

7.7.9 The bedding sand thickness should be determined by the project foundation engineer, architect, and/or developer. However, we should be contacted to provide recommendations if the bedding sand is thicker than 6 inches. It is common to see 3 inches and 4 inches of sand below the concrete slab-on-grade for 5-inch and 4-inch thick slabs, respectively, in the southern California area. The foundation design engineer should provide appropriate concrete mix design criteria and curing measures to assure proper curing of the slab by reducing the potential for rapid moisture loss and subsequent cracking and/or slab curl. We suggest that the foundation design engineer present the concrete mix design and proper curing methods on the foundation plans. It is critical that the foundation contractor understands and follows the recommendations presented on the foundation plans.

7.7.10 As an alternative to the conventional foundation recommendations, consideration should be given to the use of post-tensioned concrete slab and foundation systems for the support of the proposed structures. The post-tensioned systems (foundation dimensions and embedment depths, slab thickness and steel placement) should be designed by a structural engineer experienced in post-tensioned slab design and design criteria of the Post-Tensioning Institute (PTI) DC 10.5-12 *Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive Soils* or *WRI/CRSI Design of Slab-on-Ground Foundations*, as required by the 2019 California Building Code (CBC Section 1808.6.2). Although this procedure was developed for expansive soil conditions, it can also be used to reduce the potential for foundation distress due to differential fill settlement. The post-tensioned design should incorporate the geotechnical parameters presented in Table 7.7.5 for the particular Foundation Category designated. The parameters presented in Table 7.7.5 are based on the guidelines presented in the PTI DC 10.5 design manual.

TABLE 7.7.5
POST-TENSIONED FOUNDATION SYSTEM DESIGN PARAMETERS

Post-Tensioning Institute (PTI) DC10.5 Design Parameters	Foundation Category		
	I	II	III
Thornthwaite Index	-20	-20	-20
Equilibrium Suction	3.9	3.9	3.9
Edge Lift Moisture Variation Distance, e_M (Feet)	5.3	5.1	4.9
Edge Lift, y_M (Inches)	0.61	1.10	1.58
Center Lift Moisture Variation Distance, e_M (Feet)	9.0	9.0	9.0
Center Lift, y_M (Inches)	0.30	0.47	0.66

7.7.11 The foundations for the post-tensioned slabs should be embedded in accordance with the recommendations of the structural engineer. If a post-tensioned mat foundation system is planned, the slab should possess a thickened edge with a minimum width of 12 inches and extend below the clean sand or crushed rock layer.

7.7.12 If the structural engineer proposes a post-tensioned foundation design method other than PTI, DC 10.5:

- The deflection criteria presented in Table 7.7.5 are still applicable.
- Interior stiffener beams should be used for Foundation Categories II and III.
- The width of the perimeter foundations should be at least 12 inches.
- The perimeter footing embedment depths should be at least 12 inches, 18 inches and 24 inches for foundation categories I, II, and III, respectively. The embedment depths should be measured from the lowest adjacent pad grade.

7.7.13 Foundation systems for the lots that possess a foundation Category I and a "very low" expansion potential (expansion index of 20 or less) can be designed using the method described in Section 1808 of the 2019 CBC. If post-tensioned foundations are planned, an alternative, commonly accepted design method (other than PTI) can be used. However, the post-tensioned foundation system should be designed with a total and differential deflection of 1 inch. Geocon Incorporated should be contacted to review the plans and provide additional information, if necessary.

7.7.14 If an alternate design method is contemplated, Geocon Incorporated should be contacted to evaluate if additional expansion index testing should be performed to identify the lots that possess a "very low" expansion potential (expansion index of 20 or less).

7.7.15 Our experience indicates post-tensioned slabs may be susceptible to excessive edge lift from tensioning, regardless of the underlying soil conditions. Placing reinforcing steel at the bottom of the perimeter footings and the interior stiffener beams may mitigate this potential. The structural engineer should design the foundation system to reduce the potential of edge lift occurring for the proposed structures.

7.7.16 During the construction of the post-tension foundation system, the concrete should be placed monolithically. Under no circumstances should cold joints form between the footings/grade beams and the slab during the construction of the post-tension foundation system unless designed by the structural engineer.

7.7.17 Isolated footings outside of the slab area, if present, should have the minimum embedment depth and width recommended for conventional foundations for a particular Foundation Category. The use of isolated footings, which are located beyond the perimeter of the building and support structural elements connected to the building, are not recommended for Category III. Where this condition cannot be avoided, the isolated footings should be connected to the building foundation system with grade beams in both directions. In addition, consideration should be given to connecting patio slabs, which exceed 5 feet in width, to the building foundation to reduce the potential for future separation to occur.

7.7.18 Interior stiffening beams should be incorporated into the design of the foundation system in accordance with the PTI design procedures.

7.7.19 Special subgrade presaturation is not deemed necessary prior to placing concrete; however, the exposed foundation and slab subgrade soil should be moisture conditioned, as necessary, to maintain a moist condition as would be expected in any such concrete placement.

7.7.20 Where buildings or other improvements are planned near the top of a slope 3:1 (horizontal:vertical) or steeper, special foundation and/or design considerations are recommended due to the tendency for lateral soil movement to occur.

- For fill slopes less than 20 feet high or cut slopes regardless of height, footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope.
- When located next to a descending 3:1 (horizontal:vertical) fill slope or steeper, the foundations should be extended to a depth where the minimum horizontal distance is equal to H/3 (where H equals the vertical distance from the top of the fill slope to the base of the fill soil) with a minimum of 7 feet but need not exceed 40 feet. The horizontal distance is measured from the outer, deepest edge of the footing to the face of the slope. A post-tensioned slab and foundation system or mat foundation system can be used to reduce the potential for distress in the structures associated with strain softening and lateral fill extension. Specific design parameters or recommendations for either of these alternatives can be provided once the building location and fill slope geometry have been determined.
- If swimming pools are planned, Geocon Incorporated should be contacted for a review of specific site conditions.
- Swimming pools located within 7 feet of the top of cut or fill slopes are not recommended. Where such a condition cannot be avoided, the portion of the swimming pool wall within 7 feet of the slope face be designed assuming that the adjacent soil provides no lateral support. This recommendation applies to fill slopes up to 30 feet in height, and cut slopes regardless of height. For swimming pools located near the top of fill slopes greater than 30 feet in height, additional

recommendations may be required and Geocon Incorporated should be contacted for a review of specific site conditions.

- Although other improvements, which are relatively rigid or brittle, such as concrete flatwork or masonry walls, may experience some distress if located near the top of a slope, it is generally not economical to mitigate this potential. It may be possible, however, to incorporate design measures which would permit some lateral soil movement without causing extensive distress. Geocon Incorporated should be consulted for specific recommendations.

7.7.21 The recommendations of this report are intended to reduce the potential for cracking of slabs and foundations due to expansive soil (if present), differential settlement of fill soil with varying thicknesses. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade placed on such conditions may still exhibit some cracking due to soil movement and/or shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.7.22 Concrete slabs should be provided with adequate crack-control joints, construction joints and/or expansion joints to reduce unsightly shrinkage cracking. The design of joints should consider criteria of the American Concrete Institute when establishing crack-control spacing. Additional steel reinforcing, concrete admixtures and/or closer crack control joint spacing should be considered where concrete-exposed finished floors are planned.

7.7.23 Geocon Incorporated should be consulted to provide additional design parameters as required by the structural engineer.

7.7.24 We should observe the foundation excavations prior to the placement of reinforcing steel to check that the exposed soil conditions are similar to those expected and that they have been extended to the appropriate bearing strata. If unexpected soil conditions are encountered, foundation modifications may be required.

7.8 Concrete Flatwork

7.8.1 The following recommendations apply to exterior flatwork where near surface soils are low to medium expansive (EI less than 90). Exterior slabs not subjected to vehicular traffic should be a minimum of 4 inches thick and reinforced with 6 x 6-6/6 welded wire mesh. The mesh should be placed in the middle of the slab. Proper mesh positioning is critical to future performance of the slabs. The contractor should take extra measures to provide proper mesh

placement. Prior to construction of slabs, the upper 12 inches of subgrade soils should be moisture conditioned at or slightly above optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density per ASTM 1557.

7.8.2 Where highly expansive soils (EI greater than 90) are present near finish grade, the following recommendations apply. Exterior slabs should be at least 5 inches thick and reinforced with No. 3 steel bars spaced 18 inches on center each direction positioned at the slab midpoint. Driveways should be constructed with a 6-inch deep slab edge (measured from the bottom of the slab). Slabs should be doweled to the building foundation where they abut the stem wall. Sidewalks should be doweled to the curbs. Prior to construction of slabs, the upper 12 inches of subgrade soils should scarified and moisture conditioned to **a minimum of 3% above optimum moisture content** just prior to placing the concrete. Moisture conditioning should be observed and checked by a representative of Geocon Incorporated.

7.8.3 Consideration should be given to adding concrete cut-off walls beneath exterior flatwork supported by highly expansive soils (EI greater than 90). The cut-off walls are recommended where any water (e.g. landscape) may migrate laterally beneath the flatwork and cause adverse soil movement. The cut-off walls should be located along the perimeter of the concrete slab adjacent to landscaping areas and extend at least 6-inches into the soil subgrade.

7.8.4 Concrete flatwork should be provided with crack control joints to reduce and/or control shrinkage cracking. Crack control spacing should be determined by the project structural engineer based upon the slab thickness and intended usage. Criteria of the American Concrete Institute (ACI) should be taken into consideration when establishing crack control spacing. A 4-inch-thick slab should have a maximum joint spacing of 10 feet. Subgrade soil for exterior slabs not subjected to vehicle loads should be compacted in accordance with criteria presented above prior to concrete placement. Subgrade soil should be properly compacted and the moisture content of subgrade soil should be checked prior to placing concrete.

7.8.5 Even with the incorporation of the recommendations within this report, the exterior concrete flatwork has a likelihood of experiencing some settlement due to potentially compressible and liquefiable soil beneath grade; therefore, the welded wire mesh should overlap continuously in flatwork to reduce the potential for vertical offsets within flatwork. Additionally, flatwork should be structurally connected to the curbs, where possible, to reduce the potential for offsets between the curbs and the flatwork.

7.8.6 The recommendations of this report are intended to reduce the potential for cracking of slabs due to expansive soil (if present), differential settlement of existing soil or soil with varying thicknesses. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade placed on such conditions may still exhibit some cracking due to soil movement and/or shrinkage. Periotic maintenance such as slab replacement and/or grinding of elevated slab margins may be necessary due to the highly expansive soils. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.9 Conventional Retaining Walls

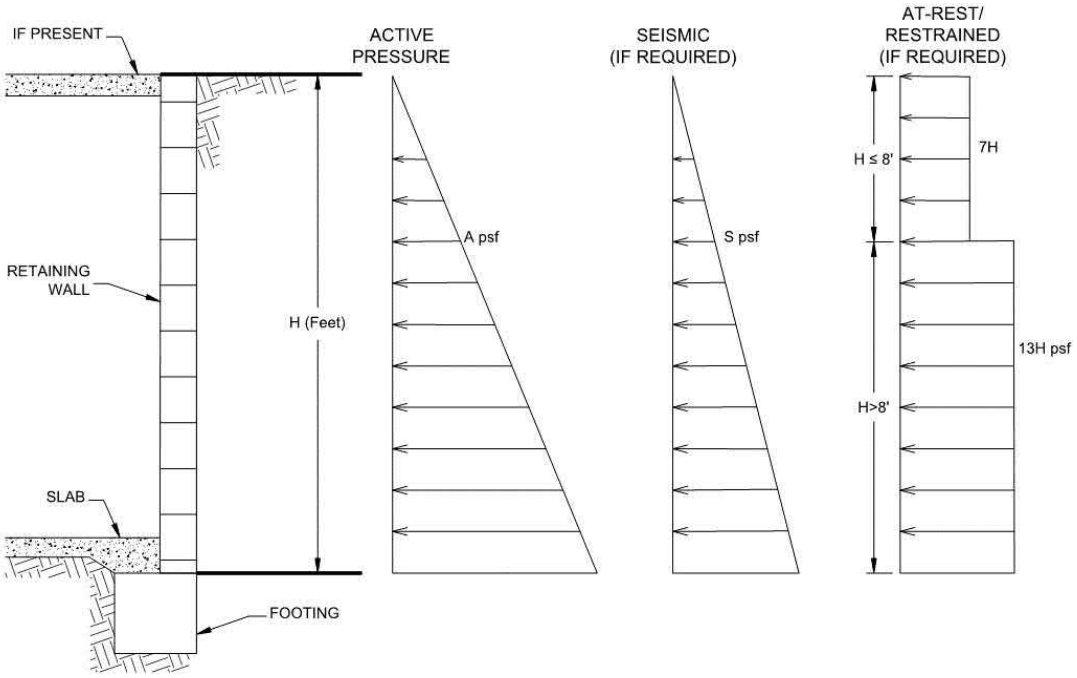
7.9.1 Retaining walls should be designed using the values presented in Table 7.9.1. Soil with an expansion index (EI) of greater than 50 should not be used as backfill material behind retaining walls.

TABLE 7.9.1
RETAINING WALL DESIGN RECOMMENDATIONS

Parameter	ValueP
Active Soil Pressure, A (Fluid Density, Level Backfill)	35 pcf
Active Soil Pressure, A (Fluid Density, 2:1 Sloping Backfill)	50 pcf
Seismic Pressure, S	18H psf
At-Rest/Restrained Walls Additional Uniform Pressure (0 to 8 Feet High)	8H psf
At-Rest/Restrained Walls Additional Uniform Pressure (8+ Feet High)	12H psf
Expected Expansion Index for the Subject Property	EI≤50

H equals the height of the retaining portion of the wall

7.9.2 The project retaining walls should be designed as shown in the Retaining Wall Loading Diagram.



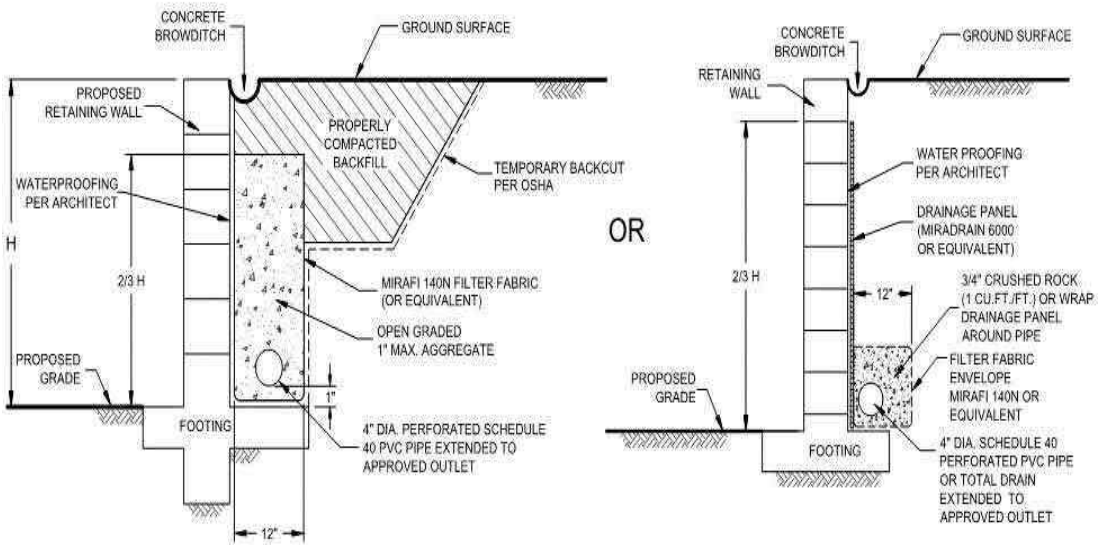
Retaining Wall Loading Diagram

7.9.3 Unrestrained walls are those that are allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall) at the top of the wall. Where walls are restrained from movement at the top (at-rest condition), an additional uniform pressure should be applied to the wall. For retaining walls subject to vehicular loads within a horizontal distance equal to two-thirds the wall height, a surcharge equivalent to 2 feet of fill soil should be added.

7.9.4 The structural engineer should determine the Seismic Design Category for the project in accordance with Section 1613.3.5 of the 2019 CBC or Section 11.6 of ASCE 7-16. For structures assigned to Seismic Design Category of D, E, or F, retaining walls that support more than 6 feet of backfill should be designed with seismic lateral pressure in accordance with Section 1803.5.12 of the 2019 CBC. The seismic load is dependent on the retained height where H is the height of the wall, in feet, and the calculated loads result in pounds per square foot (psf) exerted at the base of the wall and zero at the top of the wall.

7.9.5 Retaining walls should be designed to ensure stability against overturning sliding, and excessive foundation pressure. Where a keyway is extended below the wall base with the intent to engage passive pressure and enhance sliding stability, it is not necessary to consider active pressure on the keyway.

7.9.6 Drainage openings through the base of the wall (weep holes) should not be used where the seepage could be a nuisance or otherwise adversely affect the property adjacent to the base of the wall. The recommendations herein assume a properly compacted granular (EI of 90 or less) free-draining backfill material with no hydrostatic forces or imposed surcharge load. The retaining wall should be properly drained as shown in the Typical Retaining Wall Drainage Detail. If conditions different than those described are expected, or if specific drainage details are desired, Geocon Incorporated should be contacted for additional recommendations.



Typical Retaining Wall Drainage Detail

7.9.7 The retaining walls may be designed using either the active and restrained (at-rest) loading condition or the active and seismic loading condition as suggested by the structural engineer. Typically, it appears the design of the restrained condition for retaining wall loading may be adequate for the seismic design of the retaining walls. However, the active earth pressure combined with the seismic design load should be reviewed and also considered in the design of the retaining walls.

7.9.8 In general, wall foundations should be designed in accordance with Table 7.9.2. The proximity of the foundation to the top of a slope steeper than 3:1 could impact the allowable soil bearing pressure. Therefore, retaining wall foundations should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope.

TABLE 7.9.2
SUMMARY OF RETAINING WALL FOUNDATION RECOMMENDATIONS

Parameter	Value
Minimum Retaining Wall Foundation Width	12 inches
Minimum Retaining Wall Foundation Depth	12 Inches
Minimum Steel Reinforcement	Per Structural Engineer
Allowable Bearing Capacity	2,000 psf
Bearing Capacity Increase	500 psf per Foot of Depth
	300 psf per Foot of Width
Maximum Allowable Bearing Capacity	4,000 psf
Estimated Total Static Settlement*	1 Inch
Estimated Differential Static Settlement*	½ Inch in 40 Feet

7.9.9 The recommendations presented herein are generally applicable to the design of rigid concrete or masonry retaining walls. In the event that other types of walls (such as mechanically stabilized earth [MSE] walls) are planned, Geocon Incorporated should be consulted for additional recommendations.

7.9.10 Unrestrained walls will move laterally when backfilled and loading is applied. The amount of lateral deflection is dependent on the wall height, the type of soil used for backfill, and loads acting on the wall. The retaining walls and improvements above the retaining walls should be designed to incorporate an appropriate amount of lateral deflection as determined by the structural engineer.

7.9.11 Soil contemplated for use as retaining wall backfill, including import materials, should be identified in the field prior to backfill. At that time, Geocon Incorporated should obtain samples for laboratory testing to evaluate its suitability. Modified lateral earth pressures may be necessary if the backfill soil does not meet the required expansion index or shear strength. City or regional standard wall designs, if used, are based on a specific active lateral earth pressure and/or soil friction angle. In this regard, on-site soil to be used as backfill may or may not meet the values for standard wall designs. Geocon Incorporated should be consulted to assess the suitability of the on-site soil for use as wall backfill if standard wall designs will be used.

7.10 Lateral Loading

7.10.1 Table 7.10 should be used to help design the proposed structures and improvements to resist lateral loads for the design of footings or shear keys. The allowable passive pressure assumes a horizontal surface extending at least 5 feet, or three times the surface generating the passive pressure, whichever is greater. The upper 12 inches of material in areas not protected by floor slabs or pavement should not be included in design for passive resistance.

TABLE 7.10
SUMMARY OF LATERAL LOAD DESIGN RECOMMENDATIONS

Parameter	Value
Passive Pressure Fluid Density	300 pcf
Coefficient of Friction (Concrete and Soil)	0.35
Coefficient of Friction (Along Vapor Barrier)	0.2 to 0.25*

*Per manufacturer's recommendations.

7.10.2 The passive and frictional resistant loads can be combined for design purposes. The lateral passive pressures may be increased by one-third when considering transient loads due to wind or seismic forces.

7.11 Mechanically Stabilized Earth (MSE) Retaining Walls

7.11.1 Mechanized stabilized earth (MSE) retaining walls can be used on the property. MSE retaining walls are alternative walls that consist of modular block facing units with geogrid reinforced earth behind the block. The reinforcement grid attaches to the block units and is typically placed at specified vertical intervals and embedment lengths. The grid length and spacing will be determined by the wall designer.

7.11.2 The geotechnical parameters listed in Table 7.11 can be used for preliminary design of the MSE walls. Soil with an expansion index (EI) of greater than 50 should not be used as backfill material behind retaining walls. In addition, some wall designers request soil with a plasticity index greater than 20, a liquid limit greater than 40 and a fines content greater than 35 percent should not be used for soil within the reinforcing zone. This may require import of select materials for the wall backfilling operations or selectively stockpiling of granular soils. Once the backfill source has been determined, laboratory testing should be performed to check that the shear strength parameters used in the design of the MSE walls meet or exceed the required strength within the reinforced zone.

TABLE 7.11
GEOTECHNICAL PARAMETERS FOR MSE WALLS

Parameter	Reinforced Zone	Retained Zone	Foundation Zone
Angle of Internal Friction	30 degrees	30 degrees	30 degrees
Cohesion	0 psf	0 psf	0 psf
Wet Unit Density	125 pcf	125 pcf	125 pcf

7.11.3 The soil parameters presented in Table 7.17 are based on our experience with MSE wall contractors on previous projects. The wet unit density values presented in Table 7.17 can be used for design but actual in-place densities may range from approximately 110 to 135 pounds per cubic foot. Geocon has no way of knowing which materials will actually be used as backfill behind the wall during construction. It is up to the wall designers to use their judgment in selection of the design parameters. As such, once backfill materials have been selected and/or stockpiled, sufficient shear tests should be conducted on samples of the proposed backfill materials to check that they conform to actual design values. Results should be provided to the designer to re-evaluate stability of the walls. Dependent upon test results, the designer may require modifications to the original wall design (e.g., longer reinforcement embedment lengths and/or steel reinforcement).

7.11.4 The foundation zone is the area where the footing is embedded, the reinforced zone is the area of the backfill that possesses the reinforcing fabric, and the retained zone is the area behind the reinforced zone.

7.11.5 Wall foundations having a minimum depth and width of one foot may be designed for an allowable soil bearing pressure of 2,000 psf. The MSE walls should be designed for a total and differential static settlement of 1-inch and ½-inch in 40 feet, respectively.

7.11.6 Backfill materials within the reinforced zone should be compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content in accordance with ASTM D 1557. This is applicable to the entire embedment width of the reinforcement. Typically, wall designers specify no heavy compaction equipment within 3 feet of the face of the wall. However, smaller equipment (e.g., walk-behind, self-driven compactors or hand whackers) can be used to compact the materials without causing deformation of the wall. If the designer specifies no compactive effort for this zone, the materials are essentially not properly compacted and the reinforcement grid within the uncompacted zone should not be relied upon for reinforcement, and overall embedment lengths will have to be increased to account for the difference.

7.11.7 The wall should be provided with a drainage system sufficient to prevent excessive seepage through the wall and the base of the wall, thus preventing hydrostatic pressures behind the wall.

7.11.8 Geosynthetic reinforcement must elongate to develop full tensile resistance. This elongation generally results in movement at the top of the wall. The amount of movement is dependent upon the height of the wall (e.g., higher walls rotate more) and the type of reinforcing grid used. In addition, over time the reinforcement grid has been known to exhibit creep (sometimes as much as 5 percent) and can undergo additional movement. Given this condition, the owner should be aware that structures and pavement placed within the reinforced and retained zones of the wall may undergo movement.

7.11.9 The MSE wall contractor should provide the estimated deformation of wall and adjacent ground in associated with wall construction. The calculated horizontal and vertical deformations should be determined by the wall designer. The estimated movements should be provided to the project structural engineer to determine if the planned improvements can tolerate the expected movements.

7.11.10 The MSE wall designer/contractor should review this report, including the slope stability requirements, and incorporate our recommendations as presented herein. We should be provided the plans for the MSE walls to check if they are in conformance with our recommendations prior to issuance of a permit and construction.

7.12 Preliminary Pavement Recommendations

7.12.1 We calculated the preliminary flexible pavement sections in general conformance with the *Caltrans Method of Flexible Pavement Design* (Highway Design Manual, Section 608.4) using estimated Traffic Indices (TI's) of 4.5, 5.0, 6.0 and 7.0 for the interior roadways. The project civil engineer and owner should review the pavement designations to determine appropriate locations for pavement thickness. We have assumed an R-Value of 10 and 78 for the subgrade soil and base materials, respectively, for the purposes of this preliminary analysis. The final pavement sections should be based on the R-Value of the subgrade soil encountered at final subgrade elevation once site grading and utility trench backfill is completed. Table 7.12.1 presents the preliminary flexible pavement sections.

TABLE 7.12.1
PRELIMINARY FLEXIBLE PAVEMENT SECTION

Location	Assumed Traffic Index	Assumed Subgrade R-Value	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Parking Stalls	4.5	10	3	7
Interior Roadways (light-duty)	5.0	10	3	9
Interior Roadways (medium duty)	6.0	10	3.5	12.5
Interior Roadways (heavy duty)	7.0	10	4	14.5

7.12.2 Prior to placing base materials, the upper 12 inches of the subgrade soil should be scarified, moisture conditioned as necessary, and recompacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content as determined by ASTM D 1557. Similarly, the base material should be compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Asphalt concrete should be compacted to a density of at least 95 percent of the laboratory Hveem density in accordance with ASTM D 2726.

7.12.3 Base materials should conform to Section 26-1.02B of the *Standard Specifications for The State of California Department of Transportation (Caltrans)* with a ¾-inch maximum size aggregate. The asphalt concrete should conform to Section 203-6 of the *Standard Specifications for Public Works Construction (Greenbook).*

7.12.4 The base thickness can be reduced if a reinforcement geogrid is used during the installation of the pavement. Geocon should be contact for additional recommendations, if required.

7.12.5 A rigid Portland cement concrete (PCC) pavement section should be placed in driveway entrance aprons, cross-gutters and trash bin loading/storage areas. The concrete pad for trash truck areas should be large enough such that the truck wheels will be positioned on the concrete during loading. We calculated the rigid pavement section in general conformance with the procedure recommended by the American Concrete Institute report ACI 330R-08 *Guide for Design and Construction of Concrete Parking Lots* using the parameters presented in Table 7.12.2.

TABLE 7.12.2
RIGID PAVEMENT DESIGN PARAMETERS

Design Parameter	Design Value
Modulus of subgrade reaction, k	50 pci
Modulus of rupture for concrete, M_R	500 psi
Traffic Category, TC	A and B
Average daily truck traffic, ADTT	10 and 25

7.12.6 Based on the criteria presented herein, the PCC pavement sections should have a minimum thickness as presented in Table 7.12.3.

TABLE 7.12.3
RIGID PAVEMENT RECOMMENDATIONS

Location	Portland Cement Concrete (inches)
Medium Duty Areas (TC=B)	6.0
Heavy Duty Areas (TC=C)	7.0

7.12.7 The PCC pavement should be placed over subgrade soil that is compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. This pavement section is based on a minimum concrete compressive strength of approximately 3,000 psi (pounds per square inch). Base materials will not be required beneath concrete improvements including cross-gutters, curb and gutters, and sidewalks.

7.12.8 A thickened edge or integral curb should be constructed on the outside of concrete slabs subjected to wheel loads. The thickened edge should be 1.2 times the slab thickness or a minimum thickness of 2 inches, whichever results in a thicker edge, and taper back to the recommended slab thickness 4 feet behind the face of the slab (e.g., a 7.5-inch-thick slab would have a 9.5-inch-thick edge). Reinforcing steel will not be necessary within the concrete for geotechnical purposes with the possible exception of dowels at construction joints as discussed herein.

7.12.9 To control the location and spread of concrete shrinkage cracks, crack-control joints (weakened plane joints) should be included in the design of the concrete pavement slab. Crack-control joints should not exceed 30 times the slab thickness with a maximum spacing of 15 feet for slabs 6 inches and thicker and should be sealed with an appropriate sealant to prevent the migration of water through the control joint to the subgrade materials. The depth of the crack-control joints should be determined by the referenced ACI report. The depth of

the crack-control joints should be at least ¼ of the slab thickness when using a conventional saw, or at least 1 inch when using early-entry saws on slabs 9 inches or less in thickness, as determined by the referenced ACI report discussed in the pavement section herein. Cuts at least ¼ inch wide are required for sealed joints, and a ⅜ inch wide cut is commonly recommended. A narrow joint width of $^1/_{10}$ to $^1/_8$-inch wide is common for unsealed joints.

7.12.10 Concrete curb/gutter should be placed on soil subgrade compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Cross-gutters should be placed on subgrade soil compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Base materials should not be placed below the curb/gutter, cross-gutters, or sidewalk so water is not able to migrate from the adjacent parkways to the pavement sections.

7.12.11 The performance of pavement is highly dependent on providing positive surface drainage away from the edge of the pavement. Ponding of water on or adjacent to the pavement and subgrade will likely result in pavement distress and subgrade failure. Drainage from landscaped areas should be directed to controlled drainage structures. Landscape areas adjacent to the edge of asphalt pavements are not recommended due to the potential for surface or irrigation water to infiltrate the underlying permeable aggregate base and cause distress. Where such a condition cannot be avoided, consideration should be given to incorporating measures that will significantly reduce the potential for subsurface water migration into the aggregate base. If planter islands are planned, the perimeter curb should extend at least 6 inches below the level of the base materials.

7.13 Low Impact Development (Bioswales, Bio-retention systems)

7.13.1 At the completion of grading the site will be underlain by compacted fill over dense/hard formation materials. Based on soils encountered during the field investigation, we anticipate that the compacted fill will consist of sandy clay and clayey gravel, and mixtures of angular gravel and boulders generated from blasting operations in granitic rock. Infiltrating into compacted fill generally results in settlement of granular soils, heaving of expansive soils, and distress to improvements placed over the compacted fill; as well as slope instability. It is our opinion the compacted fill is unsuitable for infiltration of storm water runoff due to the potential for adverse settlement and potential for water to daylight. The formational materials (Friars Formation and granitic rock) are also sufficiently dense and impermeable that infiltration water would be expected to perch on the surface.

7.13.2 Bio-retention basins, bioswales and bio-remediation areas should be designed by the project civil engineer and reviewed by Geocon Incorporated. Typically, bioswales consist of a surface

layer of vegetation underlain by clean sand. A subdrain should be provided beneath the sand layer. Prior to discharging into the storm drain pipe, a seepage cutoff wall should be constructed at the interface between the subdrain and storm drain pipe. The concrete cut-off wall should extend at least 6 inches beyond the perimeter of the gravel-packed subdrain system.

7.13.3 To minimize adverse impacts to existing or planned improvements, we recommend that proposed LID systems be provided with a waterproof liner, such as 30-mil HDPE, or equivalent, to prevent water infiltration and saturation of compacted fill soil and formational materials. This recommendation is intended to reduce potential negative impacts to public and private improvements due to water infiltration. Downstream properties may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other impacts as a result of water infiltration. Saturating compacted fills typically results in induced hydraulic settlement of the fills potentially impacting adjacent surface improvements supported by the fill. Bioswale systems when located adjacent to pavements often enable water to migrate beneath pavements saturating subgrade soils and aggregate base, which can lead to premature pavement distress. Also, water may enter underground utility pipe zones and impact improvements down gradient from the site.

7.13.4 A storm water vault is shown on the Tentative Map. If this vault allows water to migrate into the subgrade soils, the design should include an impermeable liner, as discussed in Appendix C.

7.13.5 As plans progress and details for LID systems are available for our review, we can provide additional recommendations. Temporary detention basins in areas where improvements have not been constructed do not need to be lined.

7.13.6 Appendix C presents storm water management for the subject project in accordance with City of Poway Storm Water BMP Design Manual. Recommendations for the planned drainage management areas (DMA) are presented in Appendix C.

7.13.7 The landscape architect should be consulted to provide the appropriate plant recommendations for use with LID systems. If drought resistant plants are not used, irrigation may be required.

7.14 Site Drainage and Moisture Protection

7.14.1 Adequate site drainage is critical to reduce the potential for differential soil movement, erosion and subsurface seepage. Under no circumstances should water be allowed to pond adjacent to footings. The site should be graded and maintained such that surface drainage is

directed away from structures in accordance with 2019 CBC 1804.3 or other applicable standards. In addition, surface drainage should be directed away from the top of slopes into swales or other controlled drainage devices. Roof and pavement drainage should be directed into conduits that carry runoff away from the proposed structure.

7.14.2 Underground utilities should be leak free. Utility and irrigation lines should be checked periodically for leaks, and detected leaks should be repaired promptly. Detrimental soil movement could occur if water is allowed to infiltrate the soil for prolonged periods of time.

7.14.3 Landscaping planters adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. Area drains to collect excess irrigation water and transmit it to drainage structures or impervious above-grade planter boxes can be used. In addition, where landscaping is planned adjacent to the pavement, construction of a cutoff wall along the edge of the pavement that extends at least 6 inches below the bottom of the base material should be considered.

7.15 Slope Maintenance

7.15.1 Slopes that are steeper than 3:1 (horizontal:vertical) may, under conditions that are both difficult to prevent and predict, be susceptible to near-surface (surficial) slope instability. The instability is typically limited to the outer 3 feet of a portion of the slope and usually does not directly impact the improvements on the pad areas above or below the slope. The occurrence of surficial instability is more prevalent on fill slopes and is generally preceded by a period of heavy rainfall, excessive irrigation, or the migration of subsurface seepage. The disturbance and/or loosening of the surficial soils, as might result from root growth, soil expansion, or excavation for irrigation lines and slope planting, may also be a significant contributing factor to surficial instability. It is therefore recommended that, to the maximum extent practical: (a) disturbed/loosened surficial soils be either removed or properly recompacted, (b) irrigation systems be periodically inspected and maintained to eliminate leaks and excessive irrigation, and (c) surface drains on and adjacent to slopes be periodically maintained to preclude ponding or erosion. Although the incorporation of the above recommendations should reduce the potential for surficial slope instability, it will not eliminate the possibility and, therefore, it may be necessary to rebuild or repair a portion of the project's slopes in the future.

7.16 Grading and Foundation Plan Review

7.16.1 Geocon Incorporated should review the grading plans and foundation plans for the project prior to final design submittal to evaluate whether additional analyses and/or recommendations are required

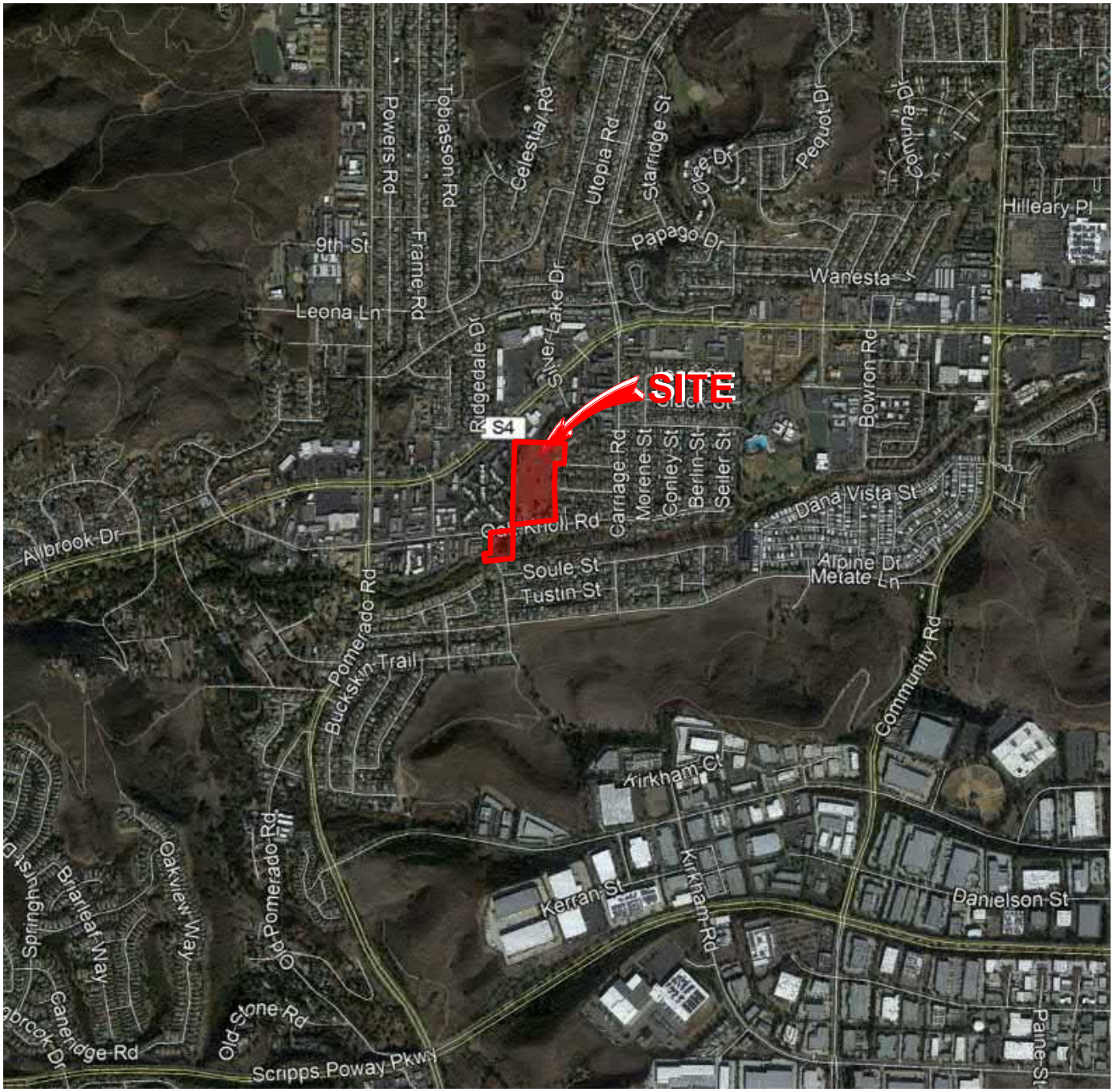
LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project geotechnical engineer of record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

2. The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, Geocon Incorporated should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous or corrosive materials was not part of the scope of services provided by Geocon Incorporated.

3. This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and that the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

4. The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.



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N

NO SCALE

VICINITY MAP

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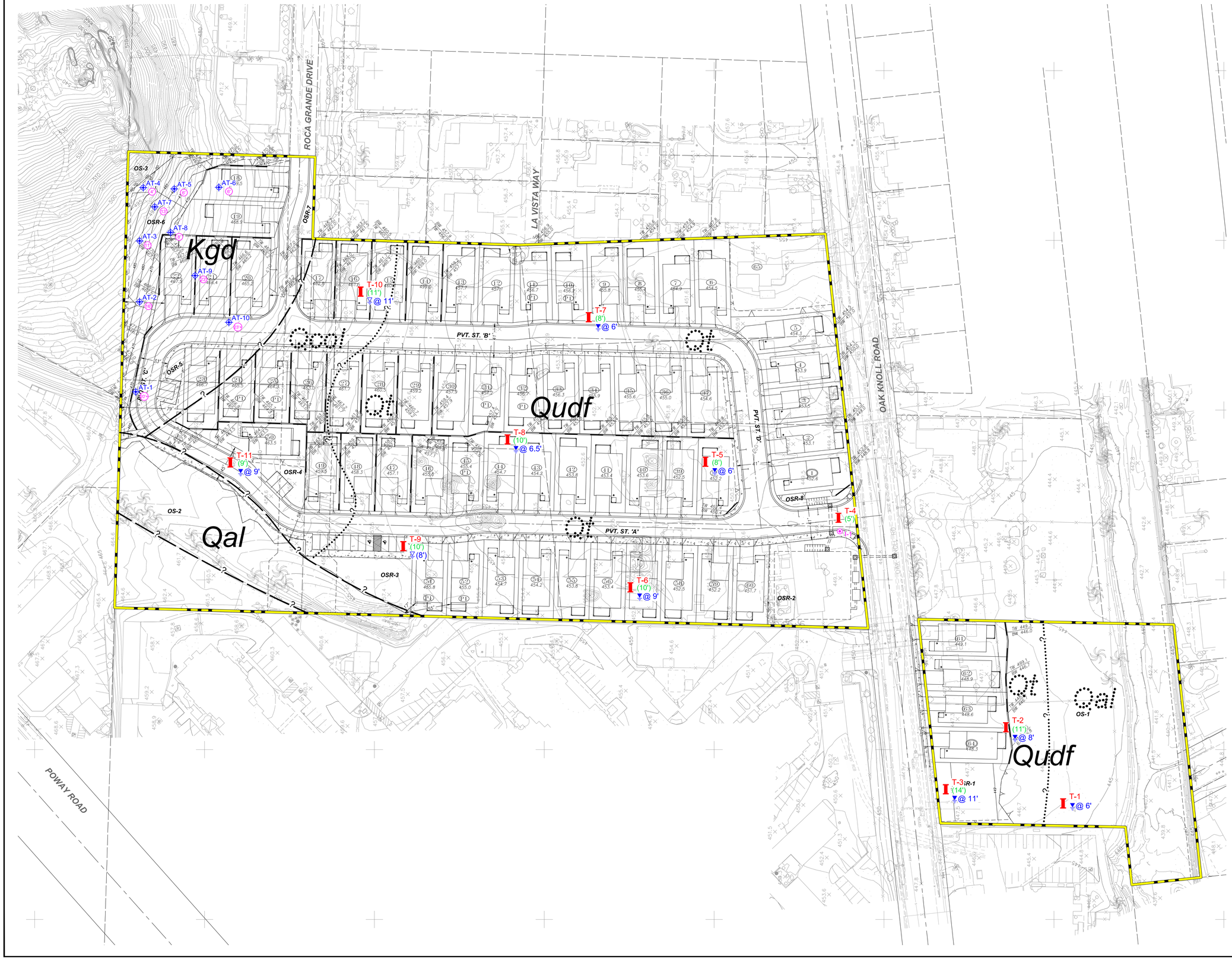
TM / RA		DSK/GTYPD

OAK KNOLL
POWAY, CALIFORNIA

DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 1

Plotted:06/14/2022 3:15PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\G2746-32-02 VicinityMap.dwg



GRAPHIC SCALE
0' 25' 50' 75' 100' 150' 200'
SCALE 1"=50' (on 36x24)

GEOCON LEGEND

- Qudf .....UNDOCUMENTED FILL
- Qal .....ALLUVIUM (Dotted Where Buried)
- Qt .....TERRACE DEPOSITS (Dotted Where Buried)
- Qcol .....COLLUVIUM (Dotted Where Buried))
- Kgd .....GRANODIORITE (Dotted Where Buried)
- ~2~ .....APPROX. LOCATION OF GEOLOGIC CONTACT (Queried Where Uncertain)
- T-11 .....APPROX. LOCATION OF EXPLORATORY TRENCH
- (9') .....APPROX. THICKNESS OF SURFICIAL SOIL REQUIRING REMEDIAL GRADING
- @ 9▽ .....APPROX. DEPTH TO GROUNDWATER
- @ 11▽ .....APPROX. DEPTH TO SEEPAGE
- I-1 .....APPROX. LOCATION OF INFILTRATION TEST
- AT-10 .....APPROX. LOCATION OF AIR-TRACK BORING
- (16) .....APPROX. THICKNESS (Ft) OF RIPPABLE MATERIAL BASED ON A LITERAL INTERPRETATION OF 20 SECONDS PER FOOT AS THE BOUNDARY BETWEEN RIPPABLE AND TO MARGINALLY TO NON-RIPPABLE ROCK
- .....PROPERTY BOUNDARY

GEOLOGIC MAP

OAK KNOLL
POWAY, CALIFORNIA

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SCALE	1" = 50'	DATE	06 - 15 - 2022
PROJECT NO.	G2746 - 32 - 02	FIGURE	2
SHEET	1 OF 1		

Plotted:06/14/2022 3:10PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\SHEETS\G2746-32-02 GeoMap.dwg

ASSUMED CONDITIONS :

SLOPE HEIGHT	H	=	Infinite
DEPTH OF SATURATION	Z	=	3 feet
SLOPE INCLINATION	2 : 1		(Horizontal : Vertical)
SLOPE ANGLE	i	=	26.6 degrees
UNIT WEIGHT OF WATER	γ_w	=	62.4 pounds per cubic foot
TOTAL UNIT WEIGHT OF SOIL	γ_t	=	130 pounds per cubic foot
ANGLE OF INTERNAL FRICTION	ϕ	=	35 degrees
APPARENT COHESION	C	=	250 pounds per square foot

SLOPE SATURATED TO VERTICAL DEPTH Z BELOW SLOPE FACE

SEEPAGE FORCES PARALLEL TO SLOPE FACE

ANALYSIS :

$$FS = \frac{C + (\gamma_t - \gamma_w)\ Z\ cos^2\ i\ tan\ \phi}{\gamma_t\ Z\ sin\ i\ cos\ i} = 2.3$$

REFERENCES :

1.....Haefeli, R. *The Stability of Slopes Acted Upon by Parallel Seepage*, Proc. Second International Conference, SMFE, Rotterdam, 1948, 1, 57-62

2.....Skempton, A. W., and F.A. Delory, *Stability of Natural Slopes in London Clay*, Proc. Fourth International Conference, SMFE, London, 1957, 2, 378-81

SURFICIAL SLOPE STABILITY ANALYSIS

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TM / RA		DSK/GTYPD	DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 3

Plotted:06/14/2022 3:16PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\Slope Stability Analyses-Surficial (SSAS).dwg

ASSUMED CONDITIONS :

SLOPE HEIGHT	H	=	30 feet
SLOPE INCLINATION	2 : 1	(Horizontal : Vertical)	
TOTAL UNIT WEIGHT OF SOIL	γ_t	=	130 pounds per cubic foot
ANGLE OF INTERNAL FRICTION	ϕ	=	35 degrees
APPARENT COHESION	C	=	500 pounds per square foot
NO SEEPAGE FORCES			

ANALYSIS :

$\lambda_{c\phi}$	=	$\frac{\gamma_t H \tan\phi}{C}$	EQUATION (3-3), REFERENCE 1
FS	=	$\frac{NcfC}{\gamma_t H}$	EQUATION (3-2), REFERENCE 1
$\lambda_{c\phi}$	=	5.5	CALCULATED USING EQ. (3-3)
Ncf	=	20	DETERMINED USING FIGURE 10, REFERENCE 2
FS	=	2.6	FACTOR OF SAFETY CALCULATED USING EQ. (3-2)

REFERENCES :

1.....Janbu, N., Stability Analysis of Slopes with Dimensionless Parameters, Harvard Soil Mechanics, Series No. 46, 1954

2.....Janbu, N., Discussion of J.M. Bell, Dimensionless Parameters for Homogeneous Earth Slopes, Journal of Soil Mechanics and Foundation Design, No. SM6, November 1967.

SLOPE STABILITY ANALYSIS - CUT SLOPES

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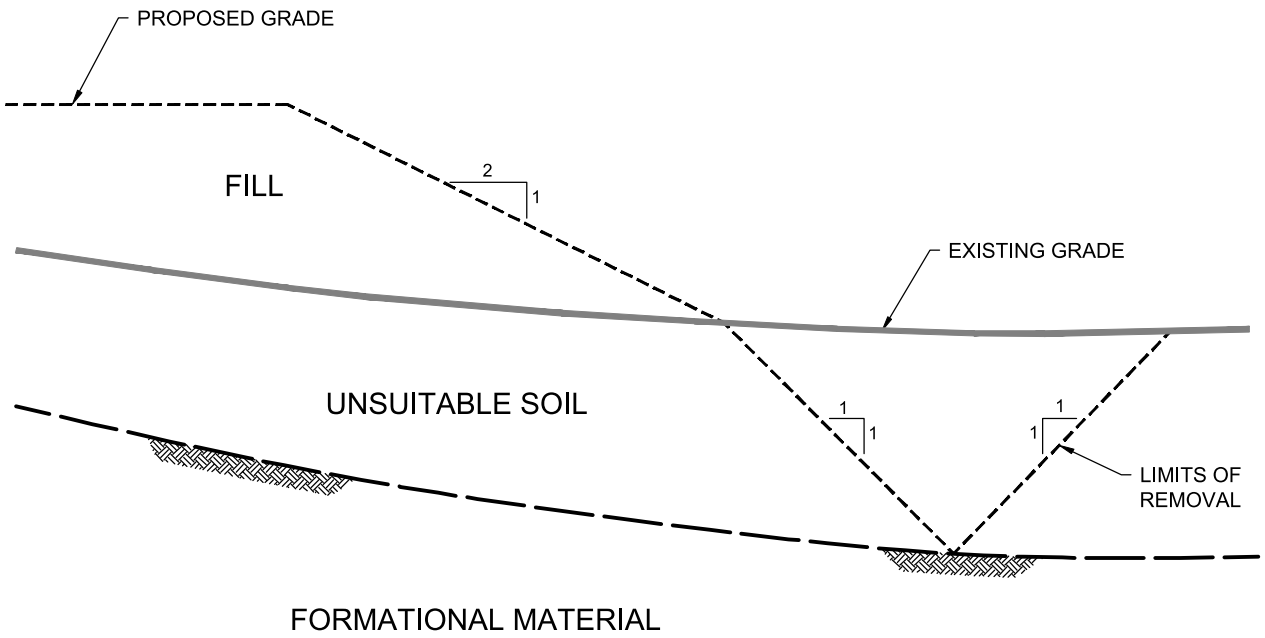
TM / RA		DSK/GTYPD	DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 4

Plotted:06/14/2022 3:16PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\Slope Stability Analyses-Cut (SSA-C).dwg



NOTE:

SLOPE OF BACKCUT MAY BE STEEPENED WITH THE APPROVAL OF THE SOILS ENGINEER WHERE BOUNDARY CONSTRAINTS LIMIT EXTENT OF REMOVALS

NO SCALE

CONSTRUCTION DETAIL FOR LATERAL EXTENT OF REMOVAL

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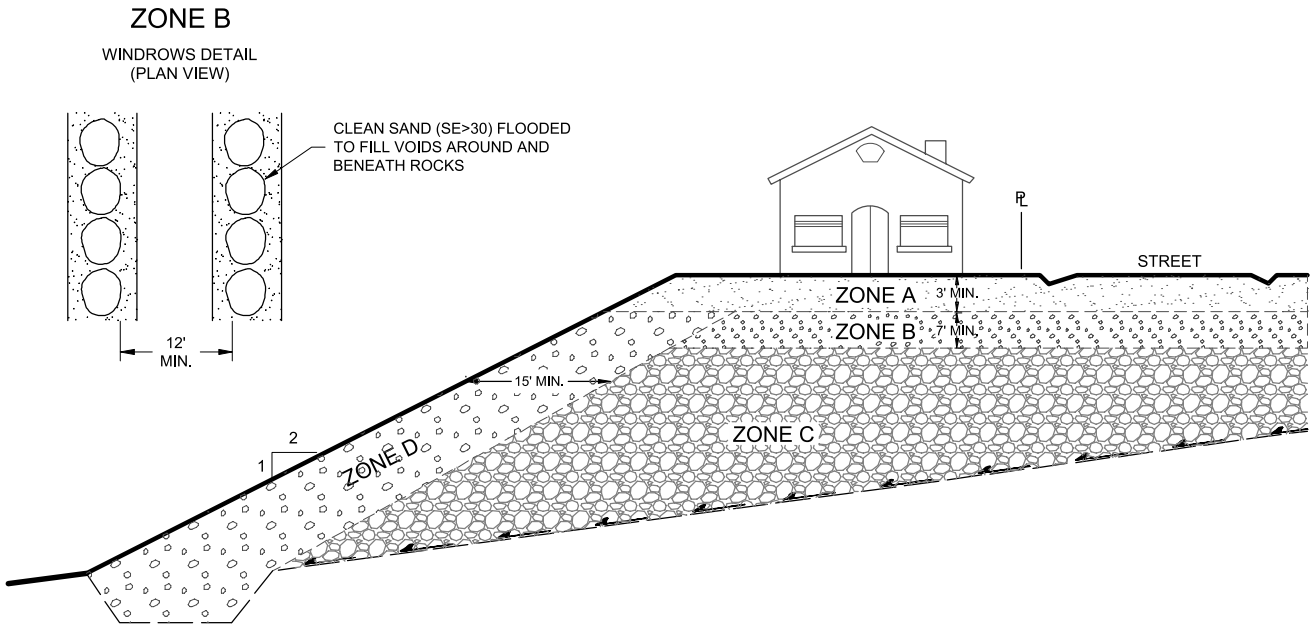
DATE 06 - 15 - 2022	PROJECT NO. G2746 - 32 - 02	FIG. 5

Plotted:06/14/2022 3:17PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\ConsDetail-LateralExtent-Removal (CDFLER).dwg



NO SCALE

LEGEND

ZONE A: COMPACTED SOIL FILL. NO ROCK FRAGMENTS OVER 6 INCHES IN DIMENSION.

ZONE B: ROCKS UP TO 1 FOOT IN MAXIMUM DIMENSION IN A MATRIX OF COMPACTED SOIL FILL.

ZONE C: ROCK OR SOIL-ROCK FILL GENERALLY CONSISTING OF 2 FOOT MINUS MATERIAL WITH OCCASIONAL INDIVIDUAL FRAGMENTS UP TO 4 FEET MAXIMUM DIMENSION. ZONE C SHOULD TERMINATE AT LEAST 2 FEET BELOW LOWES UTILITY. ALTERNATE: ROCKS 2 TO 4 FEET IN MAXIMUM DIMENSION CAN BE PLACED IN WINDROWS IN COMPACTED SOIL FILL AND BACKFILLED WITH SOIL POSSESSING A SAND EQUIVALENT OF AT LEAST 30.

ZONE D: ROCKS UP TO 12 INCHES IN MAXIMUM DIMENSION IN A MATRIX OF COMPACTED SOIL FILL.

NOTES

1. COMPACTED SOIL FILL IN UPPER 3 FEET SHALL CONTAIN AT LEAST 40 PERCENT SOIL PASSING THE 3/4 - INCH SIEVE (BY WEIGHT) AND AT LEAST 20% SOIL PASSING THE NO. 4 SIEVE (BY WEIGHT)

2. CONTINUOUS OBSERVATION REQUIRED BY GEOCON DURING ROCK PLACEMENT.

ROCK PLACEMENT DETAIL

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Plotted:06/15/2022 7:41AM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2746-32-02 Oak Knoll\DETAILS\Rock Placement Detail.dwg

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The initial field investigation was performed on May 28, 2021, and consisted of a visual site reconnaissance and drilling 10 air-track borings in anticipated cut areas. On May 18, 2022, eleven exploratory trenches were excavated to evaluate the thickness and condition of surficial soils requiring remedial grading. The approximate locations of the exploratory trenches and air-track borings are shown on the Geologic Map, Figure 2.

The exploratory trenches were performed using a John Deere 310L rubber tire backhoe equipped with a 24-inch-wide bucket. We collected bulk soil samples for laboratory testing. The air-track borings were advanced using an Ingersoll-Rand ECM 490 drill rig with 4-inch diameter bit.

The soil conditions encountered in the excavations were visually classified and logged in general accordance with American Society for Testing and Materials (ASTM) practice for Description and Identification of Soils (Visual Manual Procedure D 2844) and, where applicable, in general conformance with current Caltrans Soil and Rock Logging, Classification and Presentation Manual. Logs of the backhoe trenches depicting the soil and geologic conditions encountered and the depth at which samples were obtained are presented on Figures A-1 through A-11. Air-track boring logs are presented as Figures A-12 through A-21.

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 1 ELEV. (MSL.) 446' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0	T1-1			GC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist to damp, brown, Clayey to Silty GRAVEL with cobble; some granodiorite boulders, abundant debris			
2								
4					-Layer of asphalt concrete (deteriorated)			
6	T1-2		▽	GP	-Groundwater at 6 feet **ALLUVIUM (Qal)** Very loose, wet, dark brown to gray, fine- to coarse-grained Sandy GRAVEL with cobble; some silt and clay			
8					PRACTICAL REFUSAL AT 8 FEET DUE TO CAVING Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-1,
Log of Trench T 1, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 2 ELEV. (MSL.) 447' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, damp, brown, fine- to coarse-grained Clayey SAND			
2	T2-1			CL	**TERRACE DEPOSITS (Qt)** Medium stiff, moist, dark brown to reddish brown, fine- to coarse-grained Sandy CLAY; trace gravel			
4	T2-2			GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble; oxidized, clasts of stadium conglomerate			
6								
8			▽		-Groundwater at 8 feet			
10					-wet; more cobble and boulders			
12				CL	**FRIARS FORMATION (Tf)** Stiff to very stiff, moist, greenish gray, fine grained Silty CLAYSTONE; moderately cemented/indurated			
					TRENCH TERMINATED AT 12.5 FEET Groundwater encountered at 8 feet Backfilled with spoils			

Figure A-2,
Log of Trench T 2, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 3 ELEV. (MSL.) 447' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, damp, brown, fine- to coarse-grained Clayey SAND with gravel; some debris			
2				CL	**TERRACE DEPOSITS (Qt)** Medium stiff to stiff, moist, dark reddish brown, fine- to coarse-grained Sandy CLAY; trace gravel			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble; consist of predominantly stadium conglomerate; oxidized			
6								
8					-Zone of mottling/heavier oxidation			
10			▽		-Groundwater at 11 feet			
12					-wet; more cobble and boulders			
14				CL	**FRIARS FORMATION (Tf)** Stiff to hard, wet, greenish gray, fine grained Silty CLAYSTONE			
					TRENCH TERMINATED AT 15 FEET Groundwater encountered at 11 feet Backfilled with spoils			

Figure A-3,
Log of Trench T 3, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 4 ELEV. (MSL.) 449' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist, brown, fine to coarse Clayey SAND; trace gravel			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, reddish brown, fine to coarse Sandy CLAY; trace gravel; precipitates and oxidation			
4								
6				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately indurated/cemented			
8					TRENCH TERMINATED AT 8 FEET Groundwater not encountered Backfilled with spoils			

Figure A-4,
Log of Trench T 4, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 5 ELEV. (MSL.) 451' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC	**UNDOCUMENTED FILL (Qudf)** Loose to medium dense, moist, brown, fine to coarse Clayey SAND			
2	T5-1			CL	**TERRACE DEPOSITS (Qt)** Stiff, damp to moist, dark brown to reddish brown, fine- to coarse-grained Sandy CLAY			
4								
6	T5-2		▽	GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized, some cobble -Groundwater at 6 feet			
8				CL	**FRIARS FORMATION (Tf)** Very stiff to stiff, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately cemented/indurated			
10					TRENCH TERMINATED AT 10 FEET Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-5,
Log of Trench T 5, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 6 ELEV. (MSL.) 452' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp, brown, fine- to coarse-grained Clayey SAND; debris			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, reddish brown, fine- to coarse-grained Sandy CLAY			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized			
6								
8			▽		-Groundwater at 9 feet			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; moderately cemented/indurated, manganese staining			
					TRENCH TERMINATED AT 11 FEET Groundwater encountered at 9 feet Backfilled with spoils			

Figure A-6,
Log of Trench T 6, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 7 ELEV. (MSL.) 453' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				CL	**UNDOCUMENTED FILL (Qudf)** Stiff, dry, dark gray, fine- to coarse-grained Sandy CLAY			
2				CL	**TERRACE DEPOSITS (Qt)** Stiff, moist, mottled light gray to gray, fine grained Sandy CLAY			
4					-Becomes medium stiff			
6			▽		-Groundwater at 6 feet			
				GC	Medium dense, wet, reddish brown, fine- to coarse-grained Clayey GRAVEL			
8				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained Silty CLAYSTONE; manganese staining, moderately cemented/indurated			
10					TRENCH TERMINATED AT 10 FEET Groundwater encountered at 6 feet Backfilled with spoils			

Figure A-7,
Log of Trench T 7, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 8 ELEV. (MSL.) 453' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GC	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, brown, fine- to coarse-grained Clayey SAND with gravel			
2	T8-1			SC	**TERRACE DEPOSITS (Qt)** Very stiff, , moist, gray, fine- to coarse-grained Sandy CLAY; precipitates			
4				GC	Medium dense, moist, reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble			
6			▽		-Groundwater at 6.5 feet			
8					-More cobbles			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, greenish gray, fine grained CLAYSTONE; manganese staining			
					TRENCH TERMINATED AT 11.5 FEET Groundwater encountered at 6.5 feet Backfilled with spoils			

Figure A-8,
Log of Trench T 8, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 9 ELEV. (MSL.) 457' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				GC	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, dark brown, fine- to coarse-grained Clayey GRAVEL			
2				GC	**TERRACE DEPOSITS (Qt)** Medium dense, moist, light brown to reddish brown, fine- to coarse-grained Clayey GRAVEL; oxidized			
4								
6								
8			▽		-Seepage at 8 feet -Becomes wet -More cobble			
10				CL	**FRIARS FORMATION (Tf)** Very stiff to hard, moist, yellowish gray, fine-to coarse-grained Sandy Silty CLAYSTONE; moderately cemented/indurated, oxidized/mottled			
12					TRENCH TERMINATED AT 12 FEET Seepage encountered at 8 feet Backfilled with spoils			

Figure A-9,
Log of Trench T 9, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

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GEOCON

PROJECT NO. G2746-32-02

TRENCH T 10

ELEV. (MSL.) **459'** DATE COMPLETED **05-18-2022**

EQUIPMENT **310L RUBBER TIRE BACKHOE** BY: **DJM**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, dry, light brown, fine- to coarse-grained Clayey SAND			
	T10-1			SC	**COLLUVIUM (Qcol)** Medium dense, moist to damp, reddish brown, fine- to coarse-grained Clayey SAND; manganese staining, oxidized, moderately cemented, pinhole porosity			
2								
4								
6								
8								
10			▽		-Seepage at 11 feet			
				GC	**TERRACE DEPOSITS (Qt)** Dense, wet, gray to reddish brown, fine- to coarse-grained Clayey GRAVEL with cobble			
12								
					REFUSAL AT 13 FEET DUE TO GRAVEL AND DIORITE Seepage encountered at 11 feet Backfilled with spoils			

Figure A-10,
Log of Trench T 10, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

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GEOCON

PROJECT NO. G2746-32-02

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TRENCH T 11 ELEV. (MSL.) 461' DATE COMPLETED 05-18-2022 EQUIPMENT 310L RUBBER TIRE BACKHOE BY: DJM	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp, dark brown, Clayey SAND with gravel; some debris			
2	T11-1			SM	**COLLUVIUM (Qcol)** Medium dense, dry, brown to light brown, fine- to coarse-grained Silty SAND; some gravel, pinhole porosity			
4								
6								
8			▽		-Groundwater at 9 feet -More gravel and cobble			
	T11-2				**GRANODIORITE (Kgd)** Highly weathered, strong, gray to yellowish brown, GRANODIORITE; moderately decomposed			
10					TRENCH TERMINATED AT 10.5 FEET Groundwater encountered at 9 feet Backfilled with spoils			

Figure A-11,
Log of Trench T 11, Page 1 of 1

G2746-32-02.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ▽ ... WATER TABLE OR ▽ ... SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. G2746-32-02

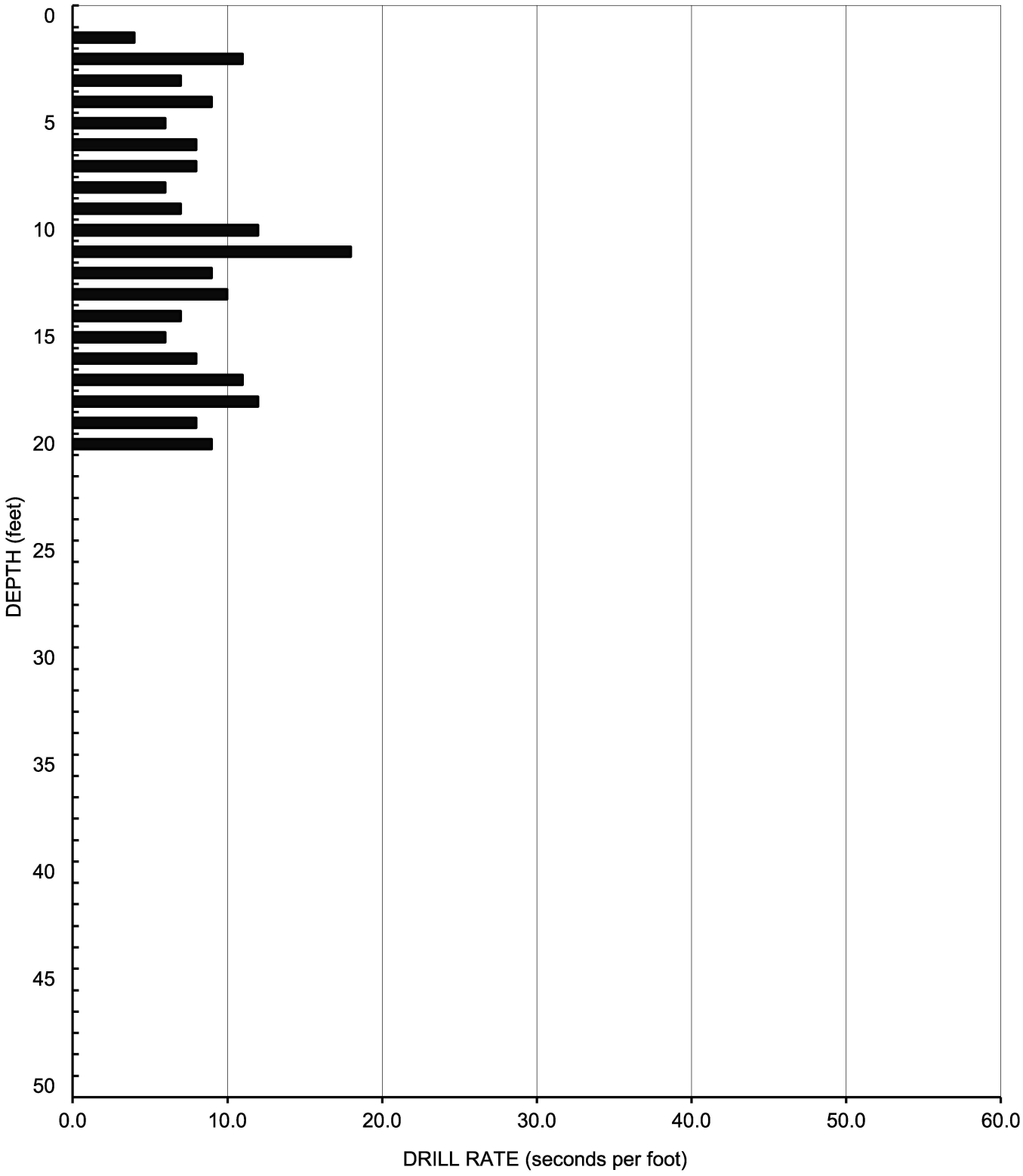
OAK KNOLL - POWAY

AIR TRACK BORING AT-1

Elevation - 475 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON
INCORPORATED



AT01.xls

FIGURE A-12

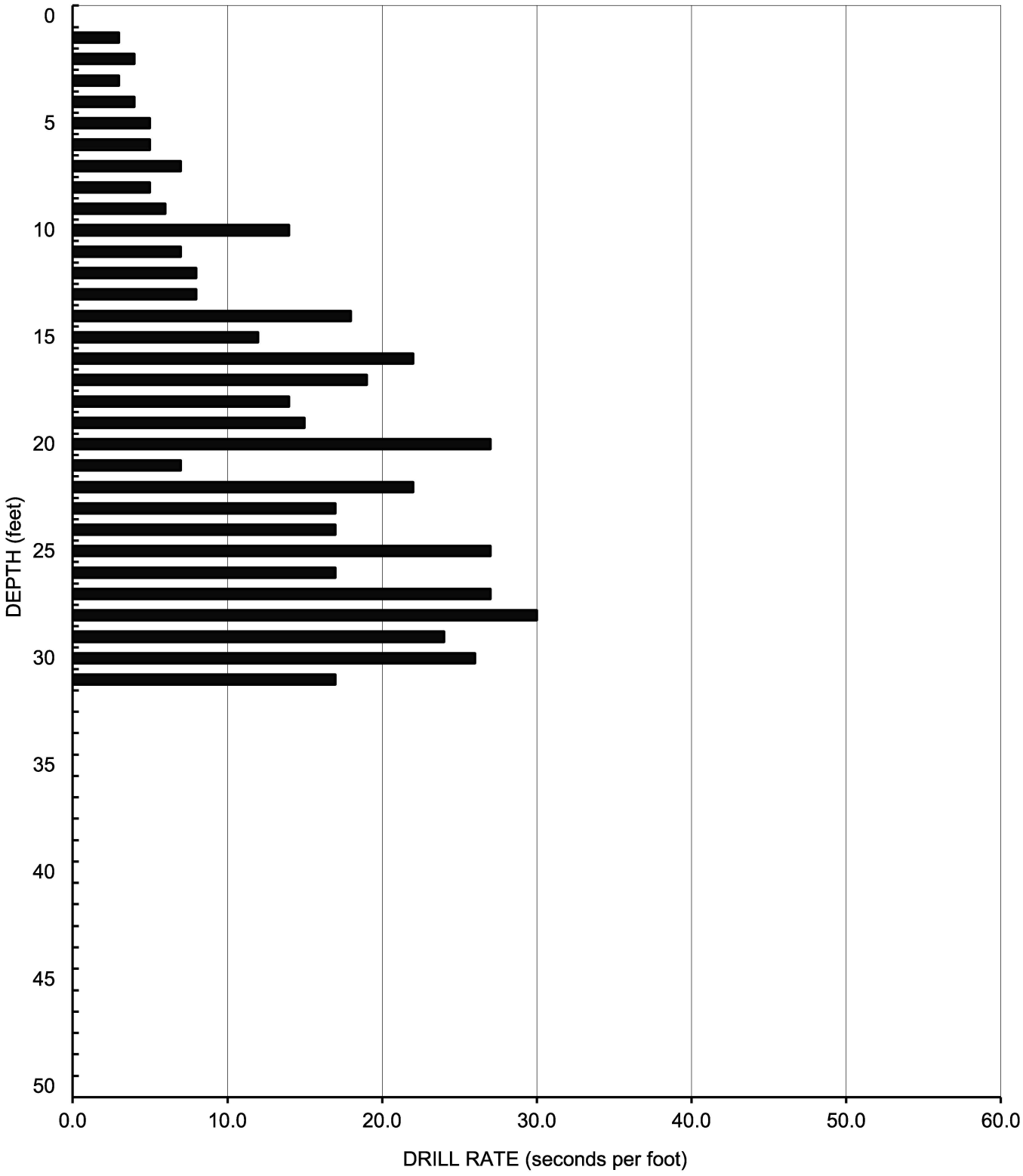
OAK KNOLL - POWAY

AIR TRACK BORING AT-2

Elevation - 485 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON
INCORPORATED



AT02.xls

FIGURE A-13

PROJECT NO. G2746-32-02

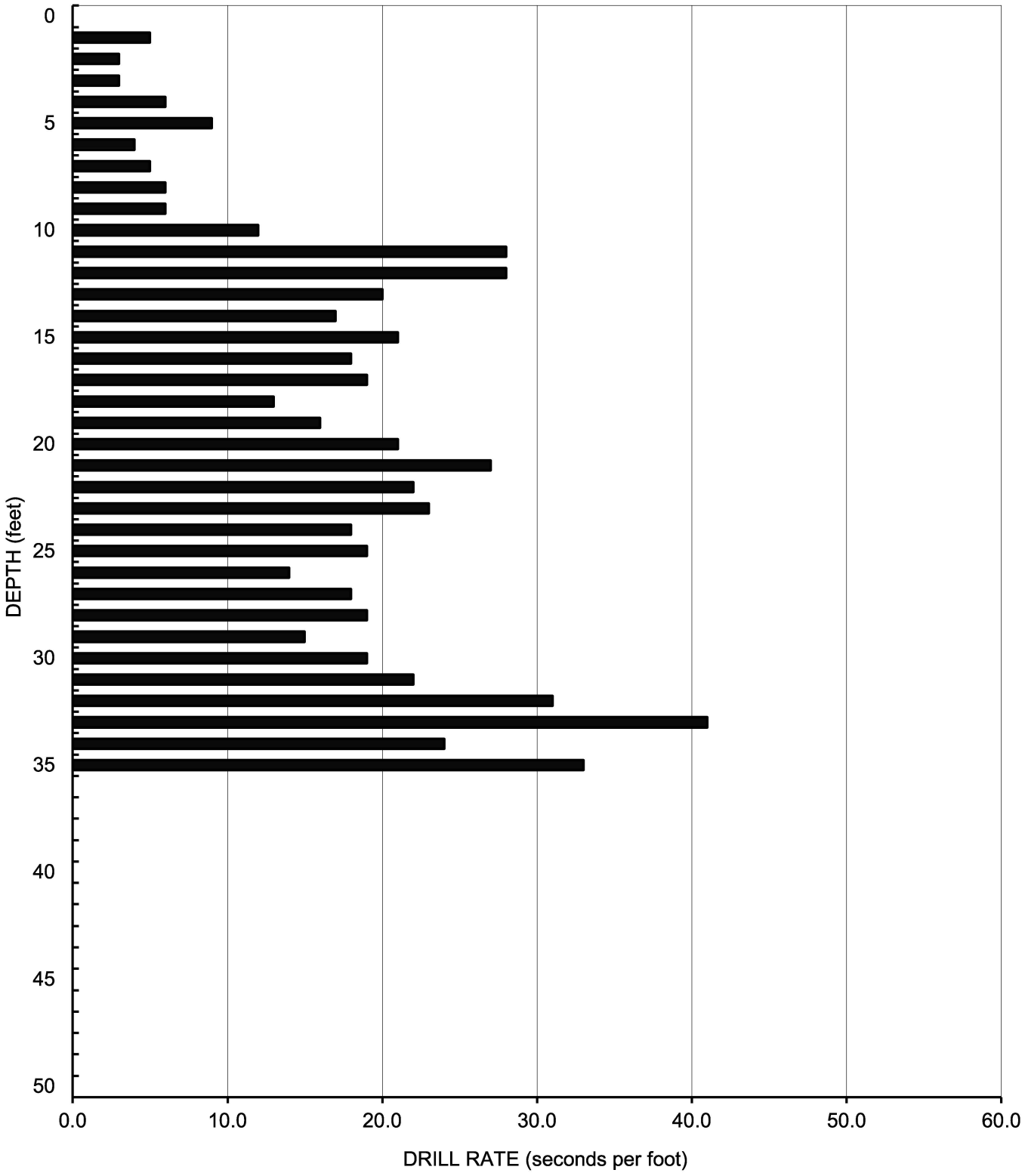
OAK KNOLL - POWAY

AIR TRACK BORING AT-3

Elevation - 492 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT03.xls

FIGURE A-14

PROJECT NO. G2746-32-02

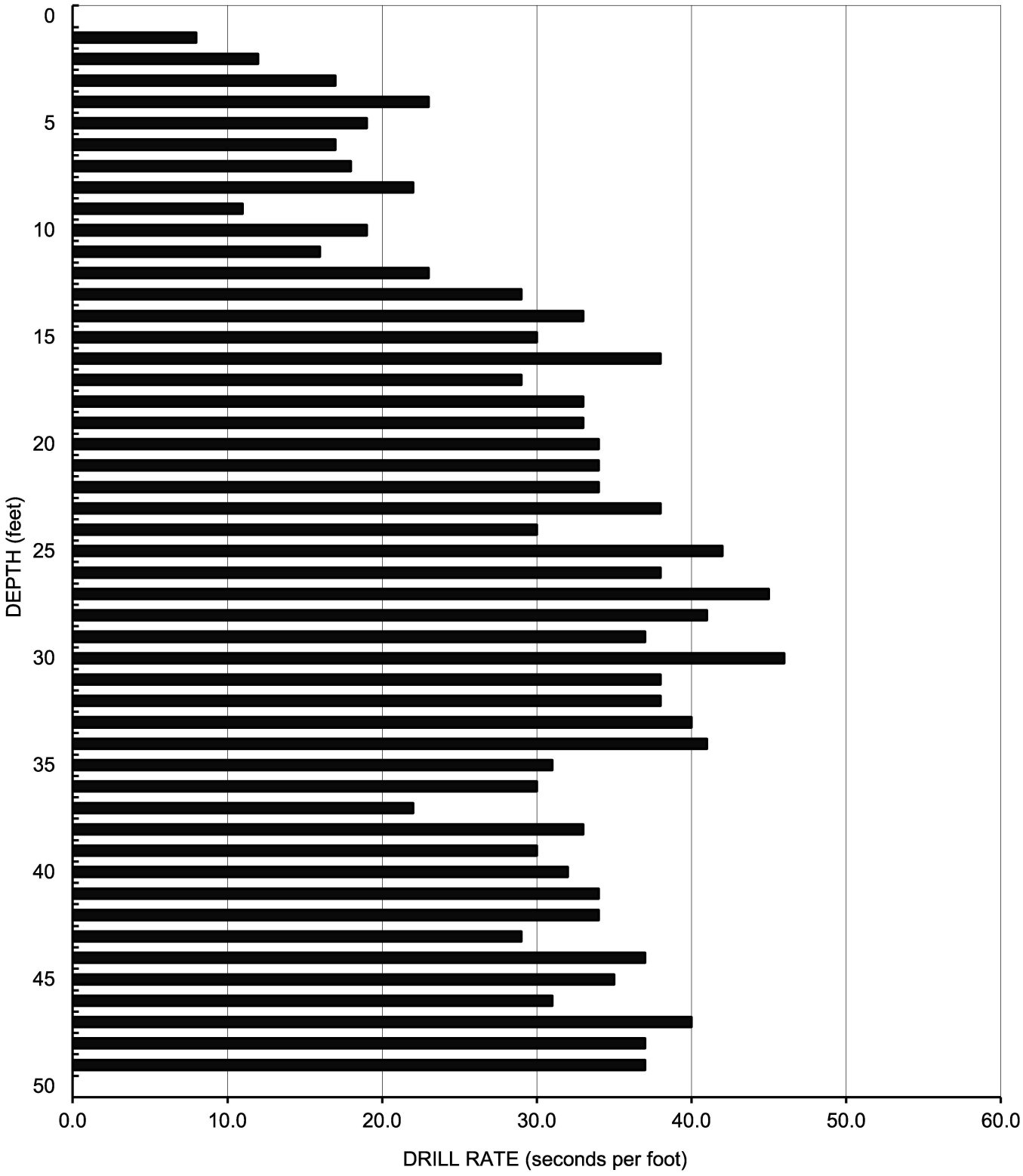
OAK KNOLL - POWAY

AIR TRACK BORING AT-4

Elevation - 499 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON
INCORPORATED



AT04.xls

FIGURE A-15

PROJECT NO. G2746-32-02

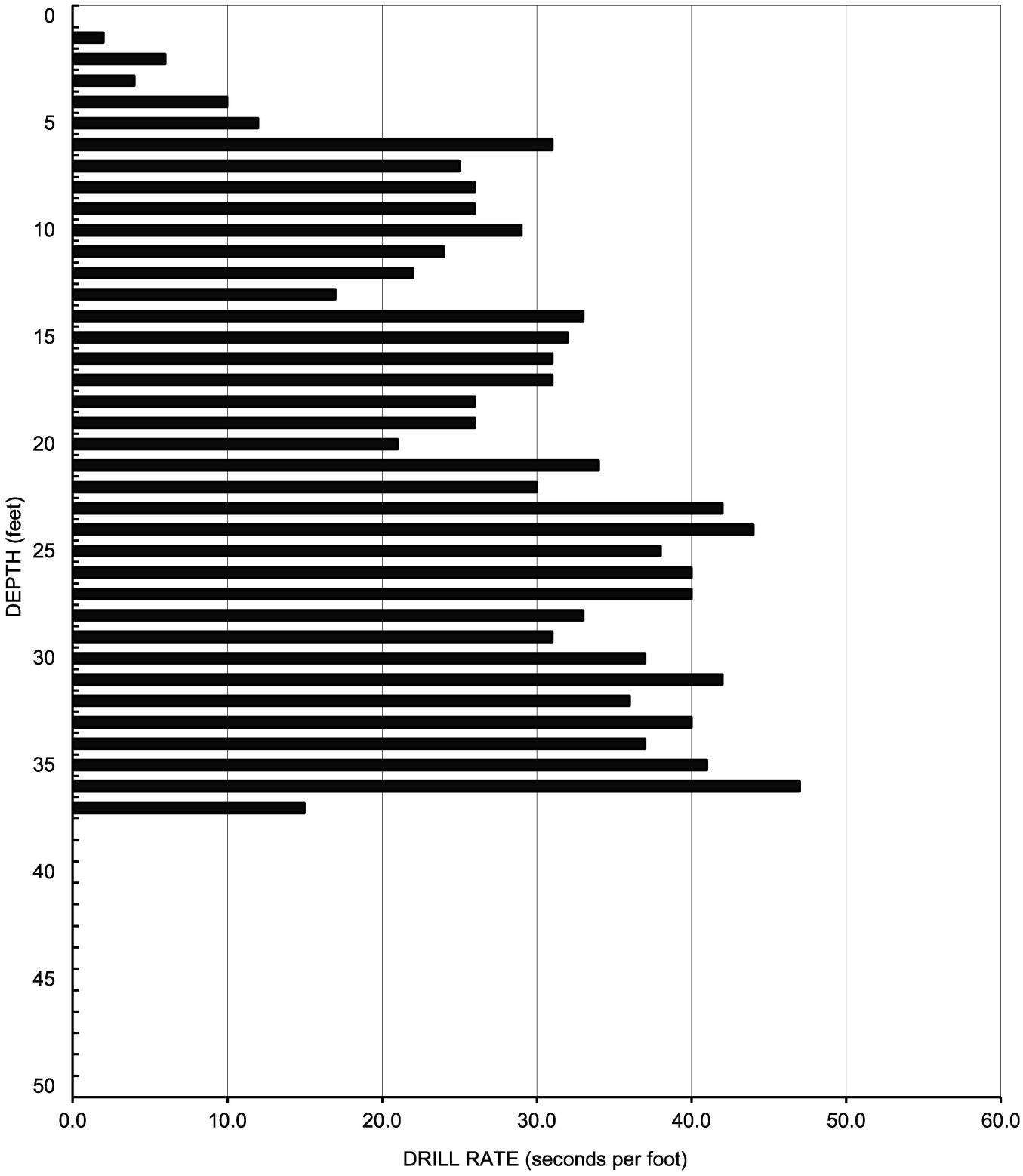
OAK KNOLL - POWAY

AIR TRACK BORING AT-5

Elevation - 490 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT05.xls

FIGURE A-16

PROJECT NO. G2746-32-02

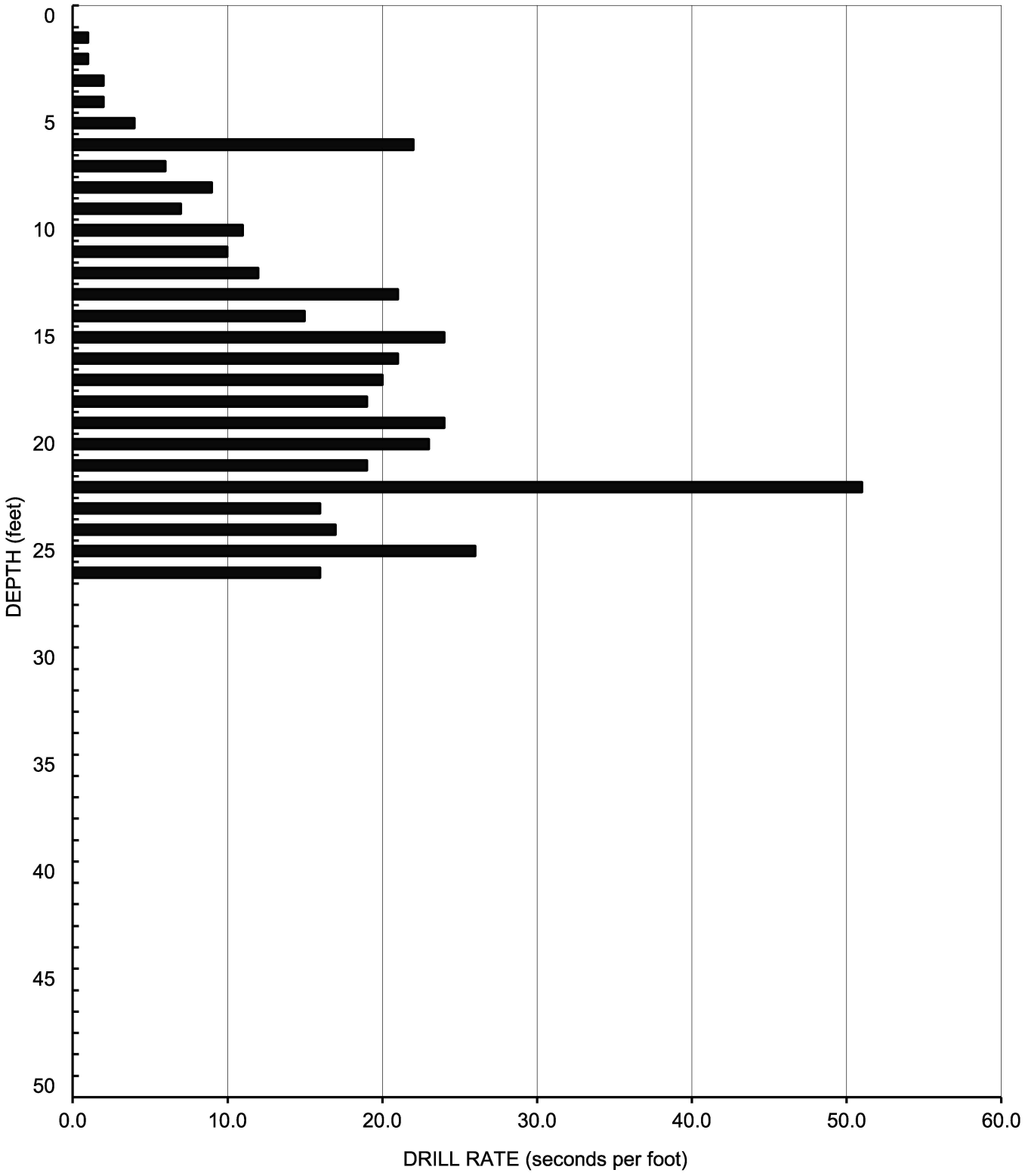
OAK KNOLL - POWAY

AIR TRACK BORING AT-6

Elevation - 482 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON
INCORPORATED



AT06.xls

FIGURE A-17

PROJECT NO. G2746-32-02

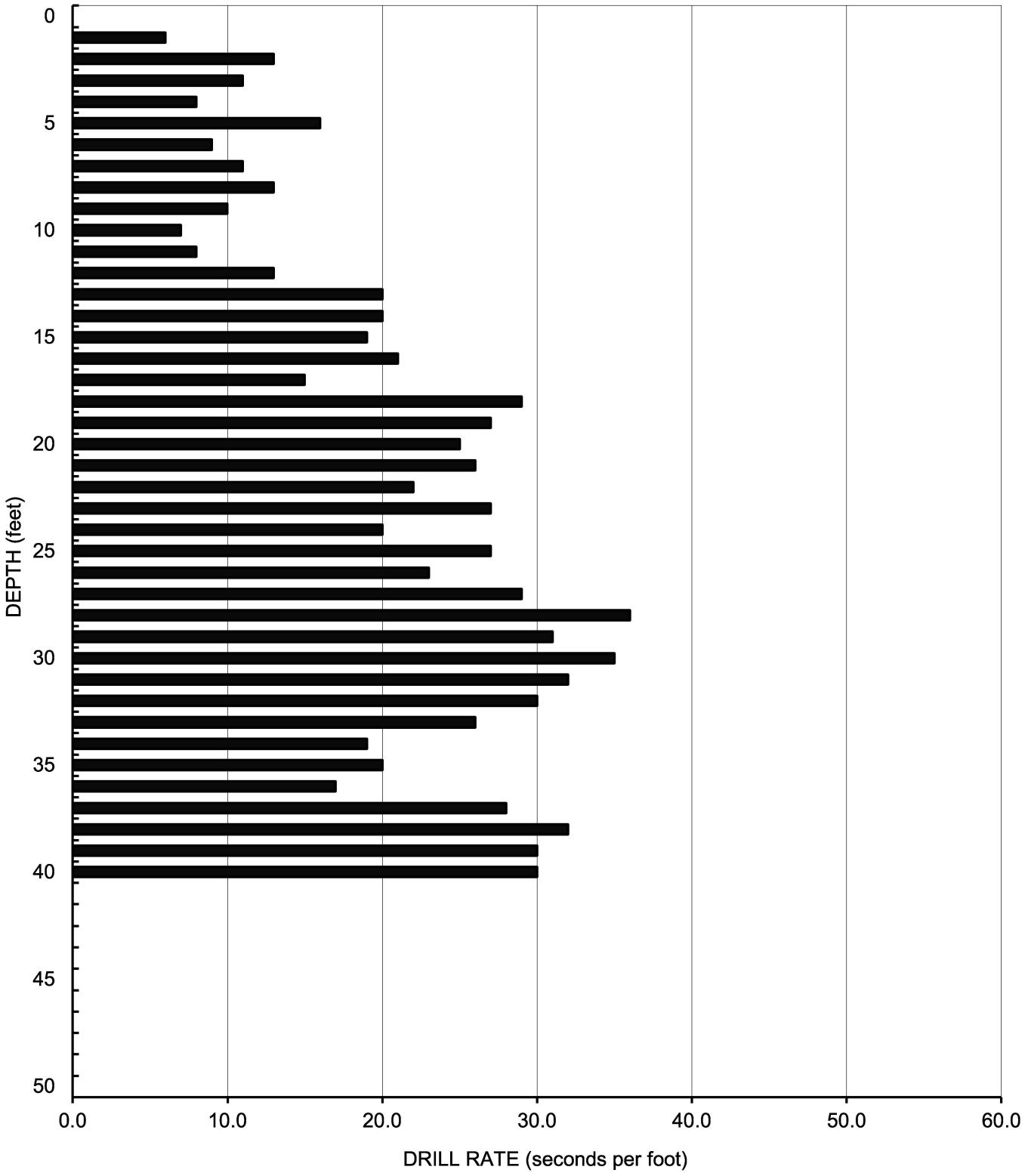
OAK KNOLL - POWAY

AIR TRACK BORING AT-7

Elevation - 493 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT07.xls

FIGURE A-18

PROJECT NO. G2746-32-02

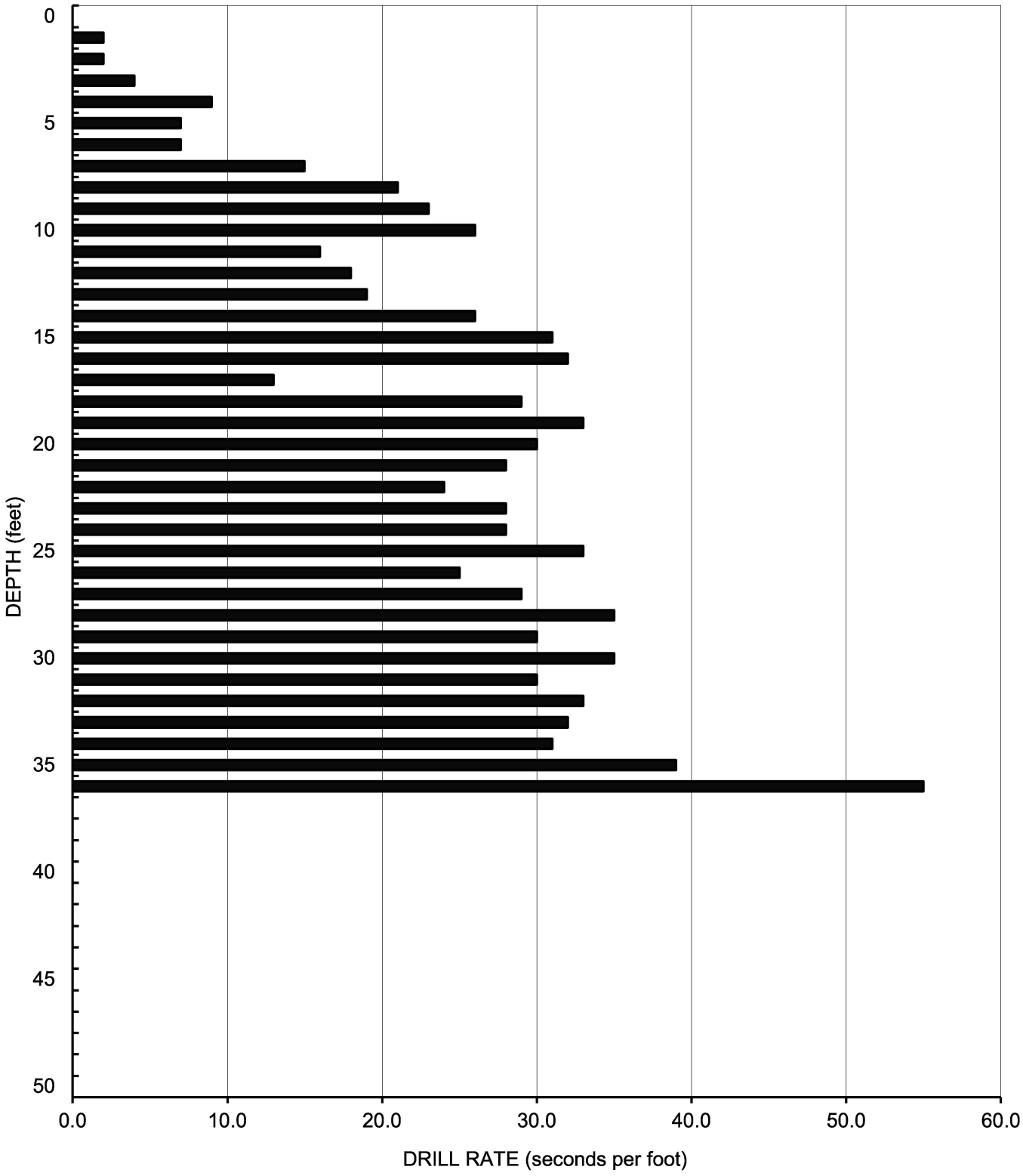
OAK KNOLL - POWAY

AIR TRACK BORING AT-8

Elevation - 488 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT08.xls

FIGURE A-19

PROJECT NO. G2746-32-02

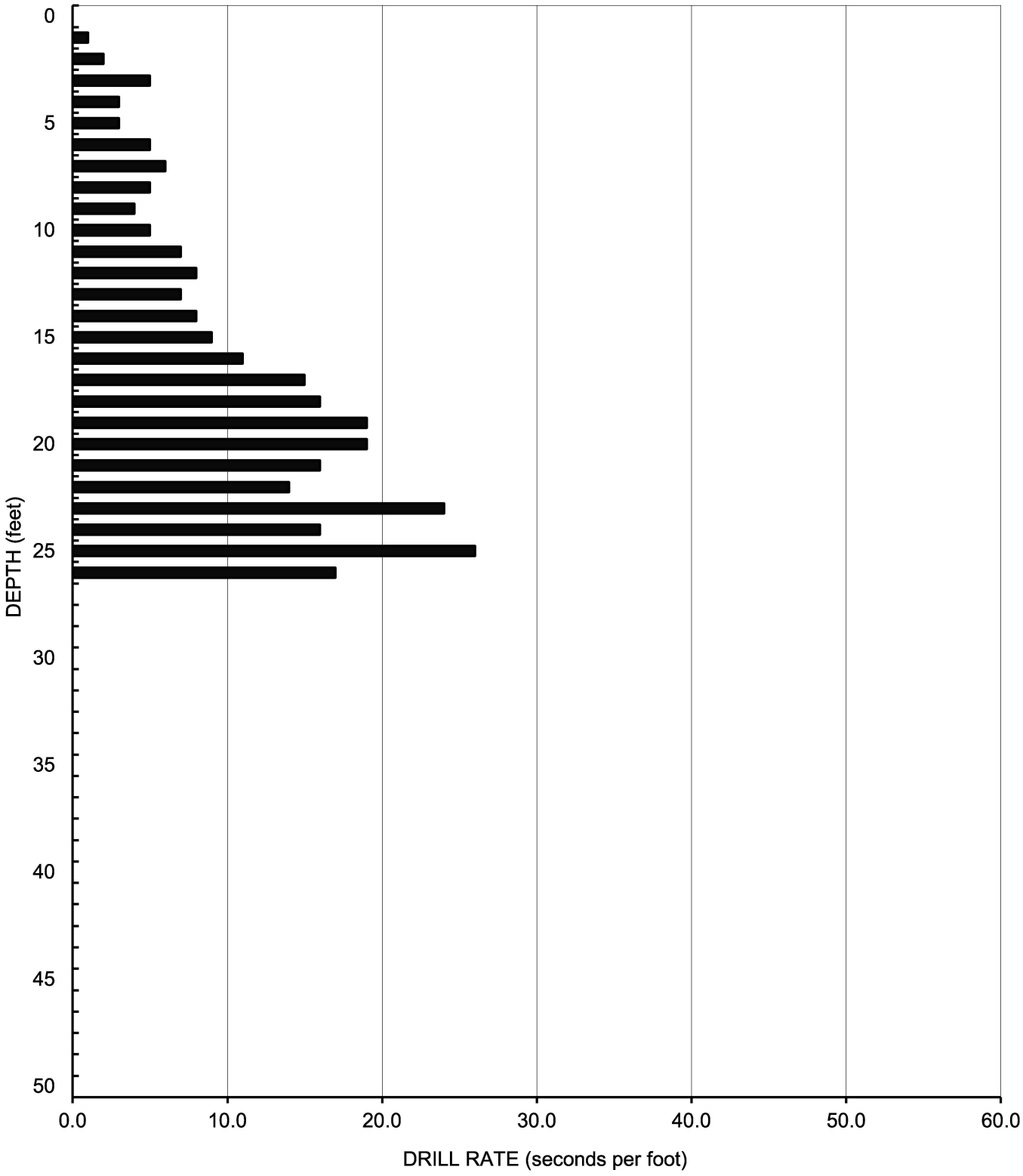
OAK KNOLL - POWAY

AIR TRACK BORING AT-9

Elevation - 480 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON
INCORPORATED



AT09.xls

FIGURE A-20

PROJECT NO. G2746-32-02

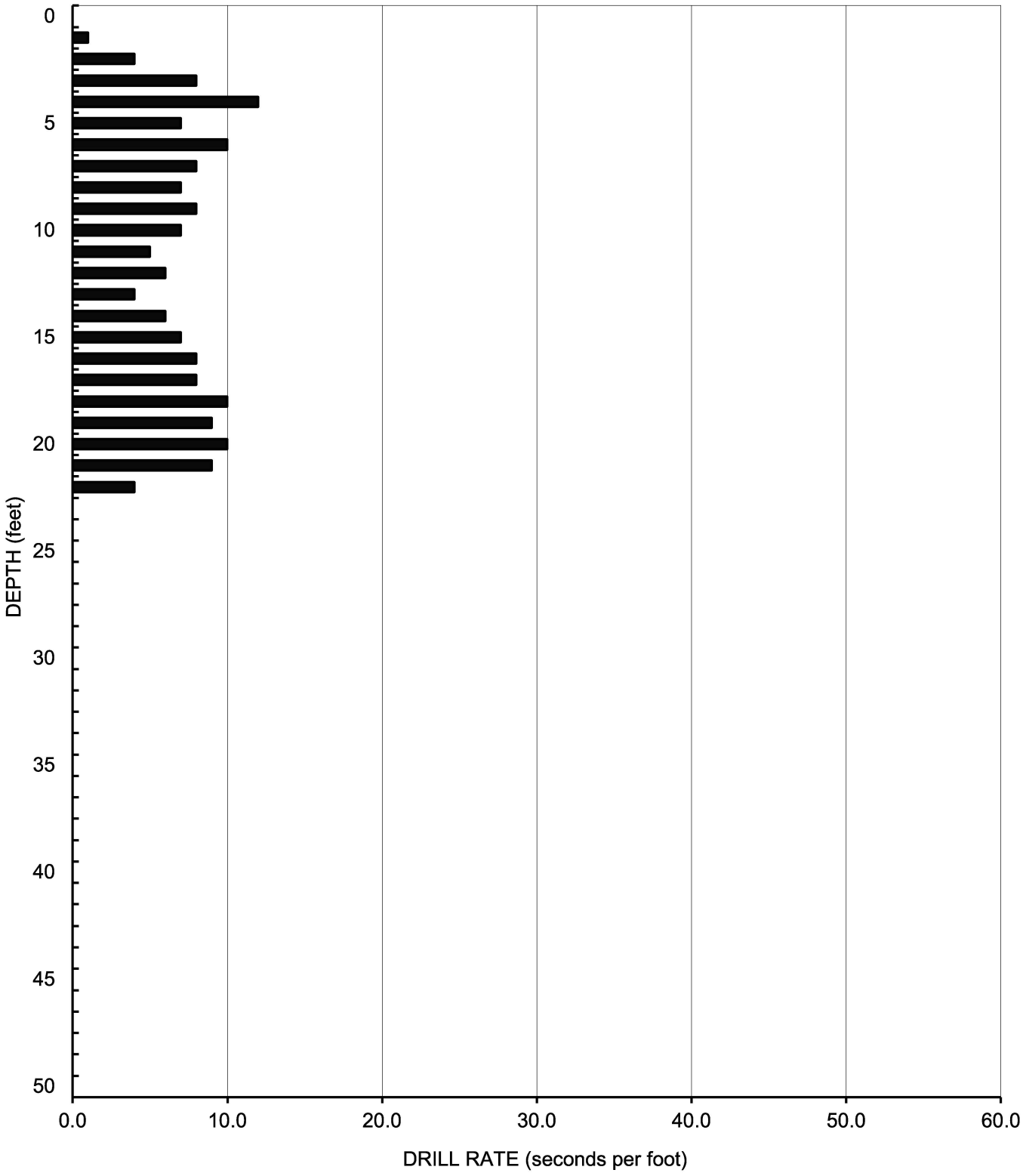
OAK KNOLL - POWAY

AIR TRACK BORING AT-10

Elevation - 472 Feet (MSL)

Date 05-28-2021 - Equipment: 4-Inch Dia ECM-490

GEOCON INCORPORATED



AT10.xls

FIGURE A-21

APPENDIX B

APPENDIX B

LABORATORY TESTING

We performed laboratory testing on select soil samples in accordance with generally accepted test methods of the American Society for Testing and Materials (ASTM) or other suggested procedures.

Selected disturbed bulk samples were tested for maximum dry density and optimum moisture content, shear strength characteristics, expansion potential, and water-soluble sulfate content. The results of our laboratory tests are presented in Tables B-1 through B-IV.

TABLE B-I
SUMMARY OF LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT TEST RESULTS ASTM D 1557

Sample No.	Description	Maximum Dry Density (pcf)	Optimum Moisture Content (% dry wt.)
T1-1	Brown, Silty/Clayey SAND with gravel and cobble (includes 14 percent rock correction)	137.3	6.7
T5-1/T8-1	Dark brown, Sandy CLAY with trace gravel	123.5	11.4
T10-1/T11-1	Reddish-brown, Silty/Clayey, fine to medium SAND	130.0	9.0
T11-2	Light brown, Silty, fine to medium SAND with trace gravel	134.2	8.3

TABLE B-II
SUMMARY OF LABORATORY DIRECT SHEAR TEST RESULTS ASTM D 3080

Sample No.*	Dry Density (pcf)	Moisture Content (%)		Unit Cohesion (psf) Peak	Angle of Shear Resistance (degrees)
		Initial	Final		
T1-1	120.6	8.0	12.6	450	33
T5-1/T8-1	109.6	13.0	23.8	300	26
T10-1/T11-1	116.8	9.3	13.9	580	30
T11-2	121.5	8.0	13.0	490	33

*Soil samples remolded to 90 percent of laboratory maximum dry density at near optimum moisture content. Ultimate values are shown.

TABLE B-III
SUMMARY OF LABORATORY EXPANSION INDEX TEST RESULTS
ASTM D 4829

Sample No.	Moisture Content (%)		Dry Density (pcf)	Expansion Index	ASTM Classification (per 2019 CBC)
	Before Test	After Test			
T1-1	7.6	15.2	118.8	61	Medium
T5-1/T8-1	10.9	26.2	105.7	112	High
T10-1/T11-1	8.6	15.3	115.1	3	Very Low

TABLE B-IV
SUMMARY OF LABORATORY WATER-SOLUBLE SULFATE TEST RESULTS
CALIFORNIA TEST NO. 417

Sample No.	Water-Soluble Sulfate (%)	Sulfate Exposure Class*	Exposure Rating (severity)
T1-1	0.012	Not Applicable	S0
T5-1/T8-1	0.035	Not Applicable	S0

*Reference: Table 4.2.1, ACI 318 report.

APPENDIX C

APPENDIX C

STORM WATER MANAGEMENT

FOR

OAK KNOLL
POWAY, CALIFORNIA

PROJECT NO. G2746-32-02

APPENDIX C

STORM WATER MANAGEMENT INVESTIGATION

We understand storm water management devices are being proposed in accordance with the *2016 City of Poway BMP Design Manual,* commonly referred to as the *Storm Water Standards* (SWS). If not properly constructed, there is a potential for distress to improvements and properties located hydrologically down gradient or adjacent to these devices. Factors such as the amount of water to be detained, its residence time, and soil permeability have an important effect on seepage transmission and the potential adverse impacts that may occur if the storm water management features are not properly designed and constructed. We have not performed a hydrogeological study at the site. If infiltration of storm water runoff occurs, downstream properties may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other undesirable impacts as a result of water infiltration.

Hydrologic Soil Group

The United States Department of Agriculture (USDA), Natural Resources Conservation Services, possesses general information regarding the existing soil conditions for areas within the United States. The USDA website also provides the Hydrologic Soil Group. Table C-1 presents the descriptions of the hydrologic soil groups. In addition, the USDA website also provides an estimated saturated hydraulic conductivity for the existing soil.

TABLE C-1
HYDROLOGIC SOIL GROUP DEFINITIONS

Soil Group	Soil Group Definition
A	Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
B	Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.
C	Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
D	Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high-water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

The northern property is underlain by three units identified as Cieneba rocky coarse sandy loam (CmE2), Olivehain cobbly loam (OhC), and Placentia sandy loam (PfC). Table C-2A presents the information from the USDA NRCS website for the subject property.

TABLE C-2A
USDA WEB SOIL SURVEY – HYDROLOGIC SOIL GROUP (NORTH PROPERTY)

Map Unit Name	Map Unit Symbol	Approximate Percentage of Property	Hydrologic Soil Group	k_{SAT} of Most Limiting Layer (inches/hour)
Cieneba rocky coarse sandy loam	CmE2	1	D	1.98 – 5.95
Olivehain cobbly loam	OhC	20	D	0.0 – 0.06
Placentia sandy loam	PfC	79	D	0.0 – 0.06

The southern property is underlain by Placentia sandy loam (PfC) and Visalia sandy loam (VaA). Table C-2B presents the information from the USDA NRCS website for the subject property.

TABLE C-2B
USDA WEB SOIL SURVEY – HYDROLOGIC SOIL GROUP (SOUTH PROPERTY)

Map Unit Name	Map Unit Symbol	Approximate Percentage of Property	Hydrologic Soil Group	k_{SAT} of Most Limiting Layer (inches/hour)
Placentia sandy loam	PfC	73	D	0.0 – 0.06
Visalia sandy loam	VaA	27	A	1.98 – 5.95

In-Situ Testing

The infiltration rate, percolation rates and saturated hydraulic conductivity are different and have different meanings. Percolation rates tend to overestimate infiltration rates and saturated hydraulic conductivities by a factor of 10 or more. Table C-3 describes the differences in the definitions.

TABLE C-3
SOIL PERMEABILITY DEFINITIONS

Term	Definition
Infiltration Rate	The observation of the flow of water through a material into the ground downward into a given soil structure under long term conditions. This is a function of layering of soil, density, pore space, discontinuities and initial moisture content.
Percolation Rate	The observation of the flow of water through a material into the ground downward and laterally into a given soil structure under long term conditions. This is a function of layering of soil, density, pore space, discontinuities and initial moisture content.
Saturated Hydraulic Conductivity (k_{SAT}, Permeability)	The volume of water that will move in a porous medium under a hydraulic gradient through a unit area. This is a function of density, structure, stratification, fines content and discontinuities. It is also a function of the properties of the liquid as well as of the porous medium.

The degree of soil compaction or in-situ density has a significant impact on soil permeability and infiltration. Based on our experience and other studies we performed, an increase in compaction results in a decrease in soil permeability.

We performed one constant head, borehole Infiltration Test, I-1, at location shown on the attached Geologic Map, Figure 2. The test boring was 4 inches in diameter. The results of the tests provide parameters for the saturated hydraulic conductivity characteristics of on-site soil and geologic units. Table C-4 presents the results of the estimated field saturated hydraulic conductivity and estimated infiltration rates obtained from the borehole percolation test. The test results are also attached herein. We applied a feasibility factor of safety of 2 to the field results for use in preparation of Worksheet C.4-1. The results of the testing indicate adjusted soil infiltration rates of 0.0 inches per hour after applying a Factor of Safety of 2.

TABLE C-4
FIELD PERMEAMETER INFILTRATION TEST RESULTS

Test No.	Geologic Unit	Test Depth (feet)	Field-Saturated Hydraulic Conductivity, k_{sat} (inch/hour)	Worksheet[1] Saturated Hydraulic Conductivity, k_{sat} (inch/hour)
I-1	Qt	2.7	0.071	0.036

[1] Using a factor of safety of 2 for Worksheet C.4-1.

STORM WATER MANAGEMENT CONCLUSIONS

The Geologic Map, Figure 2, depicts the existing property, proposed development, the approximate lateral limits of the geologic units, the locations of the field excavations and the in-situ infiltration test locations.

Soil Types

Proposed Compacted Fill – Compacted fill will be placed across the entire property during site development. Proposed remedial grading will consist of removing the surficial soils and replacement as compacted fill. The proposed storm water BMP's will be founded in compacted fill placed above Friars Formation or granitic rock. The compacted fill will be comprised of on-site sandy clay and clayey gravel. The fill will be compacted to a dry density of at least 90 percent of the laboratory maximum dry density. In our experience, compacted fill does not possess infiltration rates appropriate for infiltration BMP's. Hazards that occur as a result of fill soil saturation include a potential for hydro-consolidation of the granular fill soils, heaving of expansive soils, long term fill settlement, differential fill settlement, and lateral movement associated with saturated fill relaxation. The potential for lateral water migration to adversely impact existing or proposed structures, foundations, utilities, and roadways, is high. Therefore, full infiltration should be considered infeasible.

Section D.4.2 of the *2016 Storm Water Standards* (SWS) provides a discussion regarding fill materials used for infiltration. The SWS states:

- *For engineered fills, infiltration rates may still be quite uncertain due to layering and heterogeneities introduced as part of construction that cannot be precisely controlled.* Due to these uncertainties, full and partial infiltration should be considered geotechnically infeasible and liners and subdrains should be used in areas where infiltration BMP's are founded in compacted fill.

- *Where possible, infiltration BMPs on fill material should be designed such that their infiltrating surface extends into native soils*. Full and partial infiltration should be considered geotechnically infeasible within the compacted fill and liners and subdrains should be used. If the infiltration BMP's extended below the compacted fill, partial infiltration may be feasible.

- *Because of the uncertainty of fill parameters as well as potential compaction of the native soils, an infiltration BMP may not be feasible.* Therefore, full infiltration should be considered geotechnically infeasible. Partial infiltration may be feasible if the infiltration BMP extends below the compacted fill.

Infiltration Rates

The results of the infiltration test (including the feasibility factor of safety of 2) obtained within the Terrace Deposits was 0.036 inches per hour (iph). Based on the results of the infiltration testing, the test does not meet the minimum threshold for full or partial infiltration; therefore, full and partial infiltration is considered infeasible.

Groundwater Elevations

Groundwater was encountered during the field investigation and is expected to be a constraint.

Soil or Groundwater Contamination

Based on our review of the Geotracker website, no soil contamination exists or is known to exist on-site.

New or Existing Utilities

Existing utilities are present within right of ways adjacent to the existing streets, generally beneath public sidewalks and roadways. Full infiltration near existing or proposed utilities should be avoided to prevent lateral water migration into the permeable trench backfill materials. Any infiltration BMP's should be setback at least 10 feet from closest utility.

Existing and Planned Structures

Proposed storm water BMP's are shown throughout the development. Any proposed storm water BMP's adjacent to existing or proposed structures should include a horizontal setback of at least 10 feet.

Slopes

The northern property moderately to steeply slopes to the south. Proposed cut and fill slopes of approximately 30 feet and 4 feet high, respectively, are proposed. Proposed storm water BMP's adjacent to existing or proposed cut and fill slopes should include a horizontal setback of H and 1.5H, respectively. For example, considering a 30 foot high cut slope and 4 foot high fill slope, a horizontal setback of 30 feet and 6 feet, respectively, should be used.

Recommendations

Due to the low infiltration rate obtained in the Terrace Deposits, and considering the entire site will be underlain with compacted fill over dense granitic rock or hard Friars Formation, full and partial infiltration of storm water is considered geotechnically infeasible and the proposed development exhibits a "*No Infiltration*" condition. Liners and subdrains should be incorporated into the design and construction of the planned storm water devices. The liners should be impermeable (e.g. High-density polyethylene, HDPE, with a thickness of about 30 mil or equivalent Polyvinyl Chloride, PVC) to prevent water migration. The subdrains should be perforated within the liner area, installed at the base and above the liner, be at least 4 inches in diameter and consist of Schedule 40 PVC pipe. The subdrains outside of the liner should consist of solid pipe. Seams and penetrations of the liners should be properly waterproofed. The subdrains should be connected to a proper outlet. The devices should also be installed in accordance with the manufacturer's recommendations.

Storm Water Standard Worksheets

The SWS requests the geotechnical engineer complete the *Categorization of Infiltration Feasibility Condition* (Worksheet C.4-1 or I-8) worksheet information to help evaluate the potential for infiltration on the property. The attached Worksheet C.4-1 presents the completed information for the submittal process.

The regional storm water standards also have a worksheet (Worksheet D.5-1 or Form I-9) that helps the project civil engineer estimate the factor of safety based on several factors. Table C-5 describes the suitability assessment input parameters related to the geotechnical engineering aspects for the factor of safety determination.

TABLE C-5
SUITABILITY ASSESSMENT RELATED CONSIDERATIONS
FOR INFILTRATION FACILITY SAFETY FACTORS

Consideration	High Concern – 3 Points	Medium Concern – 2 Points	Low Concern – 1 Point
Assessment Methods	Use of soil survey maps or simple texture analysis to estimate short-term infiltration rates. Use of well permeameter or borehole methods without accompanying continuous boring log. Relatively sparse testing with direct infiltration methods	Use of well permeameter or borehole methods with accompanying continuous boring log. Direct measurement of infiltration area with localized infiltration measurement methods (e.g., Infiltrometer). Moderate spatial resolution	Direct measurement with localized (i.e. small-scale) infiltration testing methods at relatively high resolution or use of extensive test pit infiltration measurement methods.
Predominant Soil Texture	Silty and clayey soils with significant fines	Loamy soils	Granular to slightly loamy soils
Site Soil Variability	Highly variable soils indicated from site assessment or unknown variability	Soil boring/test pits indicate moderately homogenous soils	Soil boring/test pits indicate relatively homogenous soils
Depth to Groundwater/ Impervious Layer	<5 feet below facility bottom	5-15 feet below facility bottom	>15 feet below facility bottom

Based on our geotechnical investigation and the information in Table C-5, Table C-6 presents the estimated factor values for the evaluation of the factor of safety. This table only provides the suitability assessment safety factor (Part A) of the worksheet. The project civil engineer should evaluate the safety factor for design (Part B) and use the combined safety factor for the design infiltration rate.

TABLE D-6
FACTOR OF SAFETY WORKSHEET DESIGN VALUES – PART A[1]

Suitability Assessment Factor Category	Assigned Weight (w)	Factor Value (v)	Product (p = w x v)
Assessment Methods	0.25	3	0.75
Predominant Soil Texture	0.25	3	0.75
Site Soil Variability	0.25	1	0.25
Depth to Groundwater/ Impervious Layer	0.25	2	0.50
Suitability Assessment Safety Factor, $S_A = \sum p$			2.25

[1] The project civil engineer should complete Worksheet D.5-1 or Form I-9 using the data on this table. Additional information is required to evaluate the design factor of safety.

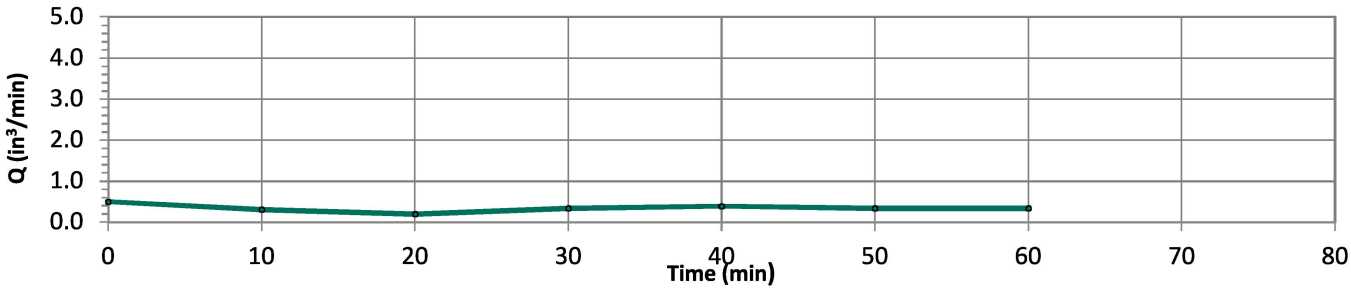
TEST NO.: I-1

GEOLOGIC UNIT: Qt

EXCAVATION ELEVATION (MSL, FT): 449

TEST INFORMATION	
BOREHOLE DIAMETER (IN):	4
BOREHOLE DEPTH (FT):	2.7
TEST/BOTTOM ELEVATION (MSL, FT):	446
MEASURED HEAD HEIGHT (IN):	5.5
CALCULATED HEAD HEIGHT (IN):	5.9
FACTOR OF SAFETY:	2.0

TEST RESULTS	
STEADY FLOW RATE (IN^3/MIN):	**0.332**
FIELD-SATURATED INFILTRATION RATE (IN/HR):	**0.071**
FACTORED INFILTRATION RATE (IN/HR):	**0.036**



TEST DATA				
Reading	Time Elapsed (min)	Water Weight Consumed (lbs)	Water Volume Consumed (in^3)	Q (in^3/min)
1	0.00	0.000	0.00	0.00
2	10.00	0.180	4.98	0.498
3	10.00	0.110	3.05	0.305
4	10.00	0.070	1.94	0.194
5	10.00	0.120	3.32	0.332
6	10.00	0.140	3.88	0.388
7	10.00	0.120	3.32	0.332
8	10.00	0.120	3.32	0.332

GEOCON
INCORPORATED
GEOTECHNICAL CONSULTANTS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
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DOWNHOLE PERMEAMETER TEST RESULTS

OAK KNOLL, POWAY, CA

PROJECT NO.: G2746-32-02

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll North, Poway

June 8, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,590 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 16, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 22, 2018—Aug 31, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	0.1	1.2%
OhC	Olivenhain cobbly loam, 2 to 9 percent slopes	1.5	19.8%
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	5.8	79.0%
Totals for Area of Interest		**7.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

CmE2—Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded

Map Unit Setting

National map unit symbol: hb9t
Elevation: 500 to 4,000 feet
Mean annual precipitation: 8 to 35 inches
Mean annual air temperature: 45 to 64 degrees F
Frost-free period: 110 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Cieneba and similar soils: 60 percent
Rock outcrop: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cieneba

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from granite and granodiorite

Typical profile

H1 - 0 to 8 inches: coarse sandy loam
H2 - 8 to 12 inches: weathered bedrock

Properties and qualities

Slope: 9 to 30 percent
Depth to restrictive feature: 4 to 20 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 0.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R019XD060CA - SHALLOW LOAMY (1975)
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex

Typical profile
H1 - 0 to 4 inches: unweathered bedrock

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Vista
Percent of map unit: 5 percent
Hydric soil rating: No

Las posas
Percent of map unit: 5 percent
Hydric soil rating: No

OhC—Olivenhain cobbly loam, 2 to 9 percent slopes

Map Unit Setting
National map unit symbol: hbfb
Elevation: 100 to 600 feet
Mean annual precipitation: 14 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 290 to 330 days
Farmland classification: Not prime farmland

Map Unit Composition
Olivenhain and similar soils: 85 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Olivenhain

Setting
Landform: Marine terraces
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Gravelly alluvium derived from mixed sources

Typical profile
H1 - 0 to 10 inches: cobbly loam
H2 - 10 to 42 inches: very cobbly clay
H3 - 42 to 60 inches: cobbly clay loam

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Diablo

Percent of map unit: 4 percent
Hydric soil rating: No

Linne

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 2 percent
Landform: Depressions
Hydric soil rating: Yes

Huerhuero

Percent of map unit: 2 percent
Hydric soil rating: No

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent
Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

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United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Diego County Area, California

Oak Knoll South, Poway, CA

June 8, 2022

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Custom Soil Resource Report
Soil Map

Map Scale: 1:410 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PfC	Placentia sandy loam, thick surface, 2 to 9 percent slo pes	0.4	73.4%
VaA	Visalia sandy loam, 0 to 2 percent slopes	0.2	26.6%
Totals for Area of Interest		**0.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Diego County Area, California

PfC—Placentia sandy loam, thick surface, 2 to 9 percent slo pes

Map Unit Setting

National map unit symbol: hbfn
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 11 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 13 inches: sandy loam
H2 - 13 to 34 inches: clay

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)
Hydric soil rating: No

Minor Components

Ramona

Percent of map unit: 5 percent

Hydric soil rating: No

Bonsall

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

VaA—Visalia sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hbh2
Elevation: 600 to 1,200 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 57 degrees F
Frost-free period: 200 to 350 days
Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Visalia and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Visalia

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Riser, flat
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 12 inches: sandy loam
H2 - 12 to 40 inches: fine sandy loam
H3 - 40 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare

Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 2c
Hydrologic Soil Group: A
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Minor Components

Grangeville

Percent of map unit: 5 percent
Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent
Hydric soil rating: No

Placentia

Percent of map unit: 2 percent
Hydric soil rating: No

Tujunga

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed

Percent of map unit: 1 percent
Landform: Flood plains
Hydric soil rating: Yes

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APPENDIX D

APPENDIX D

RECOMMENDED GRADING SPECIFICATIONS

FOR

OAK KNOLL
POWAY, CALIFORNIA

PROJECT NO. G2746-32-02

RECOMMENDED GRADING SPECIFICATIONS

1. GENERAL

1.1 These Recommended Grading Specifications shall be used in conjunction with the Geotechnical Report for the project prepared by Geocon. The recommendations contained in the text of the Geotechnical Report are a part of the earthwork and grading specifications and shall supersede the provisions contained hereinafter in the case of conflict.

1.2 Prior to the commencement of grading, a geotechnical consultant (Consultant) shall be employed for the purpose of observing earthwork procedures and testing the fills for substantial conformance with the recommendations of the Geotechnical Report and these specifications. The Consultant should provide adequate testing and observation services so that they may assess whether, in their opinion, the work was performed in substantial conformance with these specifications. It shall be the responsibility of the Contractor to assist the Consultant and keep them apprised of work schedules and changes so that personnel may be scheduled accordingly.

1.3 It shall be the sole responsibility of the Contractor to provide adequate equipment and methods to accomplish the work in accordance with applicable grading codes or agency ordinances, these specifications and the approved grading plans. If, in the opinion of the Consultant, unsatisfactory conditions such as questionable soil materials, poor moisture condition, inadequate compaction, and/or adverse weather result in a quality of work not in conformance with these specifications, the Consultant will be empowered to reject the work and recommend to the Owner that grading be stopped until the unacceptable conditions are corrected.

2. DEFINITIONS

2.1 **Owner** shall refer to the owner of the property or the entity on whose behalf the grading work is being performed and who has contracted with the Contractor to have grading performed.

2.2 **Contractor** shall refer to the Contractor performing the site grading work.

2.3 **Civil Engineer** or **Engineer of Work** shall refer to the California licensed Civil Engineer or consulting firm responsible for preparation of the grading plans, surveying and verifying as-graded topography.

2.4 **Consultant** shall refer to the soil engineering and engineering geology consulting firm retained to provide geotechnical services for the project.

2.5 **Soil Engineer** shall refer to a California licensed Civil Engineer retained by the Owner, who is experienced in the practice of geotechnical engineering. The Soil Engineer shall be responsible for having qualified representatives on-site to observe and test the Contractor's work for conformance with these specifications.

2.6 **Engineering Geologist** shall refer to a California licensed Engineering Geologist retained by the Owner to provide geologic observations and recommendations during the site grading.

2.7 **Geotechnical Report** shall refer to a soil report (including all addenda) which may include a geologic reconnaissance or geologic investigation that was prepared specifically for the development of the project for which these Recommended Grading Specifications are intended to apply.

3. MATERIALS

3.1 Materials for compacted fill shall consist of any soil excavated from the cut areas or imported to the site that, in the opinion of the Consultant, is suitable for use in construction of fills. In general, fill materials can be classified as *soil* fills, *soil-rock* fills or *rock* fills, as defined below.

3.1.1 **Soil fills** are defined as fills containing no rocks or hard lumps greater than 12 inches in maximum dimension and containing at least 40 percent by weight of material smaller than ¾ inch in size.

3.1.2 **Soil-rock fills** are defined as fills containing no rocks or hard lumps larger than 4 feet in maximum dimension and containing a sufficient matrix of soil fill to allow for proper compaction of soil fill around the rock fragments or hard lumps as specified in Paragraph 6.2. **Oversize rock** is defined as material greater than 12 inches.

3.1.3 **Rock fills** are defined as fills containing no rocks or hard lumps larger than 3 feet in maximum dimension and containing little or no fines. Fines are defined as material smaller than ¾ inch in maximum dimension. The quantity of fines shall be less than approximately 20 percent of the rock fill quantity.

3.2 Material of a perishable, spongy, or otherwise unsuitable nature as determined by the Consultant shall not be used in fills.

3.3 Materials used for fill, either imported or on-site, shall not contain hazardous materials as defined by the California Code of Regulations, Title 22, Division 4, Chapter 30, Articles 9

and 10; 40CFR; and any other applicable local, state or federal laws. The Consultant shall not be responsible for the identification or analysis of the potential presence of hazardous materials. However, if observations, odors or soil discoloration cause Consultant to suspect the presence of hazardous materials, the Consultant may request from the Owner the termination of grading operations within the affected area. Prior to resuming grading operations, the Owner shall provide a written report to the Consultant indicating that the suspected materials are not hazardous as defined by applicable laws and regulations.

3.4 The outer 15 feet of *soil-rock* fill slopes, measured horizontally, should be composed of properly compacted *soil* fill materials approved by the Consultant. *Rock* fill may extend to the slope face, provided that the slope is not steeper than 2:1 (horizontal:vertical) and a soil layer no thicker than 12 inches is track-walked onto the face for landscaping purposes. This procedure may be utilized provided it is acceptable to the governing agency, Owner and Consultant.

3.5 Samples of soil materials to be used for fill should be tested in the laboratory by the Consultant to determine the maximum density, optimum moisture content, and, where appropriate, shear strength, expansion, and gradation characteristics of the soil.

3.6 During grading, soil or groundwater conditions other than those identified in the Geotechnical Report may be encountered by the Contractor. The Consultant shall be notified immediately to evaluate the significance of the unanticipated condition.

4. CLEARING AND PREPARING AREAS TO BE FILLED

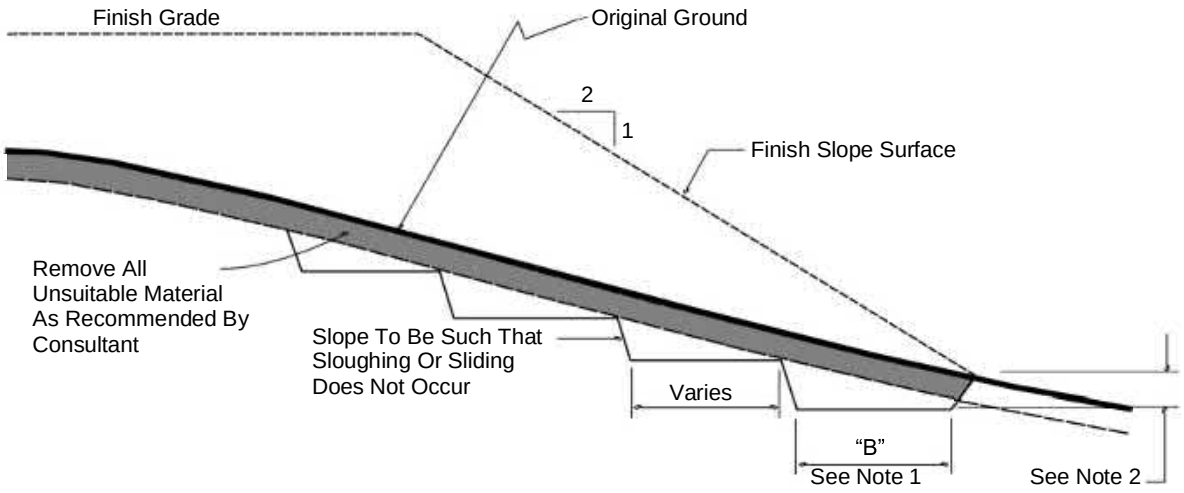
4.1 Areas to be excavated and filled shall be cleared and grubbed. Clearing shall consist of complete removal above the ground surface of trees, stumps, brush, vegetation, man-made structures, and similar debris. Grubbing shall consist of removal of stumps, roots, buried logs and other unsuitable material and shall be performed in areas to be graded. Roots and other projections exceeding 1½ inches in diameter shall be removed to a depth of 3 feet below the surface of the ground. Borrow areas shall be grubbed to the extent necessary to provide suitable fill materials.

4.2 Asphalt pavement material removed during clearing operations should be properly disposed at an approved off-site facility or in an acceptable area of the project evaluated by Geocon and the property owner. Concrete fragments that are free of reinforcing steel may be placed in fills, provided they are placed in accordance with Section 6.2 or 6.3 of this document.

4.3 After clearing and grubbing of organic matter and other unsuitable material, loose or porous soils shall be removed to the depth recommended in the Geotechnical Report. The depth of removal and compaction should be observed and approved by a representative of the Consultant. The exposed surface shall then be plowed or scarified to a minimum depth of 6 inches and until the surface is free from uneven features that would tend to prevent uniform compaction by the equipment to be used.

4.4 Where the slope ratio of the original ground is steeper than 5:1 (horizontal:vertical), or where recommended by the Consultant, the original ground should be benched in accordance with the following illustration.

TYPICAL BENCHING DETAIL



No Scale

DETAIL NOTES:

(1) Key width "B" should be a minimum of 10 feet, or sufficiently wide to permit complete coverage with the compaction equipment used. The base of the key should be graded horizontal, or inclined slightly into the natural slope.

(2) The outside of the key should be below the topsoil or unsuitable surficial material and at least 2 feet into dense formational material. Where hard rock is exposed in the bottom of the key, the depth and configuration of the key may be modified as approved by the Consultant.

4.5 After areas to receive fill have been cleared and scarified, the surface should be moisture conditioned to achieve the proper moisture content, and compacted as recommended in Section 6 of these specifications.

5. COMPACTION EQUIPMENT

5.1 Compaction of *soil* or *soil-rock* fill shall be accomplished by sheepsfoot or segmented-steel wheeled rollers, vibratory rollers, multiple-wheel pneumatic-tired rollers, or other types of acceptable compaction equipment. Equipment shall be of such a design that it will be capable of compacting the *soil* or *soil-rock* fill to the specified relative compaction at the specified moisture content.

5.2 Compaction of *rock* fills shall be performed in accordance with Section 6.3.

6. PLACING, SPREADING AND COMPACTION OF FILL MATERIAL

6.1 *Soil* fill, as defined in Paragraph 3.1.1, shall be placed by the Contractor in accordance with the following recommendations:

6.1.1 *Soil* fill shall be placed by the Contractor in layers that, when compacted, should generally not exceed 8 inches. Each layer shall be spread evenly and shall be thoroughly mixed during spreading to obtain uniformity of material and moisture in each layer. The entire fill shall be constructed as a unit in nearly level lifts. Rock materials greater than 12 inches in maximum dimension shall be placed in accordance with Section 6.2 or 6.3 of these specifications.

6.1.2 In general, the *soil* fill shall be compacted at a moisture content at or above the optimum moisture content as determined by ASTM D 1557.

6.1.3 When the moisture content of *soil* fill is below that specified by the Consultant, water shall be added by the Contractor until the moisture content is in the range specified.

6.1.4 When the moisture content of the *soil* fill is above the range specified by the Consultant or too wet to achieve proper compaction, the *soil* fill shall be aerated by the Contractor by blading/mixing, or other satisfactory methods until the moisture content is within the range specified.

6.1.5 After each layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted by the Contractor to a relative compaction of at least 90 percent. Relative compaction is defined as the ratio (expressed in percent) of the in-place dry density of the compacted fill to the maximum laboratory dry density as determined in accordance with ASTM D 1557. Compaction shall be continuous over the entire area, and compaction equipment shall make sufficient passes so that the specified minimum relative compaction has been achieved throughout the entire fill.

6.1.6 Where practical, soils having an Expansion Index greater than 50 should be placed at least 3 feet below finish pad grade and should be compacted at a moisture content generally 2 to 4 percent greater than the optimum moisture content for the material.

6.1.7 Properly compacted *soil* fill shall extend to the design surface of fill slopes. To achieve proper compaction, it is recommended that fill slopes be over-built by at least 3 feet and then cut to the design grade. This procedure is considered preferable to track-walking of slopes, as described in the following paragraph.

6.1.8 As an alternative to over-building of slopes, slope faces may be back-rolled with a heavy-duty loaded sheepsfoot or vibratory roller at maximum 4-foot fill height intervals. Upon completion, slopes should then be track-walked with a D-8 dozer or similar equipment, such that a dozer track covers all slope surfaces at least twice.

6.2 *Soil-rock* fill, as defined in Paragraph 3.1.2, shall be placed by the Contractor in accordance with the following recommendations:

6.2.1 Rocks larger than 12 inches but less than 4 feet in maximum dimension may be incorporated into the compacted *soil* fill, but shall be limited to the area measured 15 feet minimum horizontally from the slope face and 5 feet below finish grade or 3 feet below the deepest utility, whichever is deeper.

6.2.2 Rocks or rock fragments up to 4 feet in maximum dimension may either be individually placed or placed in windrows. Under certain conditions, rocks or rock fragments up to 10 feet in maximum dimension may be placed using similar methods. The acceptability of placing rock materials greater than 4 feet in maximum dimension shall be evaluated during grading as specific cases arise and shall be approved by the Consultant prior to placement.

6.2.3 For individual placement, sufficient space shall be provided between rocks to allow for passage of compaction equipment.

6.2.4 For windrow placement, the rocks should be placed in trenches excavated in properly compacted *soil* fill. Trenches should be approximately 5 feet wide and 4 feet deep in maximum dimension. The voids around and beneath rocks should be filled with approved granular soil having a Sand Equivalent of 30 or greater and should be compacted by flooding. Windrows may also be placed utilizing an "open-face" method in lieu of the trench procedure, however, this method should first be approved by the Consultant.

6.2.5 Windrows should generally be parallel to each other and may be placed either parallel to or perpendicular to the face of the slope depending on the site geometry. The minimum horizontal spacing for windrows shall be 12 feet center-to-center with a 5-foot stagger or offset from lower courses to next overlying course. The minimum vertical spacing between windrow courses shall be 2 feet from the top of a lower windrow to the bottom of the next higher windrow.

6.2.6 Rock placement, fill placement and flooding of approved granular soil in the windrows should be continuously observed by the Consultant.

6.3 *Rock* fills, as defined in Section 3.1.3, shall be placed by the Contractor in accordance with the following recommendations:

6.3.1 The base of the *rock* fill shall be placed on a sloping surface (minimum slope of 2 percent). The surface shall slope toward suitable subdrainage outlet facilities. The *rock* fills shall be provided with subdrains during construction so that a hydrostatic pressure buildup does not develop. The subdrains shall be permanently connected to controlled drainage facilities to control post-construction infiltration of water.

6.3.2 *Rock* fills shall be placed in lifts not exceeding 3 feet. Placement shall be by rock trucks traversing previously placed lifts and dumping at the edge of the currently placed lift. Spreading of the *rock* fill shall be by dozer to facilitate *seating* of the rock. The *rock* fill shall be watered heavily during placement. Watering shall consist of water trucks traversing in front of the current rock lift face and spraying water continuously during rock placement. Compaction equipment with compactive energy comparable to or greater than that of a 20-ton steel vibratory roller or other compaction equipment providing suitable energy to achieve the required compaction or deflection as recommended in Paragraph 6.3.3 shall be utilized. The number of passes to be made should be determined as described in Paragraph 6.3.3. Once a *rock* fill lift has been covered with *soil* fill, no additional *rock* fill lifts will be permitted over the *soil* fill.

6.3.3 Plate bearing tests, in accordance with ASTM D 1196, may be performed in both the compacted *soil* fill and in the *rock* fill to aid in determining the required minimum number of passes of the compaction equipment. If performed, a minimum of three plate bearing tests should be performed in the properly compacted *soil* fill (minimum relative compaction of 90 percent). Plate bearing tests shall then be performed on areas of *rock* fill having two passes, four passes and six passes of the compaction equipment, respectively. The number of passes required for the *rock* fill shall be determined by comparing the results of the plate bearing tests for the *soil* fill and the *rock* fill and by evaluating the deflection

variation with number of passes. The required number of passes of the compaction equipment will be performed as necessary until the plate bearing deflections are equal to or less than that determined for the properly compacted *soil* fill. In no case will the required number of passes be less than two.

6.3.4 A representative of the Consultant should be present during *rock* fill operations to observe that the minimum number of "passes" have been obtained, that water is being properly applied and that specified procedures are being followed. The actual number of plate bearing tests will be determined by the Consultant during grading.

6.3.5 Test pits shall be excavated by the Contractor so that the Consultant can state that, in their opinion, sufficient water is present and that voids between large rocks are properly filled with smaller rock material. In-place density testing will not be required in the *rock* fills.

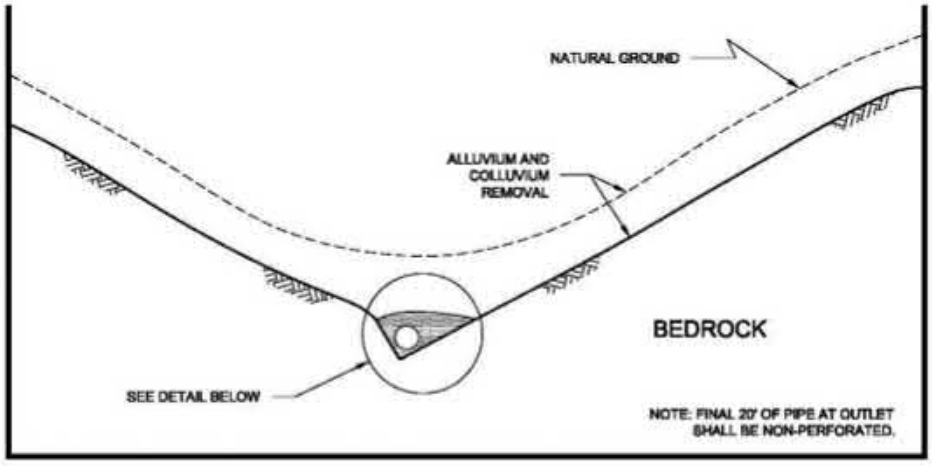
6.3.6 To reduce the potential for "piping" of fines into the *rock* fill from overlying *soil* fill material, a 2-foot layer of graded filter material shall be placed above the uppermost lift of *rock* fill. The need to place graded filter material below the *rock* should be determined by the Consultant prior to commencing grading. The gradation of the graded filter material will be determined at the time the *rock* fill is being excavated. Materials typical of the *rock* fill should be submitted to the Consultant in a timely manner, to allow design of the graded filter prior to the commencement of *rock* fill placement.

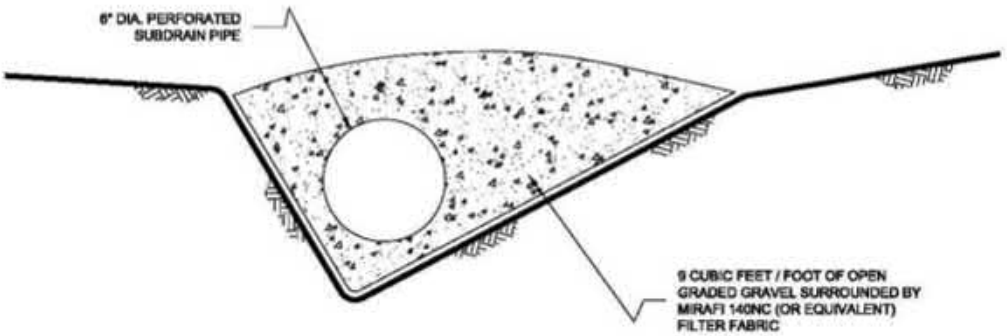
6.3.7 *Rock* fill placement should be continuously observed during placement by the Consultant.

7. SUBDRAINS

7.1 The geologic units on the site may have permeability characteristics and/or fracture systems that could be susceptible under certain conditions to seepage. The use of canyon subdrains may be necessary to mitigate the potential for adverse impacts associated with seepage conditions. Canyon subdrains with lengths in excess of 500 feet or extensions of existing offsite subdrains should use 8-inch-diameter pipes. Canyon subdrains less than 500 feet in length should use 6-inch-diameter pipes.

TYPICAL CANYON DRAIN DETAIL





NOTES:

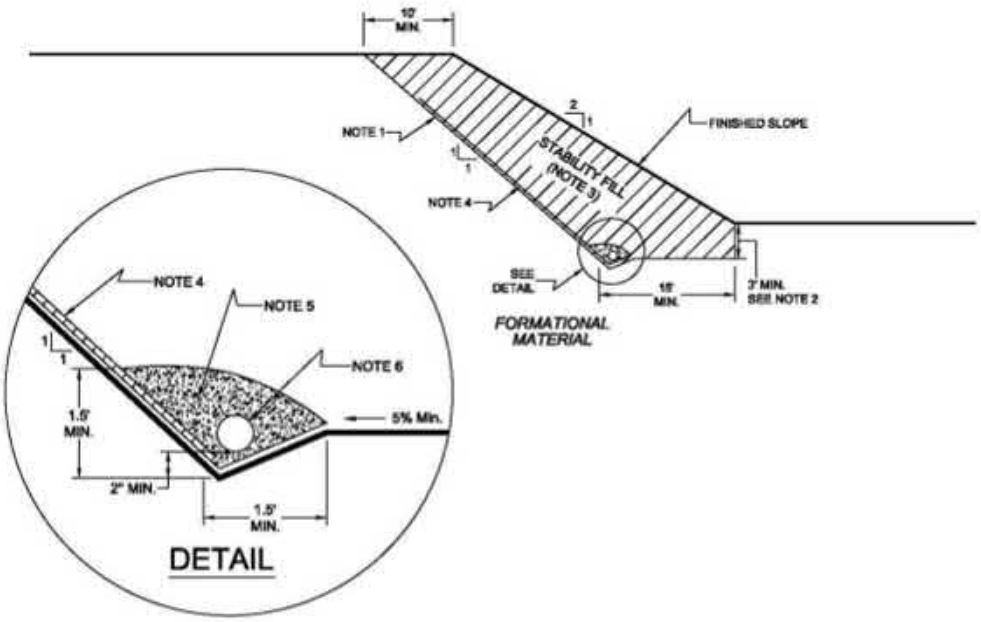
1.....8-INCH DIAMETER, SCHEDULE 80 PVC PERFORATED PIPE FOR FILLS IN EXCESS OF 100-FEET IN DEPTH OR A PIPE LENGTH OF LONGER THAN 500 FEET.

2.....6-INCH DIAMETER, SCHEDULE 40 PVC PERFORATED PIPE FOR FILLS LESS THAN 100-FEET IN DEPTH OR A PIPE LENGTH SHORTER THAN 500 FEET.

NO SCALE

7.2 Slope drains within stability fill keyways should use 4-inch-diameter (or lager) pipes.

TYPICAL STABILITY FILL DETAIL



NOTES:

1.....EXCAVATE BACKCUT AT 1:1 INCLINATION (UNLESS OTHERWISE NOTED).

2.....BASE OF STABILITY FILL TO BE 3 FEET INTO FORMATIONAL MATERIAL, SLOPING A MINIMUM 5% INTO SLOPE.

3.....STABILITY FILL TO BE COMPOSED OF PROPERLY COMPACTED GRANULAR SOIL.

4.....CHIMNEY DRAINS TO BE APPROVED PREFABRICATED CHIMNEY DRAIN PANELS (MIRADRAIN G200N OR EQUIVALENT) SPACED APPROXIMATELY 20 FEET CENTER TO CENTER AND 4 FEET WIDE. CLOSER SPACING MAY BE REQUIRED IF SEEPAGE IS ENCOUNTERED.

5.....FILTER MATERIAL TO BE 3/4-INCH, OPEN-GRADED CRUSHED ROCK ENCLOSED IN APPROVED FILTER FABRIC (MIRAFI 140NC).

6.....COLLECTOR PIPE TO BE 4-INCH MINIMUM DIAMETER, PERFORATED, THICK-WALLED PVC SCHEDULE 40 OR EQUIVALENT, AND SLOPED TO DRAIN AT 1 PERCENT MINIMUM TO APPROVED OUTLET.

NO SCALE

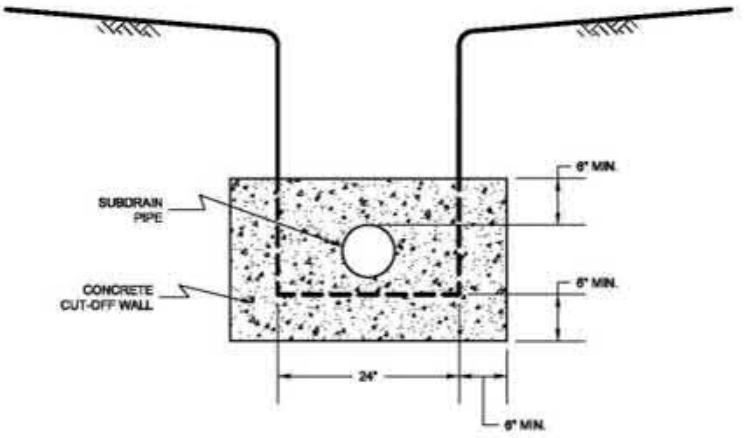
7.3 The actual subdrain locations will be evaluated in the field during the remedial grading operations. Additional drains may be necessary depending on the conditions observed and the requirements of the local regulatory agencies. Appropriate subdrain outlets should be evaluated prior to finalizing 40-scale grading plans.

7.4 *Rock* fill or *soil-rock* fill areas may require subdrains along their down-slope perimeters to mitigate the potential for buildup of water from construction or landscape irrigation. The subdrains should be at least 6-inch-diameter pipes encapsulated in gravel and filter fabric. *Rock* fill drains should be constructed using the same requirements as canyon subdrains.

7.5 Prior to outletting, the final 20-foot segment of a subdrain that will not be extended during future development should consist of non-perforated drainpipe. At the non-perforated/ perforated interface, a seepage cutoff wall should be constructed on the downslope side of the pipe.

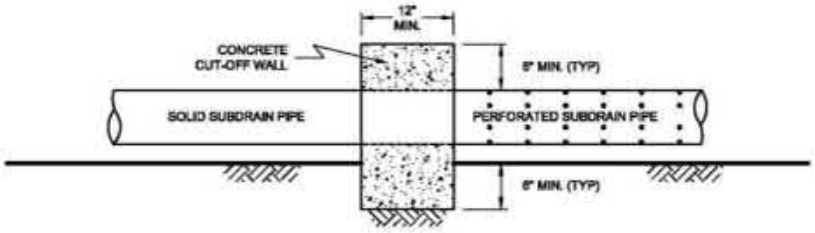
TYPICAL CUT OFF WALL DETAIL

FRONT VIEW



NO SCALE

SIDE VIEW

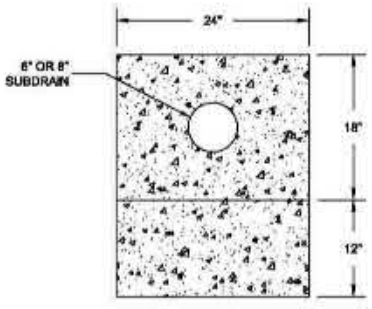


NO SCALE

7.6 Subdrains that discharge into a natural drainage course or open space area should be provided with a permanent headwall structure.

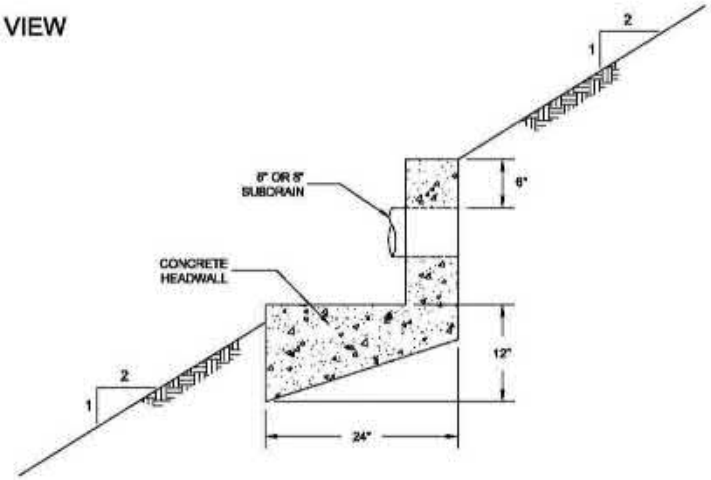
TYPICAL HEADWALL DETAIL

FRONT VIEW



NO SCALE

SIDE VIEW



NOTE: HEADWALL SHOULD OUTLET AT TOE OF FILL SLOPE OR INTO CONTROLLED SURFACE DRAINAGE

NO SCALE

7.7 The final grading plans should show the location of the proposed subdrains. After completion of remedial excavations and subdrain installation, the project civil engineer should survey the drain locations and prepare an "as-built" map showing the drain locations. The final outlet and connection locations should be determined during grading operations. Subdrains that will be extended on adjacent projects after grading can be placed on formational material and a vertical riser should be placed at the end of the subdrain. The grading contractor should consider videoing the subdrains shortly after burial to check proper installation and functionality. The contractor is responsible for the performance of the drains.

8. OBSERVATION AND TESTING

8.1 The Consultant shall be the Owner's representative to observe and perform tests during clearing, grubbing, filling, and compaction operations. In general, no more than 2 feet in vertical elevation of *soil* or *soil-rock* fill should be placed without at least one field density test being performed within that interval. In addition, a minimum of one field density test should be performed for every 2,000 cubic yards of *soil* or *soil-rock* fill placed and compacted.

8.2 The Consultant should perform a sufficient distribution of field density tests of the compacted *soil* or *soil-rock* fill to provide a basis for expressing an opinion whether the fill material is compacted as specified. Density tests shall be performed in the compacted materials below any disturbed surface. When these tests indicate that the density of any layer of fill or portion thereof is below that specified, the particular layer or areas represented by the test shall be reworked until the specified density has been achieved.

8.3 During placement of *rock* fill, the Consultant should observe that the minimum number of passes have been obtained per the criteria discussed in Section 6.3.3. The Consultant should request the excavation of observation pits and may perform plate bearing tests on the placed *rock* fills. The observation pits will be excavated to provide a basis for expressing an opinion as to whether the *rock* fill is properly seated and sufficient moisture has been applied to the material. When observations indicate that a layer of *rock* fill or any portion thereof is below that specified, the affected layer or area shall be reworked until the *rock* fill has been adequately seated and sufficient moisture applied.

8.4 A settlement monitoring program designed by the Consultant may be conducted in areas of *rock* fill placement. The specific design of the monitoring program shall be as recommended in the Conclusions and Recommendations section of the project Geotechnical Report or in the final report of testing and observation services performed during grading.

8.5 We should observe the placement of subdrains, to check that the drainage devices have been placed and constructed in substantial conformance with project specifications.

8.6 Testing procedures shall conform to the following Standards as appropriate:

8.6.1 Soil and Soil-Rock Fills:

8.6.1.1 Field Density Test, ASTM D 1556, *Density of Soil In-Place By the Sand-Cone Method.*

8.6.1.2 Field Density Test, Nuclear Method, ASTM D 6938, *Density of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth).*

8.6.1.3 Laboratory Compaction Test, ASTM D 1557, *Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-Pound Hammer and 18-Inch Drop.*

8.6.1.4. Expansion Index Test, ASTM D 4829, *Expansion Index Test*.

9. PROTECTION OF WORK

9.1 During construction, the Contractor shall properly grade all excavated surfaces to provide positive drainage and prevent ponding of water. Drainage of surface water shall be controlled to avoid damage to adjoining properties or to finished work on the site. The Contractor shall take remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features have been installed. Areas subjected to erosion or sedimentation shall be properly prepared in accordance with the Specifications prior to placing additional fill or structures.

9.2 After completion of grading as observed and tested by the Consultant, no further excavation or filling shall be conducted except in conjunction with the services of the Consultant.

10. CERTIFICATIONS AND FINAL REPORTS

10.1 Upon completion of the work, Contractor shall furnish Owner a certification by the Civil Engineer stating that the lots and/or building pads are graded to within 0.1 foot vertically of elevations shown on the grading plan and that all tops and toes of slopes are within 0.5 foot horizontally of the positions shown on the grading plans. After installation of a section of subdrain, the project Civil Engineer should survey its location and prepare an *as-built* plan of the subdrain location. The project Civil Engineer should verify the proper outlet for the subdrains and the Contractor should ensure that the drain system is free of obstructions.

10.2 The Owner is responsible for furnishing a final as-graded soil and geologic report satisfactory to the appropriate governing or accepting agencies. The as-graded report should be prepared and signed by a California licensed Civil Engineer experienced in geotechnical engineering and by a California Certified Engineering Geologist, indicating that the geotechnical aspects of the grading were performed in substantial conformance with the Specifications or approved changes to the Specifications.

LIST OF REFERENCES

1. 2019 California Building Code, California Code of Regulations, Title 24, Part 2, based on the 2018 International Building Code, prepared by California Building Standards Commission, dated July 2019.

2. ACI 330-08, Guide for the Design and Construction of Concrete Parking Lots, prepared by the American Concrete Institute, dated June, 2008.

3. American Concrete Institute, ACI 318-11, Building Code Requirements for Structural Concrete and Commentary, dated August, 2011.

4. American Society of Civil Engineers (ASCE), ASCE 7-16, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, 2017.

5. County of San Diego, San Diego County Multi-Jurisdiction Hazard Mitigation Plan, San Diego, California – Final Draft, dated October 2017.

6. Historical Aerial Photos. http://www.historicaerials.com

7. http://www.water.ca.gov.

8. http://websoilsurvey.nrcs.usda.gov.

9. http://earthquake.usgs.gov/designmaps/us/application.php.

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11. Jennings, C. W., 1994, California Division of Mines and Geology, Fault Activity Map of California and Adjacent Areas, California Geologic Data Map Series Map No. 6.

12. Landslide Hazards In The Northern Part of the San Diego Metropolitan Area, San Diego County, California, California Division Of Mines And Geology, Open File Report 95-04 (1995), 1953 stereoscopic aerial photographs of the site and surrounding areas.

13. SEAOC (2018), Seismic Design Maps, website interface that queries the U.S. Geological Survey (USGS) web servers and retrieves the seismic design variables using ASCE 7-16, ASCE 7-10, ASCE 41-13, ASCE 41-17, IBC 2015, IBC 2012, NEHRP-2015, and NEHRP 2009 seismic design map data, http://seismicmaps.org.

14. Unpublished reports and maps on file with Geocon Incorporated.

Appendix K

Noise Technical Report for The Harmon Ranch Project

Noise Technical Report
for The Harmon Ranch Project

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JULY 2022

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AC	acre
Caltrans	California Department of Transportation
City	City of Poway
County	County of San Diego
CNEL	Community Noise Equivalent Level
CNMP	construction noise management plan
dB	decibel
dBA	A-weighted decibel
DU	dwelling unit
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HP	horsepower
ips	inches per second
Ldn	day–night average noise level
Leq	equivalent noise level over a given period
Lmax	sound energy level averaged over a specified time period
Ln	statistical sound level
MM	Mitigation Measure
PPV	peak particle velocity
proposed project	Harmon Ranch
RCNM	Roadway Construction Noise Model
RMS	Root mean square
ST	short-term noise measurement locations
VdB	Velocity decibel

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1 Introduction and Background

This assessment was conducted to address potential noise impacts from the proposed The Harmon Ranch Project (proposed project), a residential subdivision with a variety of open spaces to be located in the City of Poway (City). The assessment includes examination of noise generation from project construction and project related traffic, and also evaluates future potential noise exposure levels at sample locations of proposed future residences. Construction activity vibration is also evaluated as part of this assessment.

Project Description

The Harmon Ranch project entails the development of 63-single family dwelling units on a currently vacant site in the City of Poway that is currently designated Residential Single Family 7 (RS-7). The Proposed Project is located north of Oak Knoll Road, south of Poway Road, and in between Pomerado Road and Carriage Road. Proposed amenities will include approximately 2.2 acres of natural open space, approximately 1 acre of open space recreational and a trail approximately 1,000 feet in length connecting to the existing commercial center north of the site for residents to utilize.

Noise Characteristics

Sound is mechanical energy transmitted by pressure waves in a compressible medium, such as air. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired. The sound pressure level (SPL) has become the most common descriptor used to characterize the loudness of an ambient sound level. The unit of measurement of sound pressure is a decibel (dB). Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound levels of 1 dB when exposed to steady, single-frequency signals in the mid-frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dB in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dB. A change of 5 dB is readily perceptible, and a change of 10 dB is perceived as twice or half as loud (Caltrans 2013a). A doubling of sound energy results in a 3-dB increase in sound, which means that a doubling of sound energy (e.g., doubling the number of daily trips along a given road) would result in a barely perceptible change in sound level.

Sound may be described in terms of level or amplitude (measured in decibels), frequency or pitch (measured in hertz, or cycles per second), and duration (measured in seconds or minutes). Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel (dBA) scale performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear.

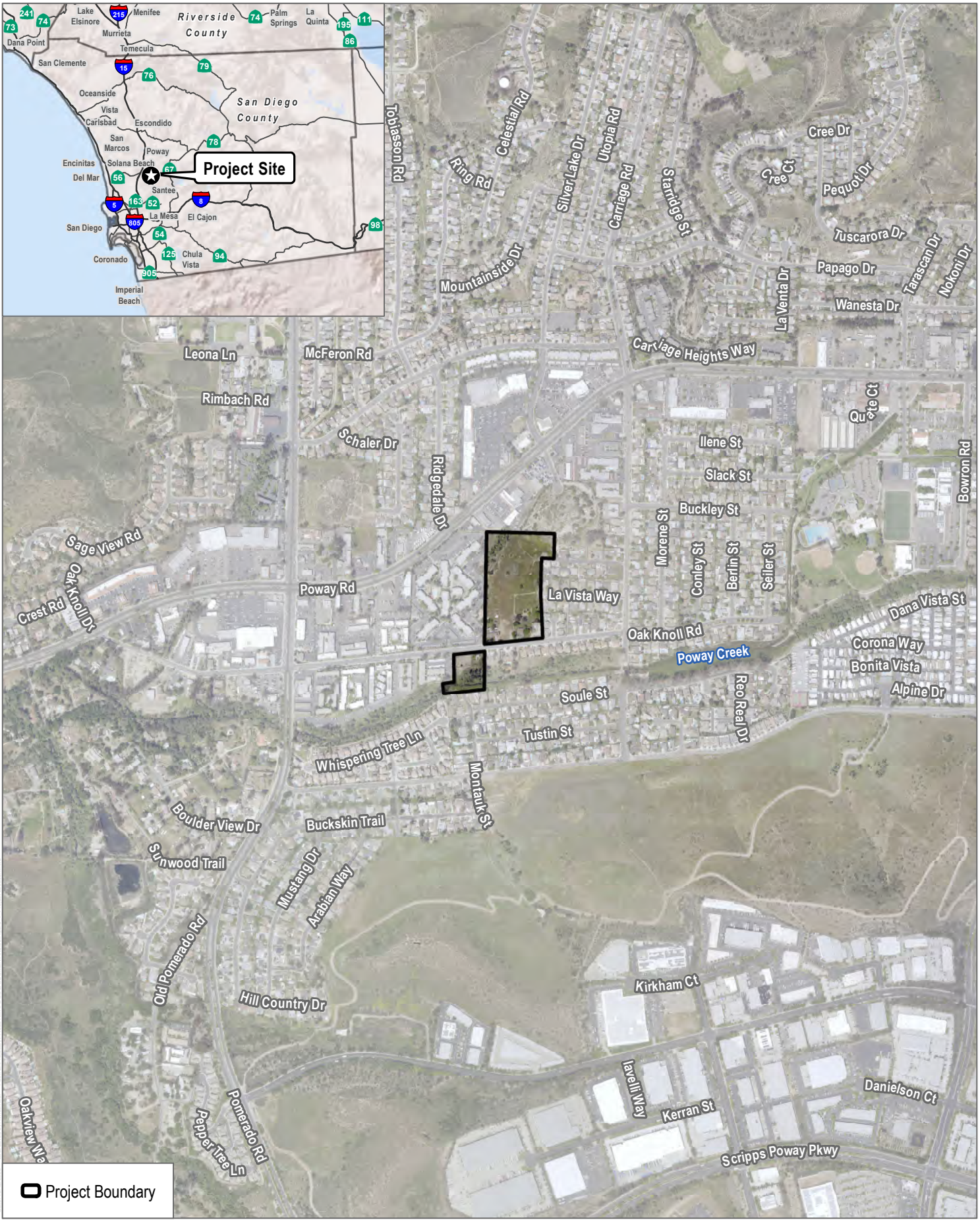
Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise. These descriptors include the equivalent noise level over a given period (L_{eq}), the statistical sound level (L_n), the day–night average noise level (L_{dn}), and the Community Noise Equivalent Level (CNEL). Each of these descriptors uses units of dBA.

L_{eq} is a sound level energy-averaged over a specified time period, represented by a single constant value equivalent to the variable sound energy received at a location. For example, a 1-hour L_{eq} measurement would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because it allows convenient comparison of time-varying sound levels at different locations. L_{max} is the greatest sound level measured during a designated time interval or event.

Unlike the L_{eq} metrics, L_{dn} and CNEL metrics always represent 24-hour periods. L_{dn} and CNEL also differ from L_{eq} because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech and sleep disturbance is of more concern). “Time weighted” refers to the fact that

L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m. to 7:00 p.m.) receives no penalty. Noise during the evening hours (7:00 p.m. to 10:00 p.m.) is penalized by adding 5 dB to the measured or predicted L_{eq} values, and nighttime (10:00 p.m. to 7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is defined as 7:00 a.m. to 10:00 p.m., thus eliminating the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5–1 dB, and are thus often considered comparable or even equivalent and interchangeable by many jurisdictions.

Vibration is the oscillatory movement of solid mass. Like sound, it is described in terms of frequency and amplitude, which can be expressed as displacement, velocity, or acceleration. For purposes of this analysis and consistent with environmental assessment, vibration is presented and discussed herein as units of velocity (inches per second [ips]) and their decibel equivalents as appropriate. Vibration impacts to buildings are generally discussed in terms of peak particle velocity (PPV), while human annoyance or disturbance is often discussed with root-mean-square (RMS) vibration velocity levels that are converted to decibels (VdB). But for purposes of this analysis, PPV will be used to describe all vibration for ease of reading and comparison. Vibration can impact people, structures, and sensitive equipment or processes (Caltrans 2020). Common sources of vibration within communities include construction activities and railroad operations. Groundborne vibration generated by construction projects exhibits highest amplitudes during pile driving, rock blasting, soil compacting, jack hammering, and demolition-related activities that involve sudden impacts or other transient impulses of energy delivered to soil and rock strata. Vibration can also be more regularly occurring or even continuous in nature, such as the steady operation of mechanical equipment featuring reciprocating or rotating components that are slightly imbalanced. The maximum vibration level standard used by the California Department of Transportation (Caltrans) for the prevention of structural damage to typical residential buildings is 0.3 ips PPV (Caltrans 2020).



SOURCE: SAN GIS 2017

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0 500 1,000 Feet

FIGURE 1

Project Location

Harmon Ranch

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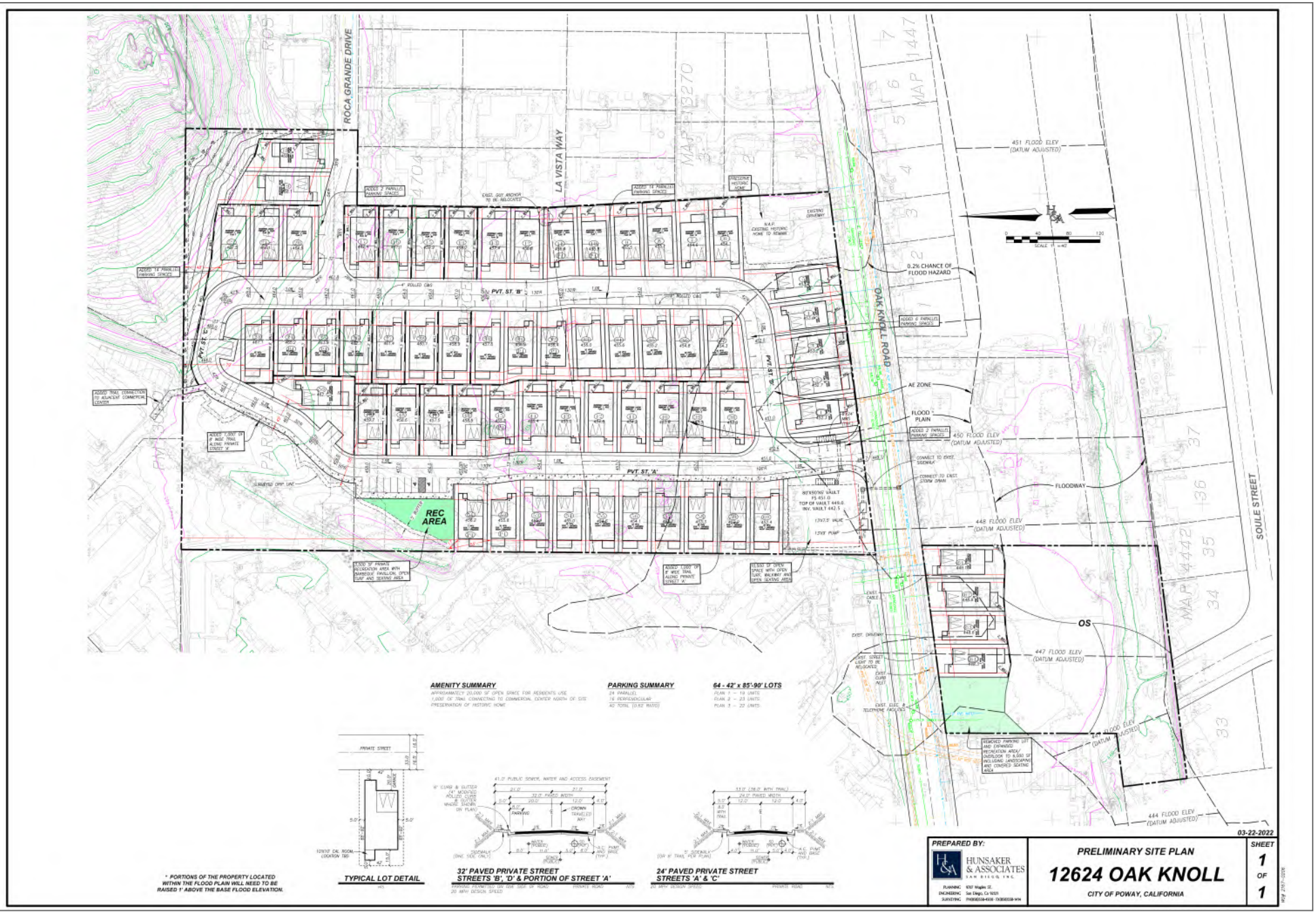

SOURCE: Hunksaker 2022

FIGURE 2
Site Plan
Harmon Ranch

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2 Regulatory Setting

Federal

Federal Transit Administration

In its Transit Noise and Vibration Impact Assessment guidance manual, the Federal Transit Administration (FTA) recommends a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) when "detailed" construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although this FTA guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the State and local jurisdictional levels.

State

California Code of Regulations, Title 24

Title 24 of the California Code of Regulations sets standards which new development in California must meet. According to Title 24, interior noise levels are not to exceed 45 dB CNEL for new multifamily residences, hotels, and other attached residences.

Title 24 also requires that an interior acoustical study demonstrating that interior noise levels due to exterior sources will be less than or equal to 45 CNEL be performed for affected multifamily structures and hotels that are exposed to exterior noise levels in excess of 60 CNEL.

California Department of Health Services Guidelines

The State Department of Health Services has developed guidelines of community noise acceptability for use by local agencies (OPR 2003). Selected relevant levels are listed here:

- Below 60 dBA CNEL: normally acceptable for low-density residential use
- 50 to 70 dBA: conditionally acceptable for low-density residential use
- Below 65 dBA CNEL: normally acceptable for high-density residential use and transient lodging
- 60 to 70 dBA CNEL: conditionally acceptable for high-density residential, transient lodging, churches, educational, and medical facilities.

The normally acceptable exterior noise level for transient lodging use is up to 65 dBA CNEL. Conditional acceptable exterior noise levels range up to 70 dBA CNEL for transient lodging.

California Department of Transportation

In its Transportation and Construction Vibration Guidance Manual, Caltrans recommends a vibration velocity threshold of 0.2 ips PPV (Caltrans 2020) for assessing "annoying" vibration impacts to occupants of residential structures. Although this Caltrans guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the local jurisdictional level. Similarly, thresholds to assess building damage risk due to construction vibration vary with the type of structure and its fragility but tend to range between 0.3 ips and 0.4 ips PPV for typical residential structures (Caltrans 2020).

Local

City of Poway Noise Municipal Code

Section 8.08.040 and 8.08.100 of the Poway Municipal Code establishes sound level limits within the City and describes regulations on construction equipment, respectively. These sections are reproduced or summarized below.

8.08.040 Sound Level Limits

Unless a variance has been applied for and granted pursuant to this chapter, it is unlawful for any person to cause or allow the creation of any noise to the extent that the one-hour average sound level, at any point on or beyond the boundaries of the property on which the sound is produced, exceeds the applicable limits set forth below, except that construction noise level limits shall be governed by PMC 8.08.100. In addition, the Noise Element addresses nuisance noise and states that it should be unlawful for any person to make or continue any loud, unnecessary noise that causes annoyance to any reasonable person of normal sensitivity.

Zone or Land Use Designation	Allowable Time	Applicable Limit One-Hour Average Sound Level (In decibels)
OS-RM, OS, OS/1du, RR-A, RR-B, RR-C, RS-2, RS-3, RS-4, RS-7, and Specific Plan, PRD and PC regulations with a density of 11 dwelling units or less per acre	10:00 p.m. to 7:00 a.m.	40
	7:00 a.m. to 10:00 p.m.	50
PF, RA, RC, MHP, and Specific Plan, PRD and PC regulations with a density of 11 or more dwelling units per acre	7:00 a.m. to 7:00 p.m.	55
	7:00 p.m. to 10:00 p.m.	50
	10:00 p.m. to 7:00 a.m.	45
SPC, MU, CO, CN, CB, CG, TC, A/GC and HC	7:00 a.m. to 7:00 p.m.	60
	7:00 p.m. to 10:00 p.m.	55
	10:00 p.m. to 7:00 a.m.	50
MRE, SC, LI, LI/S and IP	Anytime	70

The sound level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts

Fixed location public utility distribution or transmission facilities located on or adjacent to a property line shall be subject to the noise level limits of this section, measured at or beyond six feet from the boundary of the easement upon which the equipment is located.

8.08.100 Construction Equipment

Except for emergency work, it is unlawful for any person, including the City, to operate any single or combination of powered construction equipment at any construction site, except as outlined in subsections A and B of this section:

A. It is unlawful for any person, including the City, to operate any single or combination of powered construction equipment at any construction site before 7:00 a.m. or after 5:00 p.m. on Mondays through Saturdays or at any time on a Sunday or holiday except as provided below. For purposes of this section, "construction" does not include minor home repairs, lawn mowing, gardening and similar types of routine maintenance as identified in PMC 8.08.170(D).

1. The City Engineer may permit, in writing, the use of powered construction equipment during specific hours before 7:00 a.m. or after 5:00 p.m. Monday through Saturday, or any time on a Sunday or holiday, if he or she determines that such operations are not detrimental to the health, safety, or welfare of the surrounding community, that the conduct of the activity is limited by the nature of the work, and that it is in the best interest of the public to perform the work outside of normal hours and days of work.
2. A residential property owner constructing a single-family residence, or constructing an addition to, or otherwise modifying, a single-family residence for personal occupancy may operate powered construction equipment on Sundays or holidays between the hours of 10:00 a.m. and 5:00 p.m. in compliance with the requirements of subsection B of this section; provided, that:
    a. The type of equipment used is limited to handheld construction equipment or equipment powered by small electrical motors, including, but not limited to, small cement mixers, table saws, and similar small equipment; and
    b. The construction is not carried out for profit or livelihood. Upon request of the City, a property owner shall provide documentation, to the satisfaction of the Director of Development Services, of personal occupancy of the residence, or the intent to personally occupy the residence.

B. No such equipment, or combination of equipment regardless of age or date of acquisition, shall be operated so as to cause noise at a level in excess of 75 decibels for more than eight hours during any 24- hour period when measured at or within the property lines of any property which is developed and used either in part or in whole for residential purposes. These sound levels shall be corrected for time duration in accordance with the following table:

Total Duration in 24 Hours	Decibel Level Allowance	Total Decibel Level
Up to 15 Minutes	+15	90
Up to 30 Minutes	+12	87
Up to 1 Hour	+9	84
Up to 2 Hours	+6	81
Up to 4 Hours	+3	78
Up to 8 Hours	0	75

In the event that lower noise limit standards are established for construction equipment pursuant to State or Federal law, said lower limits shall be used as a basis for revising and amending the noise level limits specified in subsection B of this section.

Poway General Plan

The General Plan EIR Section 5.10 establishes the following mitigation measure related to noise. Development within the City of Poway, including the Specific Plan planning area, is subject to these measures: "6. The City of Poway shall ensure a safe and pleasant acoustical environment for the residents of Poway through site planning, zoning regulations, architectural design standards, and building construction regulations."

3 Existing Conditions

Noise measurements were conducted on and near the project site on May 4, 2022, to quantify and help characterize the existing pre-project outdoor sound environment. Table 1 provides the locations, date, and times these noise measurements were performed. The noise measurements were taken using a Rion NL-52 sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 1 (Precision Grade) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

The four short-term (ST) noise measurement locations were selected to represent existing noise-sensitive receivers on and near the project site. These locations are depicted as receivers ST1–ST4 on Figure 3, Noise Measurement and Modeling Locations. The measured energy-averaged (L_{eq}) and maximum (L_{max}) noise levels at these field survey locations are provided in Table 1.

Table 1. Measured Community Outdoor Noise Levels

Receptor	Location/Address	Date (mm/dd/yy)	Time (hh:mm)	L_{eq} (dBA)	L_{max} (dBA)
ST1	North of 12643 Oak Knoll Rd, Poway, CA 92064	05/04/22	09:10–09:20 a.m.	58.5	76.2
ST2	South of 12710 La Vista Way, Poway, CA 92064	05/04/22	09:30–09:40 a.m.	51.1	70.6
ST3	Eastern property line of Countryside Apartments	05/04/22	09:50–10:00 a.m.	56.9	65.7
ST4	Southern Property line of Poway Towne Center Shopping Mall, approximately 200 feet south of Poway Road	05/04/22	10:10–10:20 a.m.	53.8	66.3

Source: Appendix A.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; dBA = A-weighted decibels; ST = short-term noise measurement locations.

The primary noise sources at the sites identified during the noise measurements presented in Table 1 consisted of traffic along adjacent roadways and unrelated construction activity. The sounds of rustling leaves, aircraft overflights, distant conversation, and birdsong were also documented but to a lesser degree. As shown in Table 1, the measured sound levels ranged from approximately 51.1 dBA L_{eq} at ST2 to 58.5 dBA L_{eq} at ST1. More details of the collected noise measurement data can be found in Appendix A, Noise Measurement Field Data.

4 Thresholds of Significance

The following significance criteria are based on Appendix G of the California Environmental Quality Act Guidelines (14 CCR 15000 et seq.) and will be used to determine the significance of potential noise impacts. Impacts to noise would be significant if the proposed project would result in:

a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

b. Generation of excessive groundborne vibration or groundborne noise levels.

c. Expose people residing or working in the project area to excessive noise levels (for a project located within the vicinity of a private airstrip or an airport land use plan, or where such a plan has not been adopted, within 2 miles of a public airport or public use airport).

5 Impact Discussion

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Short-Term Construction

Construction noise and vibration are temporary phenomena. Construction noise and vibration levels vary from hour to hour and day to day, depending on the equipment in use, the operations performed, and the distance between the source and receptor.

Equipment that would be in use during the proposed project construction would include, in part, graders, backhoes, rubber-tired dozers, loaders, cranes, forklifts, cement mixers, pavers, rollers, and air compressors. The typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet are presented in Table 2. The listed maximum noise levels in Table 2 are, when downwardly adjusted by 6 dB to account for doubling the assessment distance to 100 feet, all compliant with the City's 85 dBA at 100 feet criterion per General Plan Noise Element.

It is anticipated that construction activities associated with the proposed project would take place primarily within the allowable hours of the City of Poway (7:00 a.m. and 5:00 p.m. Monday through Saturday). In the event that construction is required to extend beyond these times, extended hours permits would be required and would be obtained by the applicant.

Note that the equipment noise levels presented in Table 2 are maximum noise levels. Usually, construction equipment operates in alternating cycles of full power and low or no power, producing average noise levels over time that are less than the maximum noise level. This is accounted for through the use of an "acoustical usage factor", expressing the percentage of time a piece of equipment is typically operational. The sound level produced by the construction activity also depends on where the equipment actually operates onsite and the intensity of construction activities.

SOURCE: SAN GIS 2017

DUDEK

0 100 200 Feet

FIGURE 3

Noise Measurement and Modeling Locations

Harmon Ranch

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Table 2. Typical Construction Equipment Maximum Noise Levels

Equipment Type	Typical Equipment (L_{max}, dBA at 50 Feet)
All Other Equipment > 5 HP	85
Backhoe	78
Compressor (air)	78
Concrete Saw	90
Crane	81
Dozer	82
Excavator	81
Flat Bed Truck	74
Front End Loader	79
Generator	72
Grader	85
Man Lift	75
Paver	77
Roller	80
Scraper	84
Welder / Torch	73

Source: DOT 2006. FTA 2018.
Note: L_{max} = maximum sound level; dBA = A-weighted decibels.

Aggregate noise emission from proposed project construction activities, broken down by sequential phase, was predicted at two distances to the nearest existing noise-sensitive receptor: 1) from the nearest position of the construction site boundary and 2) from the geographic center of the construction site, which serves as the time-averaged location or geographic *acoustical centroid* of active construction equipment for the phase under study. The intent of the former distance is to help evaluate anticipated construction noise from a limited quantity of equipment or vehicle activity expected to be at the boundary for some period of time, which would be most appropriate for phases such as site preparation, grading, and paving. At the site boundary distance, the analysis assumes that up to only one piece of equipment, for each listed type per phase, will be involved in the construction activity for a limited portion of the 8-hour period. In other words, at such proximity along the boundary of the site, the operating equipment cannot "stack" or crowd the vicinity and still be able to operate.

The distance to the acoustical centroid is used in a manner similar to the general assessment technique as described in the FTA guidance for construction noise assessment (FTA 2018), where the location of individual equipment for a given construction phase is uncertain and where construction equipment is anticipated to operate over some extent of the construction site, near and far. For the acoustical centroid case, which intends to be a geographic average position for all equipment during the indicated phase, this analysis assumes that the equipment may be operating up to all 8 hours per day. Table 3 summarizes these distances to the apparent closest noise-sensitive receptor for each of the seven sequential construction phases.

Table 3. Estimated Distances between Construction Activities and the Nearest Noise-sensitive Receptors

Construction Phase (and Equipment Types Involved)	Distance from Nearest Noise-Sensitive Receptor to Construction Site Boundary (Feet)	Distance from Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (Feet)
Demolition (concrete saw, excavator, dozer)	25	160
Site Preparation (dozer, backhoe)	25	160
Grading (excavator, grader, dozer, backhoe)	25	160
Building construction (crane, man-lift, generator, backhoe, welder)	25	160
Paving (paver, roller, concrete mixer truck)	25	160
Architectural Coating (compressor)	25	160

A Microsoft Excel–based noise prediction model, emulating and using reference data from the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels at the nearest occupied noise-sensitive land use. (Although the RCNM was funded and promulgated by the FHWA, it is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are often used for other types of construction.) Input variables for the predictive modeling consist of the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment, and the distance from the noise-sensitive receiver. The RCNM has default duty-cycle values for the various pieces of equipment, which were derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis, which are detailed in Appendix B, Construction Noise Modeling Input and Output. Conservatively, no topographical or structural shielding was assumed in the construction noise modeling. The predicted results from the construction noise modeling for the proposed project are displayed in Table 4.

Table 4. Predicted Construction Noise Levels per Activity Phase

Construction Phase (and Equipment Types Involved)	8-Hour Leq at Nearest Noise-Sensitive Receptor to Construction Site Boundary (dBA)	8-Hour Leq at Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (dBA)
Demolition (concrete saw, excavator, dozer)	84.9	73.1
Site Preparation (dozer, backhoe)	79.4	70.8
Grading (excavator, grader, dozer, backhoe)	84.2	71.5
Building construction (crane, man-lift, generator, backhoe, welder)	78.2	66.7
Paving (paver, roller, concrete mixer truck)	83.6	70.8
Architectural Coating (compressor)	78.7	59.1

Notes: L_{eq} = equivalent noise level; dBA = A-weighted decibels.

As presented in Table 4, the estimated construction noise levels are predicted to be as high as 85 dBA equivalent continuous sound level (L_{eq}) over an 8-hour period at the nearest existing residences (as close as 25 feet away) when demolition activities take place near the project boundary. Construction equipment noise levels for other activity phases are modeled to range from approximately 78 to 84 dBA L_{eq8h} at the nearest existing noise-sensitive receptor when construction operations take place near the project boundary. Note that these estimated noise levels

at a source-to-receiver distance of 25 feet with the assumption that the heavy equipment associated with each phase is operating along the project boundary for a cumulative period of 2 hours a day with equipment performing work at more distant location or simply not operating the remaining time during the day. As such, this would result in an exceedance of the City of Poway construction noise limit of 75 dBA L_{eq8h}.

In order to avoid potentially significant construction noise impacts upon existing residences in the project vicinity, mitigation measure **MM-NOI-1** shall be implemented as indicated site conditions may warrant. Proper application of temporary noise barriers, or comparable sound abatement, that may arise as a result of **MM-NOI-1** implementation has the ability to realize a reduction in noise levels of 10 dB or more, that would correspondingly reduce the predicted 85 dBA eight-hour L_{eq} for the construction phases to a level of 75 dBA L_{eq8h} or less, and thus compliant with the 75 dBA threshold. With implementation of **MM-NOI-1**, impacts would be reduced to being **less than significant**.

Long-Term Operational

Off-Site Traffic Noise Exposure

Less-Than-Significant Impact. The proposed project would result in the creation of additional vehicle trips on local arterial roadways, which could result in increased traffic noise levels at adjacent noise-sensitive land uses. Appendix C, Traffic Noise Modeling Input and Output, contains a spreadsheet with traffic volume data (average daily traffic). In particular, the proposed project would create additional traffic along Oak Knoll Road, which according to the Traffic Impact Assessment prepared for the proposed project (Intersecting Metrics, 2022) would add 640 total average daily trips adjacent to the project site.

According to Caltrans, a 3 dB change in sound is the beginning at which humans generally notice a barely perceptible change in sound, a 5 dB change is generally readily perceptible, and a 10 dB increase is perceived by most people as a doubling of the existing noise level (Caltrans 2013a). Due to the existing and proposed urban setting of the project area, a readily perceptible change in traffic noise levels (5 dBA change) would be the appropriate threshold to determine significant increases in traffic noise.

Potential noise effects from vehicular traffic were assessed using the Federal Highway Administration's Traffic Noise Model version 2.5 (FHWA 2004). Information used in the model included the roadway geometry, existing (year 2022), existing plus project, near-term (opening day) and near-term (opening day) plus project traffic volumes and posted vehicular speed limits. Traffic noise levels were modeled at representative noise-sensitive receivers ST1 through ST4, as shown in Figure 3. The receivers were modeled to be 5 feet above the local ground elevation. The noise model results are summarized in Table 5. Based on results of the model, implementation of the proposed project would not result in readily perceptible increases in traffic noise.

Table 5. Traffic Noise Modeling Results

Modeled Receiver No.	Modeled Traffic Noise Levels (dBA CNEL)				Maximum Project-Related Noise Level Increase (dB)
	Existing (2022)	Existing (2022) with Project	Near-Term (Opening Day) without Project	Near-Term (Opening Day) with Project	
ST1	58.7	59.4	59.3	59.7	0.7
ST2	46.3	46.6	47.0	46.0	0.3
ST3	50.6	50.7	51.2	51.2	0.1
ST4	58.8	58.8	59.4	59.4	0

Source: Appendix C.
Notes: dBA = A-weighted decibel; CNEL = community noise equivalent level; dB = decibel.

Table 5 shows that at all four listed representative receivers, the addition of proposed project's traffic to the roadway network would result in an increase of less than 3 dB CNEL, which is below the perceptible level of change for the average healthy human ear. Thus, long-term traffic noise increases associated with the proposed project, affecting existing residences in the vicinity would be a **less-than-significant** impact.

On-site Traffic Interior Noise Exposure

The City and the state require that interior noise levels not exceed a CNEL of 45 dB within residences. Typically, with the windows open, building shells provide approximately 15 dB of noise reduction; with windows closed, residential construction generally provides a minimum of 25 dB attenuation. Therefore, rooms exposed to an exterior CNEL not greater than 60 dB would result in an interior CNEL of 45 dB or less even with windows open. But when exterior CNEL values range from 60-70 dBA, the windows would need to be closed and thus require that the occupied structure feature mechanical ventilation for interior comfort.

The FHWA TNM model was further implemented to determine the future exterior noise levels at a representative sample of the proposed new homes on lots parallel with Oak Knoll Road. The receivers corresponding to the exterior building façade of the proposed new homes were calculated at modeled building positions B1, B3, B5, B23, B62, and B64, as shown below in Table 6 and on Figure 3.

Table 6. Future Traffic Noise Levels at Residential Facades

Building	Noise Level (CNEL)	
	1st Floor	2nd Floor
B1	56.1	56.4
B3	56.9	57.1
B5	56.2	56.5
B23	53.9	57.3
B62	58.8	58.9
B64	58.8	58.8

Traffic noise results displayed in Table 6 indicate that future traffic noise exposure levels at the closest building facades to Oak Knoll would all be under the maximum exterior noise level threshold for single-family residences (60 CNEL dBA) and would consequently be anticipated to result in an interior CNEL of 45 dB or less, even with the windows open (i.e., 59 dBA CNEL minus 15 dB = 44 dBA CNEL). Therefore, future roadway traffic noise levels at the interior of the proposed residences would be a **less-than-significant** impact.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Construction activities may expose persons to excessive groundborne vibration or groundborne noise, causing a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2020). Information from Caltrans indicates that continuous vibrations with a PPV of approximately 0.2 ips is considered "annoying." For context, heavier pieces of construction equipment, such as a bulldozer that may be expected on the project site, have peak particle velocities of approximately 0.089 ips or less at a reference distance of 25 feet (DOT 2006).

Groundborne vibration attenuates rapidly—even over short distances. And when groundborne vibration encounters a building foundation, a coupling loss occurs depending on the mass and design. For typical wood-framed houses, like those near the proposed project, this coupling loss is 5 vibration velocity decibels according to FTA guidance (FTA 2006). The attenuation of groundborne vibration as it propagates from source to receptor through intervening

soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, for a bulldozer operating on site and as close as the western project boundary (that is 25 feet from the nearest receiving sensitive land use) the estimated vibration velocity level would be 0.089 ips and thus no greater than the annoyance threshold recommended by Caltrans. Therefore, vibration-induced annoyance to occupants of nearby existing homes would be **less-than-significant**.

Construction vibration, at sufficiently high levels, can also present a building damage risk. However, anticipated construction vibration from conventional heavy equipment associated with this proposed project would not yield levels that surpass this risk. Per Caltrans, the recommended PPV threshold for newer residential structures is 0.5 ips and 0.3 ips for older residential structures—both of which are less stringent that the aforementioned threshold to annoy occupants of such structures; thus vibration damage risk to nearby structures is considered **less-than-significant.**

Once operational, the proposed project is not anticipated to include major producers of groundborne vibration. On this basis, vibration due to proposed project operation should be **less than significant**.

C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less-Than-Significant Impact. There are no private airstrips within the vicinity of the project site. The closest airport to the proposed project site is the Marine Corps Air Station Miramar, approximately 6.75 miles northeast of the site and would therefore not expose people residing or working in the project area to excessive noise levels. Impacts would be **less than significant**.

6 Mitigation Measures

The following mitigation measures would be implemented to reduce potentially significant impacts to less than significant.

MM-NOI-1 Prior to the issuance of a Construction Permit, the project applicant/owner or construction contractor shall prepare and submit to the City of Poway Planning Division for its review and approval a Construction Noise Management Plan (CNMP). Prior to the issuance of a Construction Permit, construction plans shall also include a note indicating compliance with the CNMP is required. The CNMP shall be prepared or reviewed by a qualified acoustician (retained at the project applicant/owner or construction contractor's expense) and feature the following:

1) A detailed construction schedule, at daily (or weekly, if activities during each day of the week are typical) resolution and correlating to areas or zones of on-site project construction activities and the anticipated equipment types and quantities involved. Information shall include expected hours of actual operation per day for each type of equipment per phase and indication of anticipated concurrent construction activities on site.

2) Suggested locations for noise level monitoring, attended by a qualified acoustician or another party under his/her supervision or direction, at which sample outdoor ambient noise levels will be measured and collected over a sufficient sample period and subsequently analyzed to ascertain compliance with the eight-hour City of Poway threshold of 75 dBA equivalent noise level. Sampling shall be performed, at a minimum, on the first (or otherwise considered typical construction operations) day of each distinct construction phase (e.g., each of the six listed phases in Table 3, Construction Phase Distance to Nearest Pre-Existing Noise-Sensitive Receptors).

3) If sample collected noise level data indicates that the eight-hour noise threshold has or will be exceeded, construction work shall be suspended (for the activity or phase of concern) and the project applicant/owner or construction contractor shall implement one or more of the following measures as detailed or specified in the CNMP:

    a) Administrative controls (e.g., reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances of noise-sensitive receptors).

    b) Engineering controls (upgrade noise controls, such as install better engine exhaust mufflers, silencers, engine bay dampening, etc.).

    c) Install noise abatement on the project site boundary fencing (or within the project site, as practical and appropriate) in the form of sound blankets or comparable temporary barriers to occlude construction noise transmission between the project site (or specific equipment operation as the situation may define) and the noise-sensitive receptor(s) of concern.

The implemented measure(s) shall be reviewed or otherwise inspected and approved by the qualified acoustician (or another party under his/her supervision or direction) prior to resumption of the construction activity or process that caused the measured noise of concern or need for noise mitigation. Noise levels shall be re-measured, after installation of said measures, to ascertain post-mitigation compliance with the noise threshold. As needed, this process shall be repeated and refined until noise level compliance is demonstrated and

documented. A report of this implemented mitigation and its documented success shall be provided to the City of Poway Planning Division.

4) The project applicant/owner or construction contractor shall make available a telephone hotline so that concerned neighbors in the community may call to report noise complaints. The CNMP shall include a process to investigate these complaints and, if determined to be valid, detail efforts to provide a timely response and resolution to the complainant—with copy of resolution provided to the City of Poway Planning Division.

7 Summary of Findings

This noise report was conducted for the proposed project. The results indicate that potential impacts during construction would be **less than significant with mitigation**. Noise impacts due to long-term operation of the proposed project (including traffic noise) would be a **less than significant** impact. No further mitigation beyond what has been described herein for construction noise is anticipated at this time.

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Appendix A

Noise Measurement Field Data

FORMS DUDEK FIELD DATA REPORT

Field Noise Measurement Data

Record: 1419	
Project Name	*Oak knoll*
Observer(s)	*Connor Burke*
Date	*2022-05-04*

Meteorological Conditions	
Temp (F)	*64*
Humidity % (R.H.)	*63*
Wind	*Calm*
Wind Speed (MPH)	*4*
Wind Direction	*East*
Sky	*Sunny*

Instrument and Calibrator Information	
Instrument Name List	*(ENC) Rion NL-52*
Instrument Name	*(ENC) Rion NL-52*
Instrument Name Lookup Key	*(ENC) Rion NL-52*
Manufacturer	*Rion*
Model	*NL-52*
Serial Number	*553896*
Calibrator Name	*(ENC) LD CAL150*
Calibrator Name	*(ENC) LD CAL150*
Calibrator Name Lookup Key	*(ENC) LD CAL150*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL150*
Calibrator Serial #	*5152*
Pre-Test (dBA SPL)	*94*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*1*
Site ID	*ST1*
Site Location Lat/Long	*32.950567, -117.056818*
Begin (Time)	*09:10:00*
End (Time)	*09:20:00*
Leq	*58.5*
Lmax	*76.2*
Lmin	*40.6*
Other Lx?	*L90, L50, L10*
L90	*43.1*
L50	*48.9*
L10	*58.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Onsite construction*
Other Noise Sources (Background)	*Birds, Distant Traffic, Rustling Leaves*
Other Noise Sources Additional Description	*Front loader moving*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

Photo	

Monitoring

Record #	*2*
Site ID	*ST2*
Site Location Lat/Long	*32.951712, -117.056119*
Begin (Time)	*09:30:00*
End (Time)	*09:40:00*
Leq	*51.1*
Lmax	*70.6*
Lmin	*41*
Other Lx?	*L90, L50, L10*
L90	*44.8*
L50	*49*
L10	*54.2*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*On site construction*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic*
Other Noise Sources Additional Description	*Front loader moving. Back up alarm*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

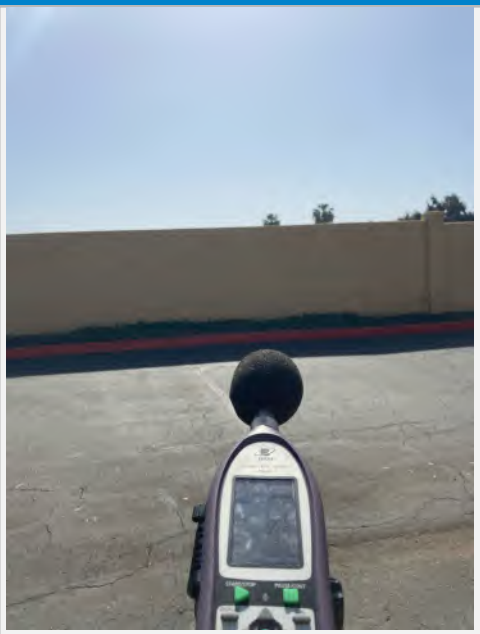
Photo	

Monitoring

Record #	*3*
Site ID	*ST3*
Site Location Lat/Long	*32.951742, -117.057539*
Begin (Time)	*09:50:00*
End (Time)	*10:00:00*
Leq	*56.9*
Lmax	*65.7*
Lmin	*48.9*
Other Lx?	*L90, L50, L10*
L90	*49.2*
L50	*52.8*
L10	*61.8*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*On site construction*
Other Noise Sources (Background)	*Birds, Distant Aircraft*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

Photo	
	

Monitoring

Record #	*4*
Site ID	*ST4*
Site Location Lat/Long	*32.953278, -117.057138*
Begin (Time)	*10:10:00*
End (Time)	*10:20:00*
Leq	*53.8*
Lmax	*66.3*
Lmin	*47.4*
Other Lx?	*L90, L50, L10*
L90	*49.6*
L50	*52.2*
L10	*56.2*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Conversations / Yelling, Distant Traffic*
Other Noise Sources Additional Description	
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

FORMS FIELD DATA REPORT

Source Info and Traffic Counts

Number of Lanes	*4*
Lane Width (feet)	*10*
Roadway Width (feet)	*40*
Roadway Width (m)	*12.2*
Distance to Roadway (feet)	*200*
Distance to Roadway (m)	*61*
Estimated Vehicle Speed (MPH)	*45*
Speeds Estimated by:	*Driving the Pace*

Traffic Counts

Vehicle Count Summary	*A 260, MT 6, HT 2, B 2, MC 0*
Select Method for Recording Count Duration	*Enter Manually*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*10*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*260*
Number of Vehicles - Medium Trucks	*6*
Number of Vehicles - Heavy Trucks	*2*
Number of Vehicles - Buses	*2*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo

Appendix B

Construction Noise Modeling Input and Output

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at "occupied property", per County of San Diego 36.409 = 75
allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90		25	0.1		95.9	2	120	83	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	1	40	81		25	0.1		86.9	2	120	77	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82		25	0.1		87.9	2	120	78	5	5	0	30	5	25	30.4	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Demolition Phase:			84.9																
Site Preparation	dozer	1	40	82		25	0.1		87.9	2	120	78	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	1	40	78		25	0.1		83.9	2	120	74	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Site Preparation Phase:			79.4																
Grading	excavator	1	40	81		25	0.1		86.9	2	120	77	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	grader	1	40	85		25	0.1		90.9	2	120	81	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82		25	0.1		87.9	2	120	78	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	1	40	78		25	0.1		83.9	2	120	74	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Grading Phase:			84.2																
Building Construction	crane	1	16	81		25	0.1		86.9	2	120	73	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	1	20	75		25	0.1		80.9	2	120	68	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	1	50	72		25	0.1		77.9	2	120	69	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	1	40	78		25	0.1		83.9	2	120	74	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	1	40	73		25	0.1		78.9	2	120	69	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Building Construction Phase:			78.2																
Paving	concrete mixer truck	1	40	79		25	0.1		84.9	2	120	75	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	paver	1	50	77		25	0.1		82.9	2	120	74	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	all other equipment > 5 HP	1	50	85		25	0.1		90.9	2	120	82	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	roller	1	20	80		25	0.1		85.9	2	120	73	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Paving Phase:			83.6																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at "occupied property", per County of San Diego 36.409 = 75

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

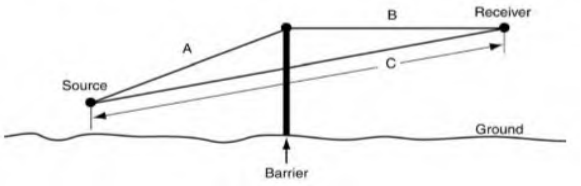
Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90		160	0.1		76.3	8	480	69	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	3	40	81		160	0.1		67.3	8	480	68	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	2	40	82		160	0.1		68.3	8	480	67	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Demolition Phase:			**73.1**																
Site Preparation	dozer	3	40	82		160	0.1		68.3	8	480	69	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	4	40	78		160	0.1		64.3	7	420	66	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Site Preparation Phase:			**70.8**																
Grading	excavator	2	40	81		160	0.1		67.3	8	480	66	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	grader	1	40	85		160	0.1		71.3	8	480	67	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82		160	0.1		68.3	7	420	64	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	2	40	78		160	0.1		64.3	7	420	63	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Grading Phase:			**71.5**																
Building Construction	crane	1	16	81		160	0.1		67.3	8	480	59	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	3	20	75		160	0.1		61.3	7	420	59	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	1	50	72		160	0.1		58.3	8	480	55	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	3	40	78		160	0.1		64.3	6	360	64	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	1	40	73		160	0.1		59.3	8	480	55	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Building Construction Phase:			**66.7**																
Paving	concrete mixer truck	1	40	79		160	0.1		65.3	8	480	61	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	paver	2	50	77		160	0.1		63.3	8	480	63	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	all other equipment > 5 HP	1	50	85		160	0.1		71.3	8	480	68	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	roller	2	20	80		160	0.1		66.3	8	480	62	5	5	0	155	5	160	155.1	7.1	160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Paving Phase:			**70.8**																

Equipment Description	Impact Device?	Acoustical Use Factor (%)	Lesser of or available Lmax	Spec. 721 Lmax	Measured L_{max} @50ft (dBA, slow)
All Other Equipment > 5 HP	No	50	85	85	-- N/A --
Auger Drill Rig	No	20	84	85	84
Backhoe	No	40	78	80	78
Bar Bender	No	20	80	80	-- N/A --
Blasting	Yes	-- N/A --	94	94	-- N/A --
Boring Jack Power Unit	No	50	80	80	83
Chain Saw	No	20	84	85	84
Clam Shovel (dropping)	Yes	20	87	93	87
Compactor (ground)	No	20	80	80	83
Compressor (air)	No	40	78	80	78
Concrete Batch Plant	No	15	83	83	-- N/A --
Concrete Mixer Truck	No	40	79	85	79
Concrete Pump Truck	No	20	81	82	81
Concrete Saw	No	20	90	90	90
Crane	No	16	81	85	81
Dozer	No	40	82	85	82
Drill Rig Truck	No	20	79	84	79
Drum Mixer	No	50	80	80	80
Dump Truck	No	40	76	84	76
Excavator	No	40	81	85	81
Flat Bed Truck	No	40	74	84	74
Front End Loader	No	40	79	80	79
Generator	No	50	72	72	81
Generator (<25KVA, VMS signs)	No	50	70	70	73
Gradall	No	40	83	85	83
Grader	No	40	85	85	-- N/A --
Grapple (on backhoe)	No	40	85	85	87
Horizontal Boring Hydr. Jack	No	25	80	80	82
Hydra Break Ram	Yes	10	90	90	-- N/A --
Impact Pile Driver	Yes	20	95	95	101
Jackhammer	Yes	20	85	85	89
Man Lift	No	20	75	85	75
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	90
Pavement Scarafier	No	20	85	85	90
Paver	No	50	77	85	77
Pickup Truck	No	40	55	55	75
Pneumatic Tools	No	50	85	85	85
Pumps	No	50	77	77	81
Refrigerator Unit	No	100	73	82	73
Rivit Buster/chipping gun	Yes	20	79	85	79
Rock Drill	No	20	81	85	81
Roller	No	20	80	85	80
Sand Blasting (Single Nozzle)	No	20	85	85	96
Scraper	No	40	84	85	84
Shears (on backhoe)	No	40	85	85	96
Slurry Plant	No	100	78	78	78
Slurry Trenching Machine	No	50	80	82	80
Soil Mix Drill Rig	No	50	80	80	-- N/A --
Tractor	No	40	84	84	-- N/A --
Vacuum Excavator (Vac-truck)	No	40	85	85	85
Vacuum Street Sweeper	No	10	80	80	82
Ventilation Fan	No	100	79	85	79
Vibrating Hopper	No	50	85	85	87
Vibratory Concrete Mixer	No	20	80	80	80
Vibratory Pile Driver	No	20	95	95	101
Warning Horn	No	5	83	85	83
Welder / Torch	No	40	73	73	74

$Source_{elev}$	5.0	A_{horiz}	24.0	A	25.0
$Receiver_{elev}$	10.0	B_{horiz}	38.0	B	38.1
C	62.2	C_{horiz}	62.0		
P	0.85				
$Barrier_{elev}$	12				
Abarr	12.3				

The above calculations, refering to inputs from the figure at right, helps a user estimate what barrier attenuation (Abarr) to expect (i.e., up to 15 per formula to right) based upon source height (above grade), barrier height, and receiver height, and the horizontal distances between the source and receiver to the barrier. The FTA-based formula in the worksheets use these path length (P) and Abarr values to determine the barrier's insertion loss.

Barrier Parameter P
P= A+B-C



For all other barriers, and for protrusion of terrain above the line of sight:	$A_{barrier} = \min\left\{15 or\left[20\times\log\left(\frac{2.51\sqrt{P}}{\tanh\left[4.46\sqrt{P}\right]}\right)+5\right]\right\}$
Barrier Insertion Loss	$IL_{barrier} = \max\left\{0 or\left[A_{barrier} - 10(G_{NB} - G_B)\log\left(\frac{D}{50}\right)\right]\right\}$

D = closest distance between the receiver and the source, in feet
P = path length difference, in feet (see figure below)
G_{NB} = Ground factor G computed *without barrier* (see Figure 6-5)
G_B = Ground factor G computed *with barrier* (see Figure 6-5)

† The term "tanh(variable)" stands for hyperbolic tangent, available on many scientific calculators. If "tanh" is not available, then compute E = exp(variable), and set tanh(variable) = (E - 1/E) / (E + 1/E), where exp(variable) is the "exponential" function, also written as e^x on calculator keypads.

Sources: Transit Noise & Vibration Impact Assessment (FTA 2006)

Appendix C

Traffic Noise Modeling Input and Output

Dudek 16 June 2022
CB TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Poway West	40.0	point1	1	6,849,802.0	1,442,273.6	0.00				Average	
		point2	2	6,850,057.0	1,442,343.2	0.00				Average	
		point3	3	6,850,171.0	1,442,396.2	0.00				Average	
		point4	4	6,850,274.5	1,442,458.6	0.00				Average	
		point5	5	6,850,406.5	1,442,561.6	0.00				Average	
		point6	6	6,850,521.0	1,442,663.1	0.00				Average	
		point7	7	6,850,683.0	1,442,811.1	0.00				Average	
		point8	8	6,850,813.5	1,442,935.8	0.00				Average	
		point9	9	6,850,912.0	1,443,021.1	0.00				Average	
		point10	10	6,851,056.5	1,443,154.2	0.00				Average	
		point11	11	6,851,260.5	1,443,340.2	0.00				Average	
		point12	12	6,851,396.5	1,443,469.9	0.00				Average	
		point13	13	6,851,546.0	1,443,606.4	0.00				Average	
		point14	14	6,851,608.0	1,443,664.5	0.00				Average	
		point15	15	6,851,703.0	1,443,749.0	0.00				Average	
		point16	16	6,851,857.5	1,443,865.8	0.00				Average	
		point17	17	6,851,984.0	1,443,929.9	0.00					
Poway East	40.0	point18	18	6,851,993.0	1,443,883.6	0.00				Average	
		point19	19	6,851,914.5	1,443,848.8	0.00				Average	
		point20	20	6,851,801.0	1,443,778.1	0.00				Average	
		point21	21	6,851,720.0	1,443,703.9	0.00				Average	
		point22	22	6,851,583.5	1,443,581.2	0.00				Average	
		point23	23	6,851,441.0	1,443,448.9	0.00				Average	
		point24	24	6,851,268.5	1,443,288.5	0.00				Average	
		point25	25	6,851,107.0	1,443,145.9	0.00				Average	

		point26	26	6,850,914.5	1,442,967.1	0.00				Average	
		point27	27	6,850,738.5	1,442,803.9	0.00				Average	
		point28	28	6,850,585.0	1,442,662.0	0.00				Average	
		point29	29	6,850,428.0	1,442,519.0	0.00				Average	
		point30	30	6,850,308.5	1,442,425.4	0.00				Average	
		point31	31	6,850,161.5	1,442,338.0	0.00				Average	
		point32	32	6,850,000.5	1,442,279.0	0.00				Average	
		point33	33	6,849,812.0	1,442,228.5	0.00					
Oak Knoll	40.0	point34	34	6,852,005.5	1,441,920.5	0.00				Average	
		point35	35	6,851,941.0	1,441,912.5	0.00				Average	
		point36	36	6,851,618.5	1,441,872.0	0.00				Average	
		point37	37	6,851,269.5	1,441,829.4	0.00				Average	
		point38	38	6,850,870.0	1,441,781.9	0.00				Average	
		point39	39	6,850,430.5	1,441,724.9	0.00				Average	
		point40	40	6,849,817.0	1,441,645.2	0.00					
Carriage Road	40.0	point41	41	6,852,012.5	1,443,861.8	0.00				Average	
		point42	42	6,852,024.0	1,443,362.1	0.00				Average	
		point43	43	6,852,022.5	1,442,903.9	0.00				Average	
		point44	44	6,852,028.5	1,442,349.2	0.00				Average	
		point45	45	6,852,023.0	1,441,893.8	0.00					

Dudek **16 June 2022**
CB **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Oak Knoll**
RUN: **Existing**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Poway West	point1	1	1285	35	26	35	13	35	0	0	0	0
	point2	2	1285	35	26	35	13	35	0	0	0	0
	point3	3	1285	35	26	35	13	35	0	0	0	0
	point4	4	1285	35	26	35	13	35	0	0	0	0
	point5	5	1285	35	26	35	13	35	0	0	0	0
	point6	6	1285	35	26	35	13	35	0	0	0	0
	point7	7	1285	35	26	35	13	35	0	0	0	0
	point8	8	1285	35	26	35	13	35	0	0	0	0
	point9	9	1285	35	26	35	13	35	0	0	0	0
	point10	10	1285	35	26	35	13	35	0	0	0	0
	point11	11	1285	35	26	35	13	35	0	0	0	0
	point12	12	1285	35	26	35	13	35	0	0	0	0
	point13	13	1285	35	26	35	13	35	0	0	0	0
	point14	14	1285	35	26	35	13	35	0	0	0	0
	point15	15	1285	35	26	35	13	35	0	0	0	0
	point16	16	1285	35	26	35	13	35	0	0	0	0
	point17	17										
Poway East	point18	18	1285	35	26	35	13	35	6	35	0	0
	point19	19	1285	35	26	35	13	35	6	35	0	0
	point20	20	1285	35	26	35	13	35	6	35	0	0
	point21	21	1285	35	26	35	13	35	6	35	0	0
	point22	22	1285	35	26	35	13	35	6	35	0	0
	point23	23	1285	35	26	35	13	35	6	35	0	0

	point24	24	1285	35	26	35	13	35	6	35	0	0
	point25	25	1285	35	26	35	13	35	6	35	0	0
	point26	26	1285	35	26	35	13	35	6	35	0	0
	point27	27	1285	35	26	35	13	35	6	35	0	0
	point28	28	1285	35	26	35	13	35	6	35	0	0
	point29	29	1285	35	26	35	13	35	6	35	0	0
	point30	30	1285	35	26	35	13	35	6	35	0	0
	point31	31	1285	35	26	35	13	35	6	35	0	0
	point32	32	1285	35	26	35	13	35	6	35	0	0
	point33	33										
Oak Knoll	point34	34	360	25	7	25	3	25	0	0	0	0
	point35	35	360	25	7	25	3	25	0	0	0	0
	point36	36	360	25	7	25	3	25	0	0	0	0
	point37	37	360	25	7	25	3	25	0	0	0	0
	point38	38	360	25	7	25	3	25	0	0	0	0
	point39	39	360	25	7	25	3	25	0	0	0	0
	point40	40										
Carriage Road	point41	41	0	0	0	0	0	0	0	0	0	0
	point42	42	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point45	45										

Dudek
CB

16 June 2022
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	6,851,142.5	1,441,781.1	0.00	4.92	58.50	66	10.0	8.0	Y
ST2	2	1	6,851,350.0	1,442,204.1	0.00	4.92	51.10	66	10.0	8.0	Y
ST4	3	1	6,851,026.5	1,442,778.0	0.00	4.92	53.80	66	10.0	8.0	Y
ST3	4	1	6,850,863.0	1,442,198.2	0.00	4.92	56.90	66	10.0	8.0	Y

Dudek
CB

16 June 2022
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Incre-ment	#Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Condo wall	W	0.00	99.99	0.00				0.00	point1	1	6,850,681.5	1,442,709.5	0.00	8.00	0.00	0	0		
									point2	2	6,850,914.5	1,442,702.0	0.00	8.00	0.00	0	0		
									point3	3	6,850,913.5	1,442,502.8	0.00	8.00	0.00	0	0		
									point4	4	6,850,910.0	1,442,233.8	0.00	8.00	0.00	0	0		
									point5	5	6,850,903.0	1,441,817.1	0.00	8.00					

Dudek
CB
16 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	58.5	58.7	66	0.2	10	----	58.7	0.0	8	-8.0
ST2	2	1	51.1	46.3	66	-4.8	10	----	46.3	0.0	8	-8.0
ST4	3	1	53.8	58.8	66	5.0	10	----	58.8	0.0	8	-8.0
ST3	4	1	56.9	50.6	66	-6.3	10	----	50.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	4	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 16 June 2022
CB TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing + Project

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Poway West	40.0	point1	1	6,849,802.0	1,442,273.6	0.00				Average	
		point2	2	6,850,057.0	1,442,343.2	0.00				Average	
		point3	3	6,850,171.0	1,442,396.2	0.00				Average	
		point4	4	6,850,274.5	1,442,458.6	0.00				Average	
		point5	5	6,850,406.5	1,442,561.6	0.00				Average	
		point6	6	6,850,521.0	1,442,663.1	0.00				Average	
		point7	7	6,850,683.0	1,442,811.1	0.00				Average	
		point8	8	6,850,813.5	1,442,935.8	0.00				Average	
		point9	9	6,850,912.0	1,443,021.1	0.00				Average	
		point10	10	6,851,056.5	1,443,154.2	0.00				Average	
		point11	11	6,851,260.5	1,443,340.2	0.00				Average	
		point12	12	6,851,396.5	1,443,469.9	0.00				Average	
		point13	13	6,851,546.0	1,443,606.4	0.00				Average	
		point14	14	6,851,608.0	1,443,664.5	0.00				Average	
		point15	15	6,851,703.0	1,443,749.0	0.00				Average	
		point16	16	6,851,857.5	1,443,865.8	0.00				Average	
		point17	17	6,851,984.0	1,443,929.9	0.00					
Poway East	40.0	point18	18	6,851,993.0	1,443,883.6	0.00				Average	
		point19	19	6,851,914.5	1,443,848.8	0.00				Average	
		point20	20	6,851,801.0	1,443,778.1	0.00				Average	
		point21	21	6,851,720.0	1,443,703.9	0.00				Average	
		point22	22	6,851,583.5	1,443,581.2	0.00				Average	
		point23	23	6,851,441.0	1,443,448.9	0.00				Average	
		point24	24	6,851,268.5	1,443,288.5	0.00				Average	
		point25	25	6,851,107.0	1,443,145.9	0.00				Average	

		point26	26	6,850,914.5	1,442,967.1	0.00				Average	
		point27	27	6,850,738.5	1,442,803.9	0.00				Average	
		point28	28	6,850,585.0	1,442,662.0	0.00				Average	
		point29	29	6,850,428.0	1,442,519.0	0.00				Average	
		point30	30	6,850,308.5	1,442,425.4	0.00				Average	
		point31	31	6,850,161.5	1,442,338.0	0.00				Average	
		point32	32	6,850,000.5	1,442,279.0	0.00				Average	
		point33	33	6,849,812.0	1,442,228.5	0.00					
Oak Knoll	40.0	point34	34	6,852,005.5	1,441,920.5	0.00				Average	
		point35	35	6,851,941.0	1,441,912.5	0.00				Average	
		point36	36	6,851,618.5	1,441,872.0	0.00				Average	
		point37	37	6,851,269.5	1,441,829.4	0.00				Average	
		point38	38	6,850,870.0	1,441,781.9	0.00				Average	
		point39	39	6,850,430.5	1,441,724.9	0.00				Average	
		point40	40	6,849,817.0	1,441,645.2	0.00					
Carriage Road	40.0	point41	41	6,852,012.5	1,443,861.8	0.00				Average	
		point42	42	6,852,024.0	1,443,362.1	0.00				Average	
		point43	43	6,852,022.5	1,442,903.9	0.00				Average	
		point44	44	6,852,028.5	1,442,349.2	0.00				Average	
		point45	45	6,852,023.0	1,441,893.8	0.00					

Dudek **16 June 2022**
CB **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Oak Knoll**
RUN: **Existing + Project**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Poway West	point1	1	1285	35	26	35	13	35	0	0	0	0
	point2	2	1285	35	26	35	13	35	0	0	0	0
	point3	3	1285	35	26	35	13	35	0	0	0	0
	point4	4	1285	35	26	35	13	35	0	0	0	0
	point5	5	1285	35	26	35	13	35	0	0	0	0
	point6	6	1285	35	26	35	13	35	0	0	0	0
	point7	7	1285	35	26	35	13	35	0	0	0	0
	point8	8	1285	35	26	35	13	35	0	0	0	0
	point9	9	1285	35	26	35	13	35	0	0	0	0
	point10	10	1285	35	26	35	13	35	0	0	0	0
	point11	11	1285	35	26	35	13	35	0	0	0	0
	point12	12	1285	35	26	35	13	35	0	0	0	0
	point13	13	1285	35	26	35	13	35	0	0	0	0
	point14	14	1285	35	26	35	13	35	0	0	0	0
	point15	15	1285	35	26	35	13	35	0	0	0	0
	point16	16	1285	35	26	35	13	35	0	0	0	0
	point17	17										
Poway East	point18	18	1285	35	26	35	13	35	6	35	0	0
	point19	19	1285	35	26	35	13	35	6	35	0	0
	point20	20	1285	35	26	35	13	35	6	35	0	0
	point21	21	1285	35	26	35	13	35	6	35	0	0
	point22	22	1285	35	26	35	13	35	6	35	0	0
	point23	23	1285	35	26	35	13	35	6	35	0	0

	point24	24	1285	35	26	35	13	35	6	35	0	0
	point25	25	1285	35	26	35	13	35	6	35	0	0
	point26	26	1285	35	26	35	13	35	6	35	0	0
	point27	27	1285	35	26	35	13	35	6	35	0	0
	point28	28	1285	35	26	35	13	35	6	35	0	0
	point29	29	1285	35	26	35	13	35	6	35	0	0
	point30	30	1285	35	26	35	13	35	6	35	0	0
	point31	31	1285	35	26	35	13	35	6	35	0	0
	point32	32	1285	35	26	35	13	35	6	35	0	0
	point33	33										
Oak Knoll	point34	34	415	25	8	25	4	25	0	0	0	0
	point35	35	415	25	8	25	4	25	0	0	0	0
	point36	36	415	25	8	25	4	25	0	0	0	0
	point37	37	415	25	8	25	4	25	0	0	0	0
	point38	38	415	25	8	25	4	25	0	0	0	0
	point39	39	415	25	8	25	4	25	0	0	0	0
	point40	40										
Carriage Road	point41	41	0	0	0	0	0	0	0	0	0	0
	point42	42	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point45	45										

Dudek 16 June 2022
CB TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing + Project

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	6,851,142.5	1,441,781.1	0.00	4.92	58.50	66	10.0	8.0	Y
ST2	2	1	6,851,350.0	1,442,204.1	0.00	4.92	51.10	66	10.0	8.0	Y
ST4	3	1	6,851,026.5	1,442,778.0	0.00	4.92	53.80	66	10.0	8.0	Y
ST3	4	1	6,850,863.0	1,442,198.2	0.00	4.92	56.90	66	10.0	8.0	Y

Dudek 16 June 2022
CB TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing + Project

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Incre-ment	#Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Condo wall	W	0.00	99.99	0.00				0.00	point1	1	6,850,681.5	1,442,709.5	0.00	8.00	0.00	0	0		
									point2	2	6,850,914.5	1,442,702.0	0.00	8.00	0.00	0	0		
									point3	3	6,850,913.5	1,442,502.8	0.00	8.00	0.00	0	0		
									point4	4	6,850,910.0	1,442,233.8	0.00	8.00	0.00	0	0		
									point5	5	6,850,903.0	1,441,817.1	0.00	8.00					

Dudek
CB

16 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Oak Knoll
RUN: Existing + Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	58.5	59.4	66	0.9	10	----	59.4	0.0	8	-8.0
ST2	2	1	51.1	46.6	66	-4.5	10	----	46.6	0.0	8	-8.0
ST4	3	1	53.8	58.8	66	5.0	10	----	58.8	0.0	8	-8.0
ST3	4	1	56.9	50.7	66	-6.2	10	----	50.7	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	4	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 16 June 2022
CB TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Poway West	40.0	point1	1	6,849,802.0	1,442,273.6	0.00				Average	
		point2	2	6,850,057.0	1,442,343.2	0.00				Average	
		point3	3	6,850,171.0	1,442,396.2	0.00				Average	
		point4	4	6,850,274.5	1,442,458.6	0.00				Average	
		point5	5	6,850,406.5	1,442,561.6	0.00				Average	
		point6	6	6,850,521.0	1,442,663.1	0.00				Average	
		point7	7	6,850,683.0	1,442,811.1	0.00				Average	
		point8	8	6,850,813.5	1,442,935.8	0.00				Average	
		point9	9	6,850,912.0	1,443,021.1	0.00				Average	
		point10	10	6,851,056.5	1,443,154.2	0.00				Average	
		point11	11	6,851,260.5	1,443,340.2	0.00				Average	
		point12	12	6,851,396.5	1,443,469.9	0.00				Average	
		point13	13	6,851,546.0	1,443,606.4	0.00				Average	
		point14	14	6,851,608.0	1,443,664.5	0.00				Average	
		point15	15	6,851,703.0	1,443,749.0	0.00				Average	
		point16	16	6,851,857.5	1,443,865.8	0.00				Average	
		point17	17	6,851,984.0	1,443,929.9	0.00					
Poway East	40.0	point18	18	6,851,993.0	1,443,883.6	0.00				Average	
		point19	19	6,851,914.5	1,443,848.8	0.00				Average	
		point20	20	6,851,801.0	1,443,778.1	0.00				Average	
		point21	21	6,851,720.0	1,443,703.9	0.00				Average	
		point22	22	6,851,583.5	1,443,581.2	0.00				Average	
		point23	23	6,851,441.0	1,443,448.9	0.00				Average	
		point24	24	6,851,268.5	1,443,288.5	0.00				Average	
		point25	25	6,851,107.0	1,443,145.9	0.00				Average	

		point26	26	6,850,914.5	1,442,967.1	0.00				Average	
		point27	27	6,850,738.5	1,442,803.9	0.00				Average	
		point28	28	6,850,585.0	1,442,662.0	0.00				Average	
		point29	29	6,850,428.0	1,442,519.0	0.00				Average	
		point30	30	6,850,308.5	1,442,425.4	0.00				Average	
		point31	31	6,850,161.5	1,442,338.0	0.00				Average	
		point32	32	6,850,000.5	1,442,279.0	0.00				Average	
		point33	33	6,849,812.0	1,442,228.5	0.00					
Oak Knoll	40.0	point34	34	6,852,005.5	1,441,920.5	0.00				Average	
		point35	35	6,851,941.0	1,441,912.5	0.00				Average	
		point36	36	6,851,618.5	1,441,872.0	0.00				Average	
		point37	37	6,851,269.5	1,441,829.4	0.00				Average	
		point38	38	6,850,870.0	1,441,781.9	0.00				Average	
		point39	39	6,850,430.5	1,441,724.9	0.00				Average	
		point40	40	6,849,817.0	1,441,645.2	0.00					
Carriage Road	40.0	point41	41	6,852,012.5	1,443,861.8	0.00				Average	
		point42	42	6,852,024.0	1,443,362.1	0.00				Average	
		point43	43	6,852,022.5	1,442,903.9	0.00				Average	
		point44	44	6,852,028.5	1,442,349.2	0.00				Average	
		point45	45	6,852,023.0	1,441,893.8	0.00					

Dudek **16 June 2022**
CB **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Oak Knoll**
RUN: **Near Term**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Poway West	point1	1	1488	35	30	35	15	35	0	0	0	0
	point2	2	1488	35	30	35	15	35	0	0	0	0
	point3	3	1488	35	30	35	15	35	0	0	0	0
	point4	4	1488	35	30	35	15	35	0	0	0	0
	point5	5	1488	35	30	35	15	35	0	0	0	0
	point6	6	1488	35	30	35	15	35	0	0	0	0
	point7	7	1488	35	30	35	15	35	0	0	0	0
	point8	8	1488	35	30	35	15	35	0	0	0	0
	point9	9	1488	35	30	35	15	35	0	0	0	0
	point10	10	1488	35	30	35	15	35	0	0	0	0
	point11	11	1488	35	30	35	15	35	0	0	0	0
	point12	12	1488	35	30	35	15	35	0	0	0	0
	point13	13	1488	35	30	35	15	35	0	0	0	0
	point14	14	1488	35	30	35	15	35	0	0	0	0
	point15	15	1488	35	30	35	15	35	0	0	0	0
	point16	16	1488	35	30	35	15	35	0	0	0	0
	point17	17										
Poway East	point18	18	1488	35	30	35	15	35	6	35	0	0
	point19	19	1488	35	30	35	15	35	6	35	0	0
	point20	20	1488	35	30	35	15	35	6	35	0	0
	point21	21	1488	35	30	35	15	35	6	35	0	0
	point22	22	1488	35	30	35	15	35	6	35	0	0
	point23	23	1488	35	30	35	15	35	6	35	0	0

	point24	24	1488	35	30	35	15	35	6	35	0	0
	point25	25	1488	35	30	35	15	35	6	35	0	0
	point26	26	1488	35	30	35	15	35	6	35	0	0
	point27	27	1488	35	30	35	15	35	6	35	0	0
	point28	28	1488	35	30	35	15	35	6	35	0	0
	point29	29	1488	35	30	35	15	35	6	35	0	0
	point30	30	1488	35	30	35	15	35	6	35	0	0
	point31	31	1488	35	30	35	15	35	6	35	0	0
	point32	32	1488	35	30	35	15	35	6	35	0	0
	point33	33										
Oak Knoll	point34	34	388	25	8	25	4	25	0	0	0	0
	point35	35	388	25	8	25	4	25	0	0	0	0
	point36	36	388	25	8	25	4	25	0	0	0	0
	point37	37	388	25	8	25	4	25	0	0	0	0
	point38	38	388	25	8	25	4	25	0	0	0	0
	point39	39	388	25	8	25	4	25	0	0	0	0
	point40	40										
Carriage Road	point41	41	0	0	0	0	0	0	0	0	0	0
	point42	42	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point45	45										

Dudek 16 June 2022
CB TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	6,851,142.5	1,441,781.1	0.00	4.92	58.50	66	10.0	8.0	Y
ST2	2	1	6,851,350.0	1,442,204.1	0.00	4.92	51.10	66	10.0	8.0	Y
ST4	3	1	6,851,026.5	1,442,778.0	0.00	4.92	53.80	66	10.0	8.0	Y
ST3	4	1	6,850,863.0	1,442,198.2	0.00	4.92	56.90	66	10.0	8.0	Y

Dudek
CB

16 June 2022
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Increment	#Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Condo wall	W	0.00	99.99	0.00				0.00	point1	1	6,850,681.5	1,442,709.5	0.00	8.00	0.00	0	0		
									point2	2	6,850,914.5	1,442,702.0	0.00	8.00	0.00	0	0		
									point3	3	6,850,913.5	1,442,502.8	0.00	8.00	0.00	0	0		
									point4	4	6,850,910.0	1,442,233.8	0.00	8.00	0.00	0	0		
									point5	5	6,850,903.0	1,441,817.1	0.00	8.00					

Dudek
CB

16 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	58.5	59.3	66	0.8	10	----	59.3	0.0	8	-8.0
ST2	2	1	51.1	47.0	66	-4.1	10	----	47.0	0.0	8	-8.0
ST4	3	1	53.8	59.4	66	5.6	10	----	59.4	0.0	8	-8.0
ST3	4	1	56.9	51.2	66	-5.7	10	----	51.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	4	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 16 June 2022
CB TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term + Project

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Poway West	40.0	point1	1	6,849,802.0	1,442,273.6	0.00				Average	
		point2	2	6,850,057.0	1,442,343.2	0.00				Average	
		point3	3	6,850,171.0	1,442,396.2	0.00				Average	
		point4	4	6,850,274.5	1,442,458.6	0.00				Average	
		point5	5	6,850,406.5	1,442,561.6	0.00				Average	
		point6	6	6,850,521.0	1,442,663.1	0.00				Average	
		point7	7	6,850,683.0	1,442,811.1	0.00				Average	
		point8	8	6,850,813.5	1,442,935.8	0.00				Average	
		point9	9	6,850,912.0	1,443,021.1	0.00				Average	
		point10	10	6,851,056.5	1,443,154.2	0.00				Average	
		point11	11	6,851,260.5	1,443,340.2	0.00				Average	
		point12	12	6,851,396.5	1,443,469.9	0.00				Average	
		point13	13	6,851,546.0	1,443,606.4	0.00				Average	
		point14	14	6,851,608.0	1,443,664.5	0.00				Average	
		point15	15	6,851,703.0	1,443,749.0	0.00				Average	
		point16	16	6,851,857.5	1,443,865.8	0.00				Average	
		point17	17	6,851,984.0	1,443,929.9	0.00					
Poway East	40.0	point18	18	6,851,993.0	1,443,883.6	0.00				Average	
		point19	19	6,851,914.5	1,443,848.8	0.00				Average	
		point20	20	6,851,801.0	1,443,778.1	0.00				Average	
		point21	21	6,851,720.0	1,443,703.9	0.00				Average	
		point22	22	6,851,583.5	1,443,581.2	0.00				Average	
		point23	23	6,851,441.0	1,443,448.9	0.00				Average	
		point24	24	6,851,268.5	1,443,288.5	0.00				Average	
		point25	25	6,851,107.0	1,443,145.9	0.00				Average	

		point26	26	6,850,914.5	1,442,967.1	0.00				Average	
		point27	27	6,850,738.5	1,442,803.9	0.00				Average	
		point28	28	6,850,585.0	1,442,662.0	0.00				Average	
		point29	29	6,850,428.0	1,442,519.0	0.00				Average	
		point30	30	6,850,308.5	1,442,425.4	0.00				Average	
		point31	31	6,850,161.5	1,442,338.0	0.00				Average	
		point32	32	6,850,000.5	1,442,279.0	0.00				Average	
		point33	33	6,849,812.0	1,442,228.5	0.00					
Oak Knoll	40.0	point34	34	6,852,005.5	1,441,920.5	0.00				Average	
		point35	35	6,851,941.0	1,441,912.5	0.00				Average	
		point36	36	6,851,618.5	1,441,872.0	0.00				Average	
		point37	37	6,851,269.5	1,441,829.4	0.00				Average	
		point38	38	6,850,870.0	1,441,781.9	0.00				Average	
		point39	39	6,850,430.5	1,441,724.9	0.00				Average	
		point40	40	6,849,817.0	1,441,645.2	0.00					
Carriage Road	40.0	point41	41	6,852,012.5	1,443,861.8	0.00				Average	
		point42	42	6,852,024.0	1,443,362.1	0.00				Average	
		point43	43	6,852,022.5	1,442,903.9	0.00				Average	
		point44	44	6,852,028.5	1,442,349.2	0.00				Average	
		point45	45	6,852,023.0	1,441,893.8	0.00					

Dudek 16 June 2022
CB TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term + Project

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Poway West	point1	1	1488	35	30	35	15	35	0	0	0	0
	point2	2	1488	35	30	35	15	35	0	0	0	0
	point3	3	1488	35	30	35	15	35	0	0	0	0
	point4	4	1488	35	30	35	15	35	0	0	0	0
	point5	5	1488	35	30	35	15	35	0	0	0	0
	point6	6	1488	35	30	35	15	35	0	0	0	0
	point7	7	1488	35	30	35	15	35	0	0	0	0
	point8	8	1488	35	30	35	15	35	0	0	0	0
	point9	9	1488	35	30	35	15	35	0	0	0	0
	point10	10	1488	35	30	35	15	35	0	0	0	0
	point11	11	1488	35	30	35	15	35	0	0	0	0
	point12	12	1488	35	30	35	15	35	0	0	0	0
	point13	13	1488	35	30	35	15	35	0	0	0	0
	point14	14	1488	35	30	35	15	35	0	0	0	0
	point15	15	1488	35	30	35	15	35	0	0	0	0
	point16	16	1488	35	30	35	15	35	0	0	0	0
	point17	17										
Poway East	point18	18	1488	35	30	35	15	35	6	35	0	0
	point19	19	1488	35	30	35	15	35	6	35	0	0
	point20	20	1488	35	30	35	15	35	6	35	0	0
	point21	21	1488	35	30	35	15	35	6	35	0	0
	point22	22	1488	35	30	35	15	35	6	35	0	0
	point23	23	1488	35	30	35	15	35	6	35	0	0

	point24	24	1488	35	30	35	15	35	6	35	0	0
	point25	25	1488	35	30	35	15	35	6	35	0	0
	point26	26	1488	35	30	35	15	35	6	35	0	0
	point27	27	1488	35	30	35	15	35	6	35	0	0
	point28	28	1488	35	30	35	15	35	6	35	0	0
	point29	29	1488	35	30	35	15	35	6	35	0	0
	point30	30	1488	35	30	35	15	35	6	35	0	0
	point31	31	1488	35	30	35	15	35	6	35	0	0
	point32	32	1488	35	30	35	15	35	6	35	0	0
	point33	33										
Oak Knoll	point34	34	442	25	9	25	4	25	0	0	0	0
	point35	35	442	25	9	25	4	25	0	0	0	0
	point36	36	442	25	9	25	4	25	0	0	0	0
	point37	37	442	25	9	25	4	25	0	0	0	0
	point38	38	442	25	9	25	4	25	0	0	0	0
	point39	39	442	25	9	25	4	25	0	0	0	0
	point40	40										
Carriage Road	point41	41	0	0	0	0	0	0	0	0	0	0
	point42	42	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point45	45										

Dudek 16 June 2022
CB TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term + Project

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	6,851,142.5	1,441,781.1	0.00	4.92	58.50	66	10.0	8.0	Y
ST2	2	1	6,851,350.0	1,442,204.1	0.00	4.92	51.10	66	10.0	8.0	Y
ST4	3	1	6,851,026.5	1,442,778.0	0.00	4.92	53.80	66	10.0	8.0	Y
ST3	4	1	6,850,863.0	1,442,198.2	0.00	4.92	56.90	66	10.0	8.0	Y
OS1	6	1	6,850,717.5	1,441,704.9	0.00	4.92	0.00	66	10.0	8.0	Y
OS2	7	1	6,850,977.5	1,441,884.6	0.00	4.92	0.00	66	10.0	8.0	Y
OS3	8	1	6,850,984.0	1,442,569.9	0.00	4.92	0.00	66	10.0	8.0	Y
B64-1	10	1	6,850,767.0	1,441,734.0	0.00	4.92	0.00	66	10.0	8.0	Y
B64-2	11	1	6,850,767.0	1,441,734.0	0.00	14.92	0.00	66	10.0	8.0	Y
B62-1	12	1	6,850,843.5	1,441,740.1	0.00	4.92	0.00	66	10.0	8.0	Y
B62-1	13	1	6,850,843.5	1,441,740.1	0.00	14.92	0.00	66	10.0	8.0	Y
B1-1	14	1	6,851,086.5	1,441,871.9	0.00	4.92	0.00	66	10.0	8.0	Y
B1-2	15	1	6,851,086.5	1,441,871.9	0.00	14.92	0.00	66	10.0	8.0	Y
B3-1	16	1	6,851,174.5	1,441,875.2	0.00	4.92	0.00	66	10.0	8.0	Y
B3-2	17	1	6,851,174.5	1,441,875.2	0.00	14.92	0.00	66	10.0	8.0	Y
B5-1	18	1	6,851,254.0	1,441,893.1	0.00	4.92	0.00	66	10.0	8.0	Y
B5-2	19	1	6,851,254.0	1,441,893.1	0.00	14.92	0.00	66	10.0	8.0	Y
B23-1	21	1	6,851,151.0	1,442,623.9	0.00	4.92	0.00	66	10.0	8.0	Y
B23-2	22	1	6,851,151.0	1,442,623.9	0.00	14.92	0.00	66	10.0	8.0	Y

Dudek 16 June 2022
CB TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term + Project

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Condo wall	W	0.00	99.99	0.00				0.00	point1	1	6,850,681.5	1,442,709.5	0.00	8.00	0.00	0	0		
									point2	2	6,850,914.5	1,442,702.0	0.00	8.00	0.00	0	0		
									point3	3	6,850,913.5	1,442,502.8	0.00	8.00	0.00	0	0		
									point4	4	6,850,910.0	1,442,233.8	0.00	8.00	0.00	0	0		
									point5	5	6,850,903.0	1,441,817.1	0.00	8.00					
Barrier2	W	0.00	99.99	0.00				0.00	point7	7	6,850,746.5	1,441,674.1	0.00	24.00	0.00	0	0		
									point8	8	6,850,747.5	1,441,736.1	0.00	24.00	0.00	0	0		
									point9	9	6,850,759.0	1,441,736.0	0.00	24.00	0.00	0	0		
									point10	10	6,850,758.5	1,441,731.0	0.00	24.00	0.00	0	0		
									point11	11	6,850,761.0	1,441,730.9	0.00	24.00	0.00	0	0		
									point12	12	6,850,761.0	1,441,730.5	0.00	24.00	0.00	0	0		
									point13	13	6,850,777.0	1,441,730.1	0.00	24.00	0.00	0	0		
									point14	14	6,850,777.0	1,441,730.5	0.00	24.00	0.00	0	0		
									point15	15	6,850,779.5	1,441,730.5	0.00	24.00	0.00	0	0		
									point16	16	6,850,778.5	1,441,673.5	0.00	24.00	0.00	0	0		
									point17	17	6,850,746.5	1,441,674.1	0.00	24.00					
Barrier3	W	0.00	99.99	0.00				0.00	point18	18	6,850,788.5	1,441,685.6	0.00	24.00	0.00	0	0		
									point19	19	6,850,790.0	1,441,743.6	0.00	24.00	0.00	0	0		
									point20	20	6,850,795.5	1,441,743.5	0.00	24.00	0.00	0	0		
									point21	21	6,850,795.5	1,441,737.0	0.00	24.00	0.00	0	0		
									point22	22	6,850,801.5	1,441,737.0	0.00	24.00	0.00	0	0		
									point23	23	6,850,801.5	1,441,735.4	0.00	24.00	0.00	0	0		
									point24	24	6,850,803.5	1,441,735.4	0.00	24.00	0.00	0	0		
									point25	25	6,850,803.5	1,441,734.9	0.00	24.00	0.00	0	0		
									point26	26	6,850,819.5	1,441,734.5	0.00	24.00	0.00	0	0		
									point27	27	6,850,819.5	1,441,735.0	0.00	24.00	0.00	0	0		
									point28	28	6,850,821.5	1,441,735.0	0.00	24.00	0.00	0	0		
									point29	29	6,850,820.5	1,441,685.0	0.00	24.00	0.00	0	0		
									point30	30	6,850,788.5	1,441,685.6	0.00	24.00					
Barrier4	W	0.00	99.99	0.00				0.00	point32	32	6,850,862.0	1,441,680.9	0.00	24.00	0.00	0	0		
									point33	33	6,850,863.5	1,441,742.1	0.00	24.00	0.00	0	0		
									point34	34	6,850,853.0	1,441,742.2	0.00	24.00	0.00	0	0		
									point35	35	6,850,853.0	1,441,737.2	0.00	24.00	0.00	0	0		
									point36	36	6,850,851.0	1,441,737.4	0.00	24.00	0.00	0	0		
									point37	37	6,850,851.0	1,441,736.9	0.00	24.00	0.00	0	0		

									point38	38	6,850,834.0	1,441,737.2	0.00	24.00	0.00	0	0		
									point39	39	6,850,834.0	1,441,737.6	0.00	24.00	0.00	0	0		
									point40	40	6,850,832.0	1,441,737.8	0.00	24.00	0.00	0	0		
									point41	41	6,850,831.0	1,441,681.5	0.00	24.00	0.00	0	0		
									point42	42	6,850,862.0	1,441,680.9	0.00	24.00					
Barrier5	W	0.00	99.99	0.00				0.00	point44	44	6,850,872.5	1,441,687.1	0.00	24.00	0.00	0	0		
									point45	45	6,850,874.0	1,441,748.1	0.00	24.00	0.00	0	0		
									point46	46	6,850,885.0	1,441,747.9	0.00	24.00	0.00	0	0		
									point47	47	6,850,885.0	1,441,743.9	0.00	24.00	0.00	0	0		
									point48	48	6,850,887.0	1,441,743.9	0.00	24.00	0.00	0	0		
									point49	49	6,850,887.0	1,441,743.4	0.00	24.00	0.00	0	0		
									point50	50	6,850,903.0	1,441,743.1	0.00	24.00	0.00	0	0		
									point51	51	6,850,903.5	1,441,743.5	0.00	24.00	0.00	0	0		
									point52	52	6,850,906.0	1,441,743.5	0.00	24.00	0.00	0	0		
									point53	53	6,850,904.5	1,441,686.5	0.00	24.00	0.00	0	0		
									point54	54	6,850,872.5	1,441,687.1	0.00	24.00					
Barrier6	W	0.00	99.99	0.00				0.00	point55	55	6,851,069.5	1,441,872.5	0.00	24.00	0.00	0	0		
									point56	56	6,851,063.5	1,441,929.4	0.00	24.00	0.00	0	0		
									point57	57	6,851,068.5	1,441,929.9	0.00	24.00	0.00	0	0		
									point58	58	6,851,069.0	1,441,923.5	0.00	24.00	0.00	0	0		
									point59	59	6,851,075.0	1,441,924.1	0.00	24.00	0.00	0	0		
									point60	60	6,851,075.0	1,441,922.6	0.00	24.00	0.00	0	0		
									point61	61	6,851,077.0	1,441,922.8	0.00	24.00	0.00	0	0		
									point62	62	6,851,077.0	1,441,922.4	0.00	24.00	0.00	0	0		
									point63	63	6,851,094.0	1,441,924.1	0.00	24.00	0.00	0	0		
									point64	64	6,851,094.0	1,441,924.6	0.00	24.00	0.00	0	0		
									point65	65	6,851,095.0	1,441,924.8	0.00	24.00	0.00	0	0		
									point66	66	6,851,100.5	1,441,875.9	0.00	24.00	0.00	0	0		
									point67	67	6,851,069.5	1,441,872.5	0.00	24.00					
Barrier7	W	0.00	99.99	0.00				0.00	point69	69	6,851,143.5	1,441,873.1	0.00	24.00	0.00	0	0		
									point70	70	6,851,137.0	1,441,934.8	0.00	24.00	0.00	0	0		
									point71	71	6,851,125.5	1,441,933.5	0.00	24.00	0.00	0	0		
									point72	72	6,851,126.0	1,441,928.5	0.00	24.00	0.00	0	0		
									point73	73	6,851,124.0	1,441,928.4	0.00	24.00	0.00	0	0		
									point74	74	6,851,124.0	1,441,927.9	0.00	24.00	0.00	0	0		
									point75	75	6,851,108.0	1,441,926.1	0.00	24.00	0.00	0	0		
									point76	76	6,851,108.0	1,441,926.6	0.00	24.00	0.00	0	0		
									point77	77	6,851,105.5	1,441,926.2	0.00	24.00	0.00	0	0		
									point78	78	6,851,111.5	1,441,869.6	0.00	24.00	0.00	0	0		
									point79	79	6,851,143.5	1,441,873.1	0.00	24.00					
Barrier8	W	0.00	99.99	0.00				0.00	point81	81	6,851,153.5	1,441,874.1	0.00	24.00	0.00	0	0		
									point82	82	6,851,147.0	1,441,934.8	0.00	24.00	0.00	0	0		
									point83	83	6,851,158.0	1,441,936.0	0.00	24.00	0.00	0	0		
									point84	84	6,851,158.5	1,441,932.0	0.00	24.00	0.00	0	0		
									point85	85	6,851,160.5	1,441,932.2	0.00	24.00	0.00	0	0		
									point86	86	6,851,160.5	1,441,931.8	0.00	24.00	0.00	0	0		
									point87	87	6,851,176.5	1,441,933.5	0.00	24.00	0.00	0	0		
									point88	88	6,851,176.5	1,441,934.0	0.00	24.00	0.00	0	0		
									point89	89	6,851,179.0	1,441,934.2	0.00	24.00	0.00	0	0		

									point90	90	6,851,185.0	1,441,877.6	0.00	24.00	0.00	0	0		
									point91	91	6,851,153.5	1,441,874.1	0.00	24.00					
Barrier9	W	0.00	99.99	0.00				0.00	point92	92	6,851,226.0	1,441,889.1	0.00	24.00	0.00	0	0		
									point93	93	6,851,220.0	1,441,946.8	0.00	24.00	0.00	0	0		
									point94	94	6,851,214.0	1,441,946.1	0.00	24.00	0.00	0	0		
									point95	95	6,851,215.0	1,441,939.8	0.00	24.00	0.00	0	0		
									point96	96	6,851,209.0	1,441,939.1	0.00	24.00	0.00	0	0		
									point97	97	6,851,209.0	1,441,937.5	0.00	24.00	0.00	0	0		
									point98	98	6,851,207.0	1,441,937.4	0.00	24.00	0.00	0	0		
									point99	99	6,851,207.0	1,441,936.9	0.00	24.00	0.00	0	0		
									point100	100	6,851,191.0	1,441,935.1	0.00	24.00	0.00	0	0		
									point101	101	6,851,191.0	1,441,935.6	0.00	24.00	0.00	0	0		
									point102	102	6,851,189.0	1,441,935.4	0.00	24.00	0.00	0	0		
									point103	103	6,851,194.5	1,441,885.6	0.00	24.00	0.00	0	0		
									point104	104	6,851,226.0	1,441,889.1	0.00	24.00					
Barrier10	W	0.00	99.99	0.00				0.00	point106	106	6,851,236.5	1,441,892.4	0.00	24.00	0.00	0	0		
									point107	107	6,851,229.5	1,441,953.1	0.00	24.00	0.00	0	0		
									point108	108	6,851,240.0	1,441,954.2	0.00	24.00	0.00	0	0		
									point109	109	6,851,240.5	1,441,949.4	0.00	24.00	0.00	0	0		
									point110	110	6,851,242.5	1,441,949.5	0.00	24.00	0.00	0	0		
									point111	111	6,851,242.5	1,441,949.1	0.00	24.00	0.00	0	0		
									point112	112	6,851,259.5	1,441,950.9	0.00	24.00	0.00	0	0		
									point113	113	6,851,259.5	1,441,951.4	0.00	24.00	0.00	0	0		
									point114	114	6,851,261.5	1,441,951.6	0.00	24.00	0.00	0	0		
									point115	115	6,851,267.5	1,441,895.8	0.00	24.00	0.00	0	0		
									point116	116	6,851,236.5	1,441,892.4	0.00	24.00					
Barrier11	W	0.00	99.99	0.00				0.00	point118	118	6,850,919.5	1,441,954.6	0.00	24.00	0.00	0	0		
									point119	119	6,850,981.5	1,441,952.9	0.00	24.00	0.00	0	0		
									point120	120	6,850,981.5	1,441,964.1	0.00	24.00	0.00	0	0		
									point121	121	6,850,976.5	1,441,964.2	0.00	24.00	0.00	0	0		
									point123	123	6,850,977.0	1,441,966.4	0.00	24.00	0.00	0	0		
									point125	125	6,850,977.0	1,441,982.5	0.00	24.00	0.00	0	0		
									point126	126	6,850,977.5	1,441,985.0	0.00	24.00	0.00	0	0		
									point127	127	6,850,920.5	1,441,986.6	0.00	24.00	0.00	0	0		
									point128	128	6,850,919.5	1,441,954.6	0.00	24.00					
Barrier12	W	0.00	99.99	0.00				0.00	point130	130	6,851,153.5	1,442,601.1	0.00	24.00	0.00	0	0		
									point131	131	6,851,214.5	1,442,599.2	0.00	24.00	0.00	0	0		
									point132	132	6,851,215.0	1,442,609.6	0.00	24.00	0.00	0	0		
									point133	133	6,851,210.0	1,442,609.8	0.00	24.00	0.00	0	0		
									point135	135	6,851,210.0	1,442,611.9	0.00	24.00	0.00	0	0		
									point137	137	6,851,210.0	1,442,628.9	0.00	24.00	0.00	0	0		
									point138	138	6,851,210.5	1,442,630.5	0.00	24.00	0.00	0	0		
									point139	139	6,851,154.5	1,442,632.2	0.00	24.00	0.00	0	0		
									point140	140	6,851,153.5	1,442,601.1	0.00	24.00					
Barrier13	W	0.00	99.99	0.00				0.00	point141	141	6,851,158.5	1,442,558.5	0.00	24.00	0.00	0	0		
									point142	142	6,851,216.5	1,442,556.8	0.00	24.00	0.00	0	0		
									point143	143	6,851,217.0	1,442,562.6	0.00	24.00	0.00	0	0		
									point144	144	6,851,210.5	1,442,562.9	0.00	24.00	0.00	0	0		
									point145	145	6,851,210.5	1,442,568.6	0.00	24.00	0.00	0	0		

									point146	146	6,851,209.0	1,442,568.6	0.00	24.00	0.00	0	0		
									point148	148	6,851,209.0	1,442,570.6	0.00	24.00	0.00	0	0		
									point150	150	6,851,209.0	1,442,586.9	0.00	24.00	0.00	0	0		
									point151	151	6,851,209.5	1,442,589.0	0.00	24.00	0.00	0	0		
									point152	152	6,851,159.5	1,442,590.5	0.00	24.00	0.00	0	0		
									point153	153	6,851,158.5	1,442,558.5	0.00	24.00					
Barrier14	W	0.00	99.99	0.00				0.00	point154	154	6,851,136.0	1,442,510.4	0.00	24.00	0.00	0	0		
									point155	155	6,851,137.5	1,442,567.5	0.00	24.00	0.00	0	0		
									point156	156	6,851,132.5	1,442,567.6	0.00	24.00	0.00	0	0		
									point157	157	6,851,132.0	1,442,561.2	0.00	24.00	0.00	0	0		
									point158	158	6,851,126.5	1,442,561.4	0.00	24.00	0.00	0	0		
									point159	159	6,851,126.5	1,442,559.8	0.00	24.00	0.00	0	0		
									point160	160	6,851,124.5	1,442,559.9	0.00	24.00	0.00	0	0		
									point161	161	6,851,124.5	1,442,559.4	0.00	24.00	0.00	0	0		
									point162	162	6,851,107.5	1,442,559.9	0.00	24.00	0.00	0	0		
									point163	163	6,851,107.5	1,442,560.4	0.00	24.00	0.00	0	0		
									point164	164	6,851,106.0	1,442,560.4	0.00	24.00	0.00	0	0		
									point165	165	6,851,104.5	1,442,511.1	0.00	24.00	0.00	0	0		
									point166	166	6,851,136.0	1,442,510.4	0.00	24.00					

Dudek
CB

16 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Oak Knoll
RUN: Near Term + Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	58.5	59.7	66	1.2	10	----	59.7	0.0	8	-8.0
ST2	2	1	51.1	46.0	66	-5.1	10	----	46.0	0.0	8	-8.0
ST4	3	1	53.8	59.4	66	5.6	10	----	59.4	0.0	8	-8.0
ST3	4	1	56.9	51.2	66	-5.7	10	----	51.2	0.0	8	-8.0
OS1	6	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0
OS2	7	1	0.0	54.1	66	54.1	10	----	54.1	0.0	8	-8.0
OS3	8	1	0.0	53.4	66	53.4	10	----	53.4	0.0	8	-8.0
B64-1	10	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0
B64-2	11	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0
B62-1	12	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0
B62-1	13	1	0.0	58.9	66	58.9	10	----	58.9	0.0	8	-8.0
B1-1	14	1	0.0	56.1	66	56.1	10	----	56.1	0.0	8	-8.0
B1-2	15	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0
B3-1	16	1	0.0	56.9	66	56.9	10	----	56.9	0.0	8	-8.0
B3-2	17	1	0.0	57.1	66	57.1	10	----	57.1	0.0	8	-8.0
B5-1	18	1	0.0	56.2	66	56.2	10	----	56.2	0.0	8	-8.0
B5-2	19	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
B23-1	21	1	0.0	53.9	66	53.9	10	----	53.9	0.0	8	-8.0
B23-2	22	1	0.0	57.3	66	57.3	10	----	57.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	19	0.0	0.0	0.0

All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

Appendix L

Local Transportation Assessment for Harmon Ranch

Local Transportation Assessment

Harmon Ranch

October 19, 2023

Prepared For:

LENNAR®

Prepared by:

Intersecting Metrics

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Appendix A: Intersection Traffic Counts
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Appendix E: LOS Analysis Worksheets – Near-Term Base Plus Project Conditions

Executive Summary

The purpose of this Local Transportation Assessment (LTA) is to identify and document any substantial effects that the proposed Harmon Ranch project (Proposed Project) will have on the surrounding transportation network, and to recommend potential improvements, as necessary.

ES.1 Project Setting

The proposed project is approximately 11.5 acres and includes a total of 63 new single-family homes and associated site improvements and retention of the existing historic home (see Figure 1-1, Site Plan). The project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

A total of 40 public parking spaces will be provided, including 24 parallel and 16 perpendicular spaces, in addition to the two car parking garages and driveways provided for each unit.

The Proposed Project is anticipated to generate a total of 630 daily trips, with 51 trips (15-in & 36-out) generated during the AM peak hour and 63 trips (44-in & 19-out) during the PM peak hour.

ES.2 Project Study Area

Based on the Proposed Project trip assignment and the City's *Transportation Master Element* Policies C.1 and C.2, the following facilities are included within the project study area:

Roadway Segments:

- Poway Road west of Oak Knoll Road
- Poway Road between Oak Knoll Road and Pomerado Road
- Pomerado Road north of Poway Road
- Pomerado Road between Poway Road and Oak Knoll Road
- Pomerado Road south of Oak Knoll Road
- Oak Knoll Road between Poway Road and Pomerado Road
- Carriage Road between Poway Road and Oak Knoll Road

Intersections:

1. Oak Knoll Road / Poway Road
2. Pomerado Road / Poway Road
3. Pomerado Road / Oak Knoll Road
4. Oak Knoll Road / Project Driveway (Analyzed under "Plus Project" conditions only)
5. Oak Knoll Road / Carriage Road

ES.3 Substantial Effects to the Transportation Network

This section summarizes the analysis results under each analysis scenario.

Existing Conditions

The following summarizes the analysis results and findings under Existing conditions.

Roadway Analysis

- All study roadway segments currently operate within their design thresholds.

Intersection Analysis

- All study area intersections currently operate at acceptable LOS D or better.

Near-Term Conditions

The following summarizes the analysis results and findings under Near-Term conditions.

Roadway Analysis

- All study roadway segments are projected to operate within their design thresholds under Near-Term Base conditions.
- All study roadway segments are projected to operate within their design thresholds under Near-Term Base with Project conditions.

Intersection Analysis

- All study area intersections are projected to operate at acceptable LOS D or better under Near-Term Base conditions.
- All study area intersections are projected to operate at acceptable LOS D or better under Near-Term with Project conditions.

The Proposed Project is not anticipated to have any substantial effect on the operations of the study area roadway or intersections under Near-Term with Project conditions. Therefore, no additional intersection improvements are needed.

1.0 Introduction

The purpose of this Local Transportation Assessment (LTA) is to identify and document any substantial effects that the proposed Harmon Ranch project (Proposed Project) will have on the surrounding transportation network, and to recommend potential improvements, as necessary.

1.1 Project Description

The proposed project is approximately 11.5 acres and includes a total of 63 new single-family homes and associated site improvements and retention of the existing historic home (see Figure 1-1, Site Plan). The project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

A total of 40 public parking spaces will be provided, including 24 parallel and 16 perpendicular spaces, in addition to the two car parking garages and driveways provided for each unit. The project location is displayed in Figure 1.1.

1.2 Report Organization

Following this Introduction chapter, this report is organized into the following sections:

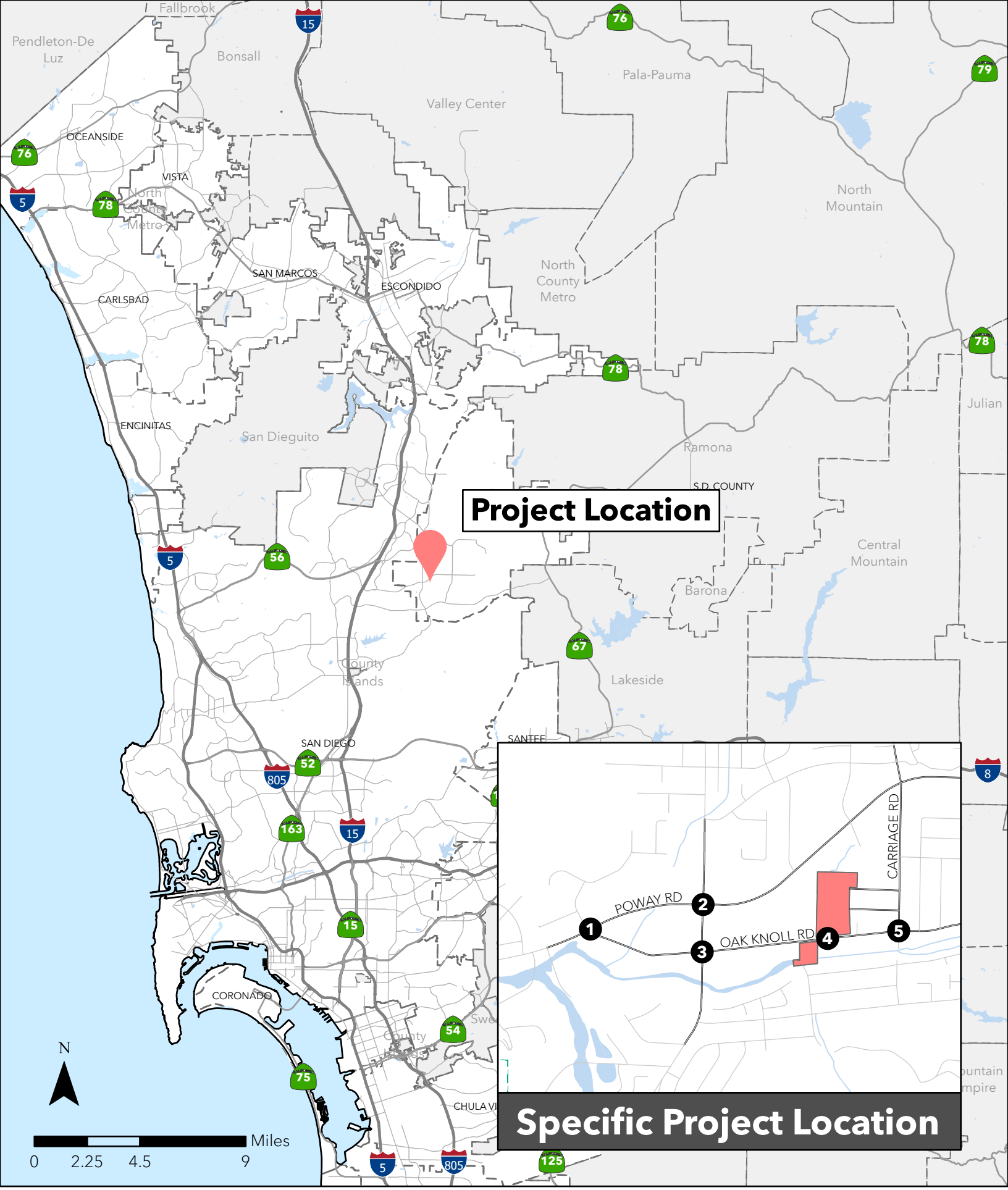
2.0 *Analysis Methodology* - This chapter describes the methodologies and standards utilized to analyze traffic operations and conditions.

3.0 *Proposed Project* - This chapter describes the Proposed Project including project trip generation, trip distribution, trip assignment, and the project study area.

4.0 *Existing Conditions* - This chapter describes the existing traffic network within the study area and provides analysis results for existing traffic conditions.

5.0 *Near-Term Conditions* – This chapter describes near-term developments that are anticipated to generate additional study area trips by the Proposed Project's opening year. Analysis results are provided for the No-Project (Near-Term Base) and Near-Term Plus Project conditions.

6.0 *Site Access* – This chapter addresses access and internal circulation within the project site.



Harmon Ranch

Figure 1.1
Project Location

2.0 Analysis Methodology

Detailed information on intersection analysis methodologies, standards, and thresholds are discussed in the following sections.

2.1 Level of Service Definition

Level of Service (LOS) is a quantitative measure describing operational conditions within a traffic stream, and the motorist's and/or passengers' perception of operations. A LOS definition generally describes these conditions in terms of such factors as delay, speed, travel time, freedom to maneuver, interruptions in traffic flow, queuing, comfort, and convenience. Table 2.1 describes generalized definitions of the various LOS categories (A through F) as applied to roadway operations.

Table 2.1 Level of Service Definitions

LOS Category	Definition of Operation
A	This LOS represents a completely free-flow condition, where the operation of vehicles is virtually unaffected by the presence of other vehicles and only constrained by the geometric features of the highway and by driver preferences.
B	This LOS represents a relatively free-flow condition, although the presence of other vehicles becomes noticeable. Average travel speeds are the same as in LOS A, but drivers have slightly less freedom to maneuver.
C	At this LOS the influence of traffic density on operations becomes marked. The ability to maneuver within the traffic stream is clearly affected by other vehicles.
D	At this LOS, the ability to maneuver is notably restricted due to traffic congestion, and only minor disruptions can be absorbed without extensive queues forming and the service deteriorating.
E	This LOS represents operations at or near capacity. LOS E is an unstable level, with vehicles operating with minimum spacing for maintaining uniform flow. At LOS E, disruptions cannot be dissipated readily thus causing deterioration down to LOS F.
F	At this LOS, forced or breakdown of traffic flow occurs, although operations appear to be at capacity, queues form behind these breakdowns. Operations within queues are highly unstable, with vehicles experiencing brief periods of movement followed by stoppages.

Source: Highway Capacity Manual 6th Edition

2.2 Peak Hour Intersection Level of Service Standards and Thresholds

Unlike other jurisdictions within the region, the City of Poway does not assign a daily LOS to roadway facilities. Instead, the City developed a series daily traffic volume design thresholds for each facility type (Primes, Majors, Collectors, etc.) and for unique individual facilities (Espola Road, Poway Road, Community Road, etc.), which are outlined in Table V-1 of the City of Poway Transportation Master Element, March 2010. To determine if average daily traffic volumes on the study area roadway segments are within the design threshold, the appropriate volumes were compared to the daily design capacity of the roadway segments.

2.3 Peak Hour Intersection Level of Service Standards and Thresholds

This section presents the methodologies used to perform peak hour intersection capacity analysis for signalized and unsignalized intersections. The following assumptions were utilized in conducting all intersection level of service analysis:

- *Peak Hour Factor*: Based on existing peak hour count for existing conditions.
- *Signal Timing*: Based on existing signal timing plans (as of April 2022), provided in Appendix A.

Unsignalized Intersection Analysis

Side-street stop-controlled intersections were analyzed using the Highway Capacity Manual 6th Edition (Section 19) Two-Way Stop-Controlled Intersection analysis methodology. The Synchro Version 11 software supports this methodology and was utilized to produce LOS results. The LOS for a two-way stop-controlled (SSSC) intersection is determined by the computed or measured control delay and is defined for each minor movement. Table 2.2 summarizes the LOS criteria for unsignalized intersections.

Table 2.2 LOS Criteria for Stop-Controlled Unsignalized Intersections

Average Stopped Delay Per Vehicle (sec/veh)	LOS
<10	A
>10 to <15	B
>15 to <25	C
>25 to <35	D
>35 to <50	E
>50	F

Source: Highway Capacity Manual 6th Edition

Signalized Intersection Analysis

The analysis of signalized intersections utilized the operational analysis procedure as outlined in the Highway Capacity Manual (HCM) 6th Edition signalized intersection analysis methodology. This method defines LOS in terms of delay, or more specifically, average stopped delay per vehicle. Delay is a measure of driver and/or passenger discomfort, frustration, fuel consumption and lost travel time. This technique uses 1,900 vehicles per hour per lane (VPHPL) as the maximum saturation volume of an intersection. This saturation volume is adjusted to account for lane width, on-street parking, pedestrians, traffic composition (i.e., percentage trucks) and shared lane movements (i.e., through and right-turn movements originating from the same lane). The LOS criteria used for the analysis of signalized intersections are described in Table 2.3, identifying the thresholds of control delays and the associated LOS. The computerized analysis of intersection operations was performed utilizing the Synchro Version 11 traffic analysis software by Trafficware Ltd.

Table 2.3 Signalized Intersection LOS Operational Analysis Method

Average Stopped Delay Per Vehicle (seconds)	Level of Service (LOS) Characteristics
<10	*LOS A* describes operations with very low delay. This occurs when progression is extremely favorable, and most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
>10– 20	*LOS B* describes operations with generally good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
>20 – 35	*LOS C* describes operations with higher delays, which may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
>35– 55	*LOS D* describes operations with high delay, resulting from some combination of unfavorable progression, long cycle lengths, or high volumes. The influence of congestion becomes more noticeable, and individual cycle failures are noticeable.
>55 – 80	*LOS E* is considered the limit of acceptable delay. Individual cycle failures are frequent occurrences.
>80	*LOS F* describes a condition of excessively high delay, considered unacceptable to most drivers. This condition often occurs when arrival flow rates exceed the LOS D capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes to such delay.

Source: Highway Capacity Manual 6th Edition

2.4 Determination of Substantial Effects

This section outlines the thresholds for determination of substantial project-related effects on study area facilities.

In general, a substantial effect would be identified when the addition of project traffic results in a level of service dropping from LOS D or better to substandard LOS E or F. Table 2.4 summarizes the thresholds for determining substantial effects for facilities operating at substandard level of service with and without the project. These thresholds, as applied to roadway segments, are based upon an acceptable increase in the Volume / Capacity (V/C) ratio.

Table 2.4 Measures of Substantial Project Transportation Effects

	Allowable Change				
	Freeways		Roadway Segments		Intersections
LOS with Project	V/C	Speed (mph)	V/C	Speed (mph)	Delay (sec.)
E & F	0.01	1	0.02	1	2

Source: Guidelines for Transportation Impact Studies in the San Diego Region, May 2019

2.5 Determination of Inconsistencies with Circulation Element

This section outlines City's *Transportation Master Element* policies that are relevant to the Proposed Project. In general, an inconsistency with the *Transportation Master Element* would be identified when the addition of project traffic results in level of service that deviates from the following:

- *Policy C.1:* Avoid approving any development that will increase the traffic on a City roadway above the design capacity threshold unless traffic/roadway design mitigation is available and/or will be implemented to achieve the desired capacity. If no feasible alternates are available, cumulative land use impacts on roadways should be assessed to ascertain the contribution of each new land use being considered.

- *Policy C.2*: Prohibit development which will result in Levels of Service (LOS) exceeding "D" during the two highest peak hours at any intersection unless no feasible alternatives exist and an overriding public need can be demonstrated.

Consistency with these *Transportation Master Element* policies were evaluated in this analysis since they focus on circulation element roadways. The Proposed Project is not proposing any features that are inconsistent with the City's *Transportation Master Element*. It should be noted that the Proposed Project land uses are consistent with those assumed in the City's *Housing Element Update*. Therefore, the roadway operation findings in this study are also consistent with those outlined in the City's *Transportation Master Element*. As a result, the Proposed Project will not change or create any inconsistencies within the City's *Transportation Master Element*.

3.0 Proposed Project

This section describes the Proposed Project including land uses, estimated trip generation, trip distribution, trip assignment and project study area.

3.1 Project Description

The Proposed Project plans to develop 63-single family dwelling units. Proposed amenities will include almost an acre of open space for residents to utilize and a trail connecting to the existing commercial center north of the site. A total of 40 parking spaces will be provided, including 24 parallel and 16 perpendicular spaces, in addition to the two-car parking garages and driveways provided for each unit. The Proposed Project site plan is displayed in Figure 3.1.

3.2 Proposed Project Trip Generation

Table 3.1 displays the Proposed Project's anticipated trip generation. Trip generation rates were derived from *SANDAG's (Not So) Brief Guide of Vehicular Traffic Generation Rates in the San Diego Region, April 2002*.

Table 3.1 Proposed Project Trip Generation

Land Use	Units	Trip Rate	ADT	AM					PM				
				%	Trips	Split	In	Out	%	Trips	Split	In	Out
Single Family	63 Units	10/Units	630	8%	51	(3:7)	15	36	10%	63	(7:3)	44	19

As shown, the Proposed Project is anticipated to generate a total of 630 daily trips, with 51 trips (15-in & 36-out) generated during the AM peak hour and 63 trips (44-in & 19-out) during the PM peak hour.

3.3 Project Trip Distribution & Assignment

The project trip distribution was developed based on the geographical location of the project, the characteristics of the proposed land use, nearest freeway facilities, as well as the location of schools, job centers, and shopping centers. The Proposed Project's trip distribution and trip assignment are displayed in Figure 3.2.

3.4 Project Study Area

Section 7.0 of the *Guidelines for Transportation Impact Studies in the San Diego Region, May 2019* recommends that all, intersection locations where the proposed project will add 50 or more peak-hour trips in either direction to the existing roadway traffic, be included in the study area. As shown in Figure 3.2, the Proposed Project's trip generation will not add more than 50 or more peak hour trips to an intersection; however, a focused LTA was conducted to analyze the following major roadway segments and intersections adjacent to the Proposed Project, as well as the project's driveway:

Roadway Segments:

- Poway Road west of Oak Knoll Road
- Poway Road between Oak Knoll Road and Pomerado Road
- Pomerado Road north of Poway Road
- Pomerado Road between Poway Road and Oak Knoll Road
- Pomerado Road south of Oak Knoll Road
- Oak Knoll Road between Poway Road and Pomerado Road
- Carriage Road between Poway Road and Oak Knoll Road

Intersections:

1. Oak Knoll Road / Poway Road
2. Pomerado Road / Poway Road
3. Pomerado Road / Oak Knoll Road
4. Oak Knoll Road / Project Driveway
5. Oak Knoll Road / Carriage Road

The Proposed Project Study Area is shown in Figure 3.3.

Figure 3.1
Project Site Plan

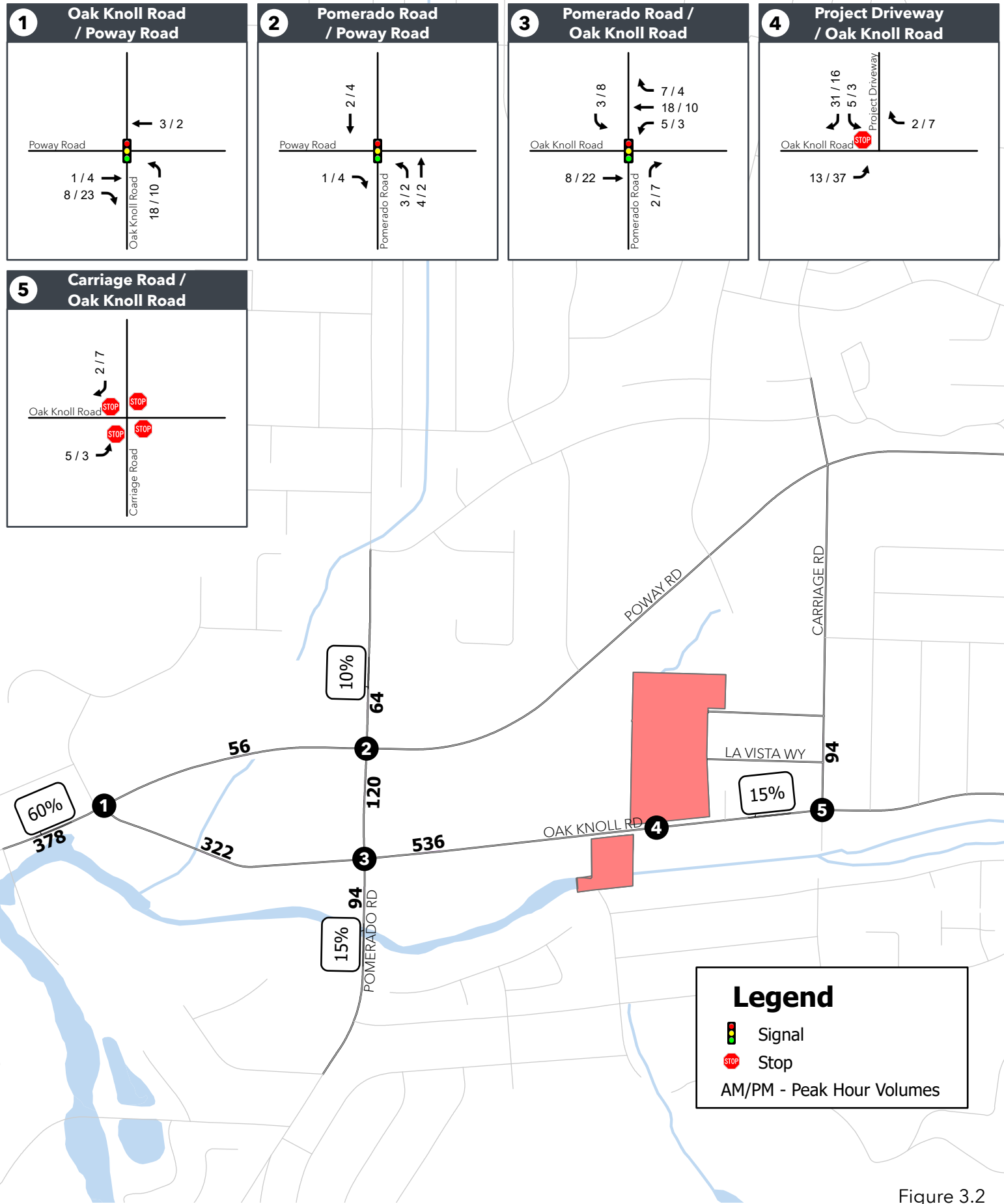
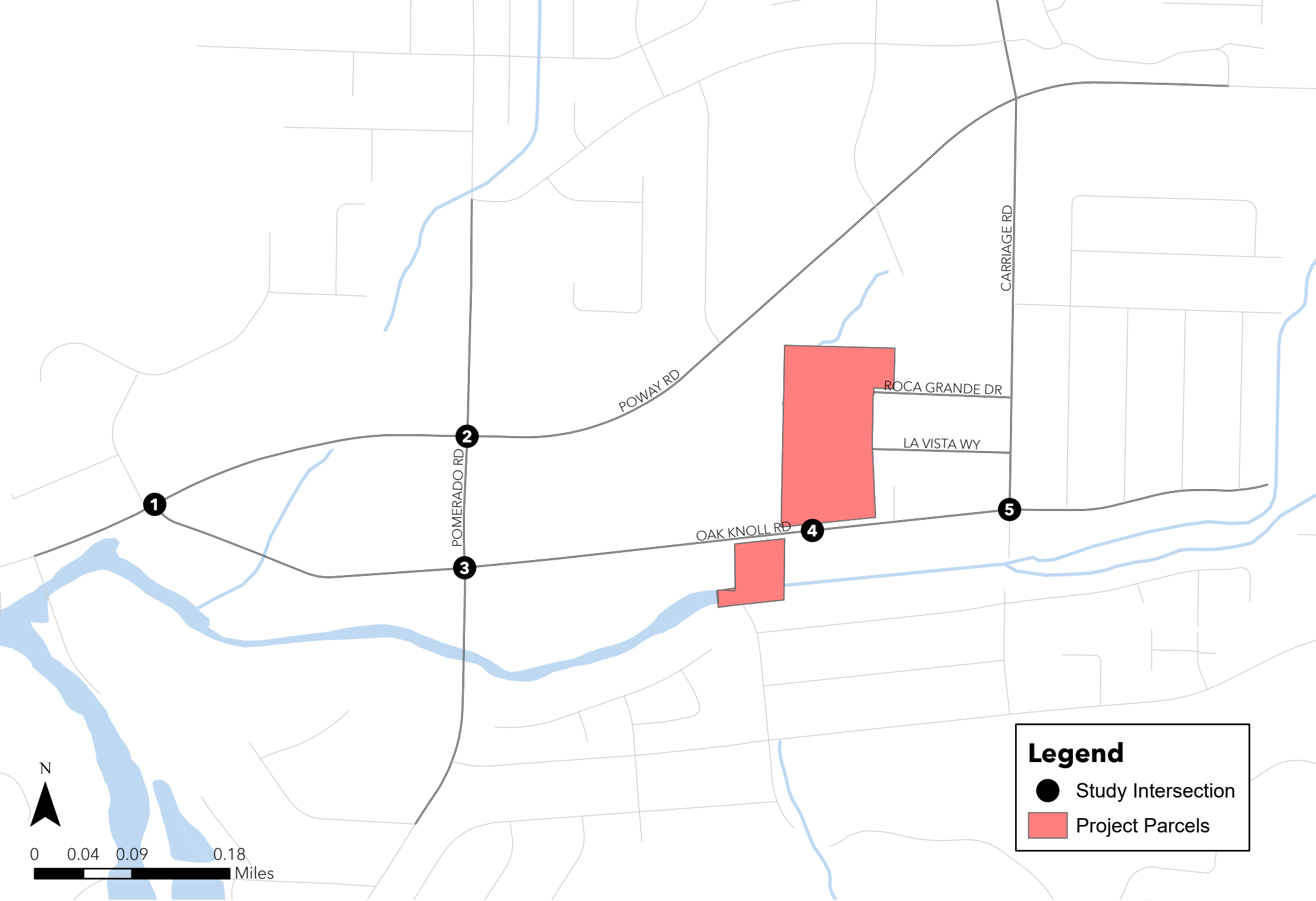


Figure 3.2

Traffic Volumes
Project Trip Assignment



Harmon Ranch

Figure 3.3
Local Transportation Network

4.0 Existing Conditions

This section describes key study intersections, existing peak hour intersection traffic volumes, and LOS analysis results under Existing conditions.

4.1 Existing Roadway Network

Access to the Proposed Project from the regional transportation network would be provided via Poway Road, Pomerado Road, and Oak Knoll Road. These roadways would either provide a direct connection to the Proposed Project site, via a project driveway on Oak Knoll Road, or would provide a critical link between the Proposed Project and the regional transportation network. Descriptions of these transportation network facilities are described below:

Poway Road is a four-lane east/west roadway that connects I-15 in the west to SR-67 in the east. The roadway has a posted speed limit of 35 miles per hour (mph) and is divided by a raised median. Within the study area, Poway Road provides direct access to commercial centers. Pedestrian sidewalks and bicycle lanes are present on both sides of the roadway. San Diego Metropolitan Transit System (MTS) bus routes 944, 945, and 945A currently provide services on Poway Road, with the closest stop to the project site located on Poway Road and the Countryside Apartments driveway. Poway Road is classified as a Major Arterial by the City's *Transportation Master Element, March 2010*.

Pomerado Road is a four-lane north/south roadway that connects Twin Peaks Road to Spring Canyon Road. Within the study area, this roadway provides a center-left-turn lane median and has a posted speed limit of 45 mph. Pomerado Road is primarily fronted by residential units and provides pedestrian sidewalks and bicycle lanes on both sides of the roadway. San Diego MTS bus routes 945 and 945A currently provide services on Pomerado Road, north of Poway Road. Pomerado Road is classified as a Major Arterial by the City's *Transportation Master Element, March 2010*.

Oak Knoll Road is two-lane roadway that connects Sage View Road to Selier Street. The Proposed Project will take access via side-street stop-controlled intersections on Oak Knoll Road. This roadway is an undivided roadway with a posted speed limit of 25 mph and parallel parking provided on both sides of the roadway. Oak Knoll Road is fronted by residential units and small businesses. Pedestrian sidewalks are provided on both sides of the roadway and sharrow signs are painted on the roadway indicating that Oak Knoll Road is a bicycle route. According to the City's *Transportation Master Element, March 2010*, Oak Knoll Road is a local collector between Poway Road and Pomerado Road and a local road east of Pomerado Road.

Carriage Road is a two-lane roadway that connects Poway Road to Oak Knoll Road. This roadway is an undivided roadway with a posted speed limit of 25 mph and parallel parking provided on both sides of the roadway. Pedestrian sidewalks are provided on both sides of the roadway and bicycle sharrow markings are painted on the roadway indicating that Carriage Road is a bicycle route. Carriage Road is classified as a local collector by the City's *Transportation Master Element, March 2010*.

Figure 4.1 displays the existing functional classifications of the study area roadways, and existing intersection geometrics of the study intersections.

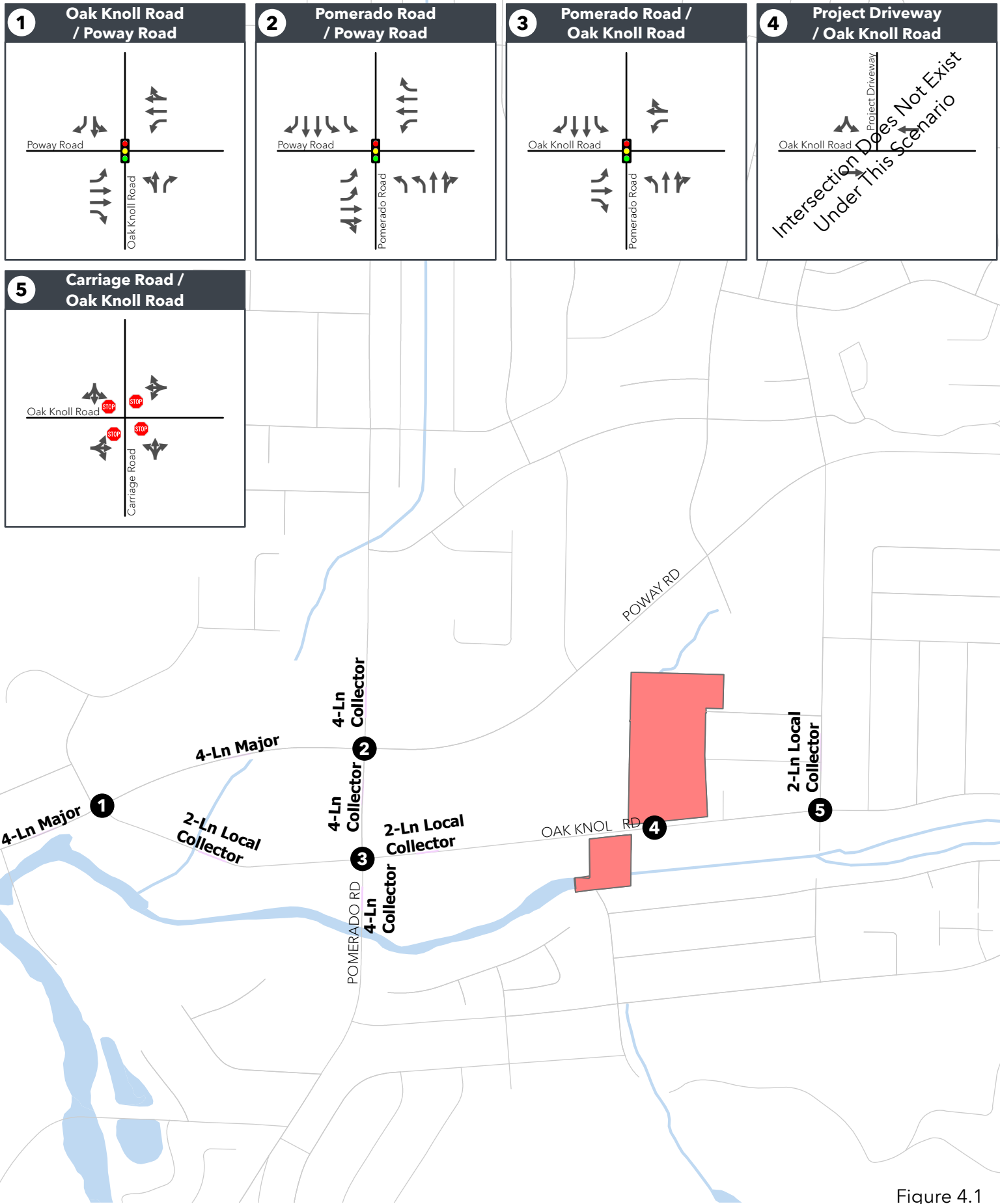


Figure 4.1

Intersection Lane Configurations
Existing Conditions

4.2 Existing Intersection and Roadway Volumes

Figure 4.2 displays the existing AM/PM peak hour turning movements for the study intersections. The roadway segment counts were obtained from recently completed transportation studies and study area intersection traffic counts were conducted in April 2022. Traffic count worksheets are provided in Appendix A.

4.3 Existing Level of Service Analysis

LOS analyses under Existing conditions were conducted using the methodologies described in Chapter 2.0. Roadway segment and intersection LOS analyses results are discussed below.

Roadway Segment Analysis

Table 4.1 displays each study roadway segment's design threshold, Average Daily Traffic (ADT) volume, and whether the roadway segment operates within its design threshold. As shown, all study roadways currently operate within their design threshold.

Table 4.1 Roadway Segment ADT and Thresholds – Existing Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Rd	West of Oak Knoll Rd	4-Lane Major Arterial	43,000	36,495	Yes
	Oak Knoll Rd to Pomerado Rd	4-Lane Major Arterial	43,000	31,629	Yes
Pomerado Rd	North of Poway Rd	4-Lane Collector	32,000	23,012	Yes
	Poway Rd to Oak Knoll Rd	4-Lane Collector	32,000	16,092	Yes
	South of Oak Knoll Rd	4-Lane Collector	32,000	24,200	Yes
Oak Knoll Rd	Poway Rd to Pomerado	2-Lane Local Collector	10,900	6,900	Yes
	Pomerado Rd to Carriage Rd	2-Lane Local Collector	10,900	4,000	Yes
Carriage Rd	Poway Rd to Oak Knoll Rd	2-Lane Local Collector	10,900	3,359	Yes

Intersection Analysis

Table 4.2 displays intersection LOS and average vehicle delay results for the study area intersections under Existing conditions. LOS calculation worksheets for Existing conditions are provided in Appendix B.

Table 4.2 Peak Hour Intersection LOS Results - Existing Conditions

Intersection	Control	AM		PM	
		Delay	LOS	Delay	LOS
1: Oak Knoll Rd & Poway Rd	Signal	31.1	C	29.9	C
2: Pomerado Rd & Poway Rd	Signal	40.7	D	33.2	C
3: Pomerado Rd & Oak Knoll Rd	Signal	18.6	B	18.7	B
4: Oak Knoll Rd & Project Drwy	SSSC	Does Not Exist Under This Scenario			
5: Oak Knoll Rd & Carriage Rd	AWSC	7.4	A	7.9	A

Note:
SSSC = Side-Street Stop Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.
AWSC = All-Way Stop Controlled

As shown in Table 4.2, all study area intersections currently operate at LOS D or better.

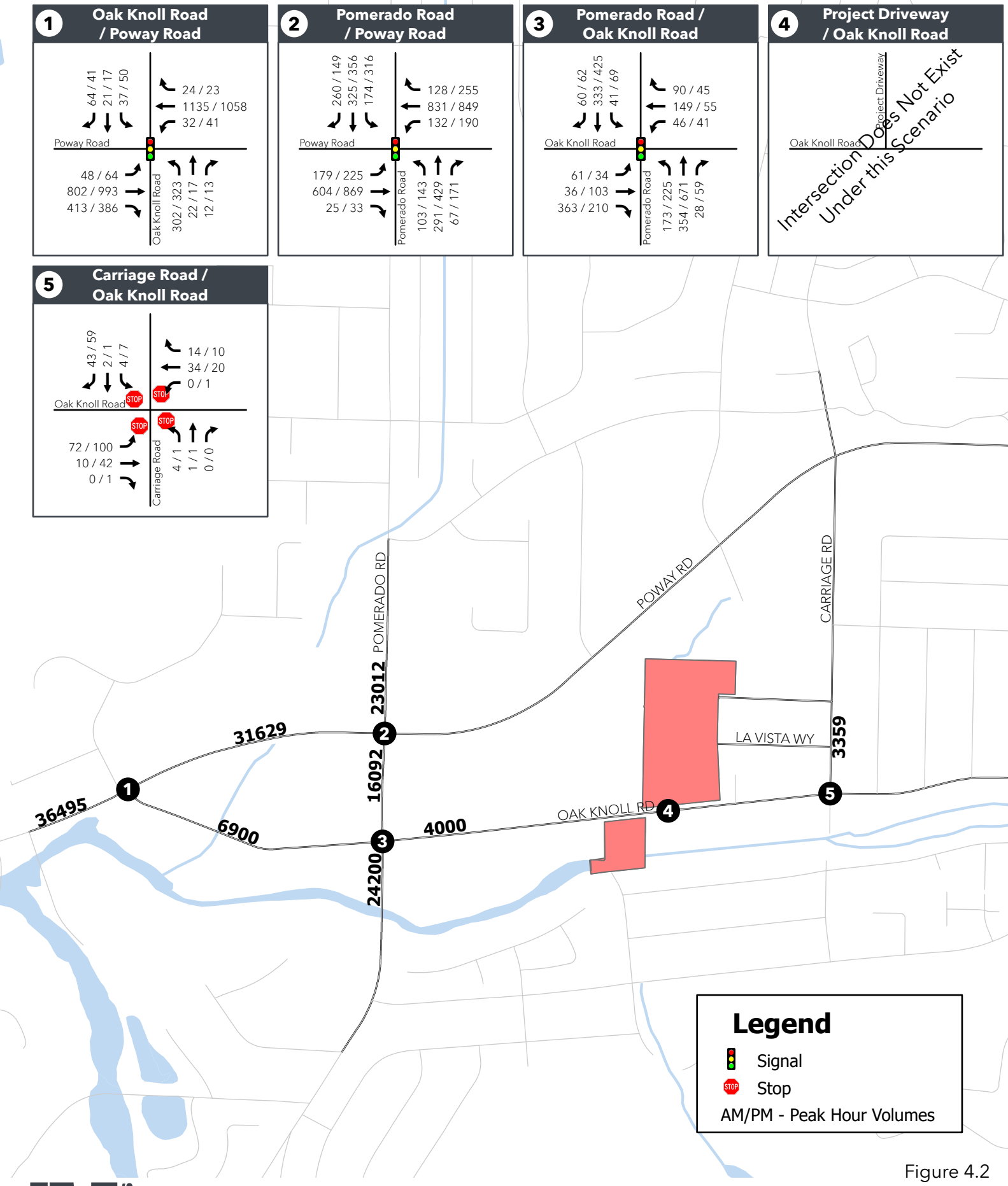


Figure 4.2

Traffic Volumes
Existing Conditions

5.0 Near-Term Conditions

This section provides an analysis of Near-Term Base conditions both with and without the Proposed Project. The scenarios analyzed in this section include:

- Near-Term Base
- Near-Term Plus Proposed Project

5.1 Cumulative Project Traffic

The following two (2) projects were identified by the City of Poway as cumulative projects, since they are anticipated to contribute traffic within the project study area:

1. *Poway Commons*– This project is located on the southwest corner of the Poway Road and Civic Center Drive intersection. It proposed to develop 141 condominium units with 25,000 square feet of specialty retail. The project is anticipated to generate 2,572 average daily trips with 175 trips (65-in / 110-out) during the AM peak hour and 224 trips (138-in / 86-out) during the PM peak hour.

2. *Fairfield* – This project is located at the existing Carriage Center West Shopping Center and recently closed Poway Bowl parcel on 12845 and 12941 Poway Road, respectively. It proposes to replace the existing shopping center and bowling alley with 221 apartments, 4,620 square feet of restaurant, and 3,878 square feet of retail uses. The project is anticipated to generate 2,220 average daily trips with 170 trips (54-in / 116-out) during the AM peak hour and 192 trips (125-in / 67-out) during the PM peak hour.

3. *The Outpost* – This project is located at 13249 – 13253 Poway Road. Is proposed to develop 72 dwelling units and 15,871 square feet of commercial space. The project is anticipated to generate 2,625 average daily trips with 135 trips (63-in / 72-out) during the AM peak hour and 187 trips (108-in / 79-out) during the PM peak hour.

The traffic generated from the projects listed above was included in the Near-Term Base scenario. Table 5.1 displays trip generation for the cumulative projects described above. The respective trip distribution and trip assignment assumptions for each cumulative project was obtained from the either the project's respective traffic impact study. Relevant excerpts from the different sources of information regarding cumulative projects are provided in Appendix C

Table 5.1 Cumulative Projects Trip Generation

Project	Land Use	ADT	AM			PM		
			Total	In	Out	Total	In	Out
Poway Commons[1]	Residential and Retail	2,572	175	65	110	224	138	86
Fairfeild[2]	Residential, Restaurant, and Retail	2,220	170	54	116	192	125	67
The Outpost[3]	Residential and Retail	2,625	135	63	72	187	108	79
Total		7,417	480	182	298	603	371	232

Notes:

[1]Trip generation and distribution was obtained from Meridian Poway Access Analysis Memorandum – Urban Systems Associates, Inc. October 2019

[2]Trip generation and distribution was obtained from Poway Road Mixed Use TIA – Linscott, Law & Greenspan, Engineers. June 2020

[3]Trip generation calculated using the *SANDAG's Not So Brief Guide of Vehicular Traffic Generation Rates in the San Diego Region, April 2002.*

As shown, the cumulative projects are anticipated to generate 7,417 daily trips, with 480 trips during the AM peak hour and 603 trips during the PM peak hour. Figure 5.1 displays the location of the cumulative projects and the cumulative project trip assignment.

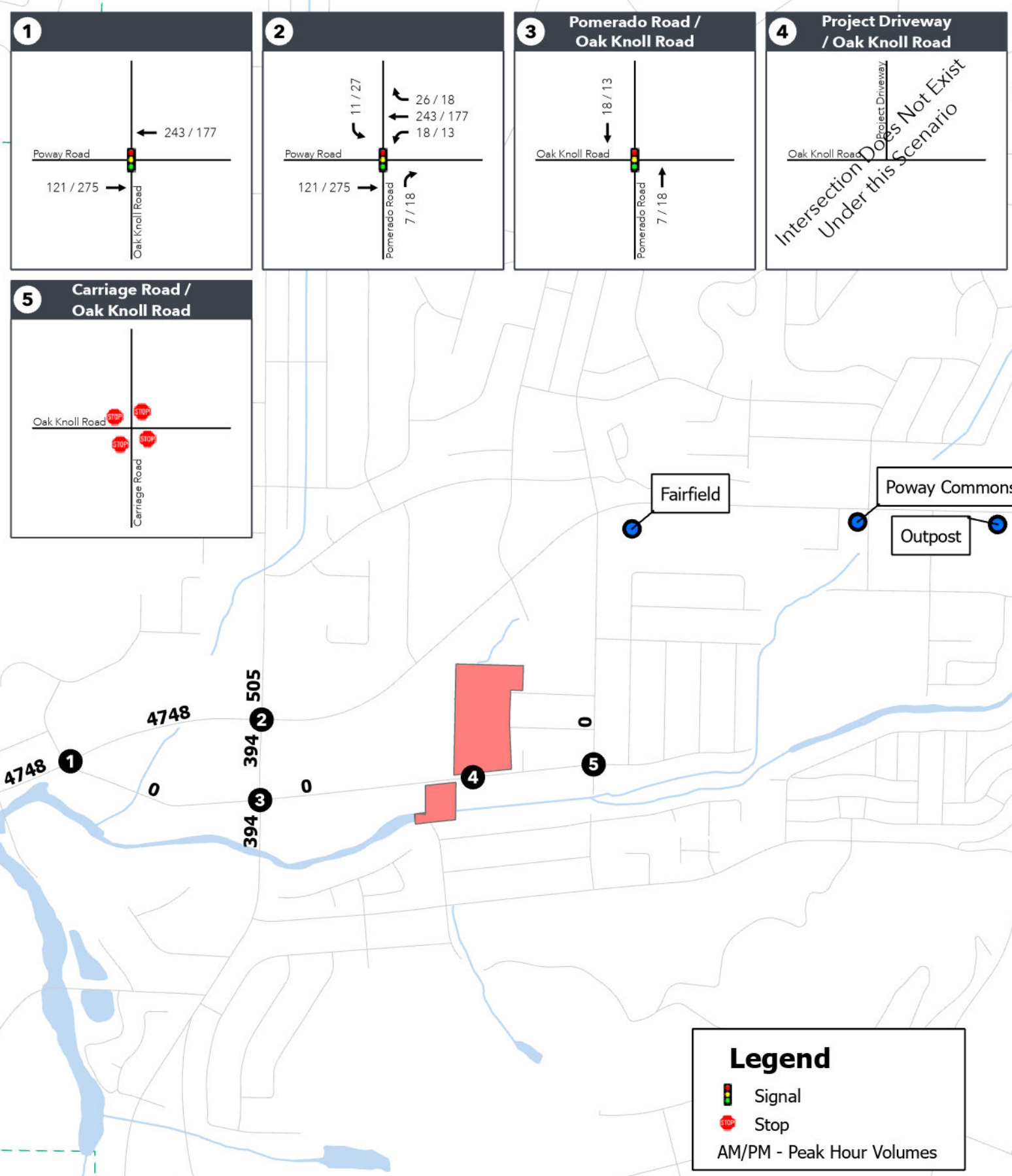


Figure 5.1

Cumulative Projects Locations and Trip Assignment

Harmon Ranch

Intersecting Metrics

5.2 Near-Term Base Roadway Network and Traffic Volumes

The Near-Term Base roadway segment classifications and intersection geometrics for the study area were assumed to be identical to the Existing conditions geometrics, as previously shown in Figure 4.1.

The Near-Term Base scenario traffic volumes were derived by adding the additional trips generated by the cumulative projects listed in Section 5.1 (Figure 5.1) to the existing traffic volumes (Figure 4.2). Figure 5.2 displays the daily roadway segment volume and peak hour intersection volumes for the study roadway segments and intersections, respectively, under the Near-Term Base conditions.

5.3 Near-Term Base Traffic Conditions

LOS analyses for Near-Term Base conditions were conducted using the methodologies described in Chapter 2.0. Roadway segment and intersection LOS analyses results are discussed separately below.

Roadway Segment Analysis

Table 5.2 displays each study roadway segment's design threshold, ADT volume, and whether the roadway segment operates within its design threshold. As shown, all study roadways are anticipated to operate within their design threshold under Near-Term Base conditions.

Table 5.2 Roadway Segment ADT and Thresholds – Near-Term Base Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Rd	West of Oak Knoll Rd	4-Lane Major Arterial	43,000	41,250	Yes
	Oak Knoll Rd to Pomerado Rd	4-Lane Major Arterial	43,000	36,380	Yes
Pomerado Rd	North of Poway Rd	4-Lane Collector	32,000	23,520	Yes
	Poway Rd to Oak Knoll Rd	4-Lane Collector	32,000	16,490	Yes
	South of Oak Knoll Rd	4-Lane Collector	32,000	24,600	Yes
Oak Knoll Rd	Poway Rd to Pomerado	2-Lane Local Collector	10,900	6,900	Yes
	Pomerado Rd to Carriage Rd	2-Lane Local Collector	10,900	4,000	Yes
Carriage Rd	Poway Rd to Oak Knoll Rd	2-Lane Local Collector	10,900	3,360	Yes

Intersection Analysis

Table 5.3 displays intersection LOS and average vehicle delay results for the key study area intersections under Near-Term Base conditions. LOS calculation worksheets for Near-Term Base conditions are provided in Appendix D.

Table 5.3 Peak Hour Intersection LOS Results - Near-Term Base Conditions

Intersection	Control	AM		PM	
		Delay	LOS	Delay	LOS
1: Oak Knoll Rd & Poway Rd	Signal	35.1	D	32.6	C
2: Pomerado Rd & Poway Rd	Signal	41.1	D	46.9	D
3: Pomerado Rd & Oak Knoll Rd	Signal	19.2	B	19.5	B
4: Oak Knoll Rd & Project Drwy	SSSC	Does Not Exist Under This Scenario			
5. Oak Knoll Rd & Carriage Rd	AWSC	7.4	A	8.1	A

Note:
SSSC = Side-Street Stop Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.
AWSC = All-Way Stop Controlled

As shown in Table 5.2, all study area intersections are projected to operate at LOS D or better under Near-Term Base conditions.

5.4 Near-Term Plus Project Traffic Conditions

LOS analyses were conducted using the methodologies described in Chapter 2.0. Intersection LOS analysis results are discussed separately in the following sections.

Roadway and intersection geometrics under the Near-Term Plus Project conditions were assumed to be identical to Existing geometrics with the addition of the following project driveway:

- *Oak Knoll Road / Project Driveway* – This driveway is located south of the Proposed Project and would allow for full-access. This is an unsignalized intersection, with Oak Knoll Road as uncontrolled and the Project Driveway being stop controlled. This driveway would include one inbound and one outbound lane.

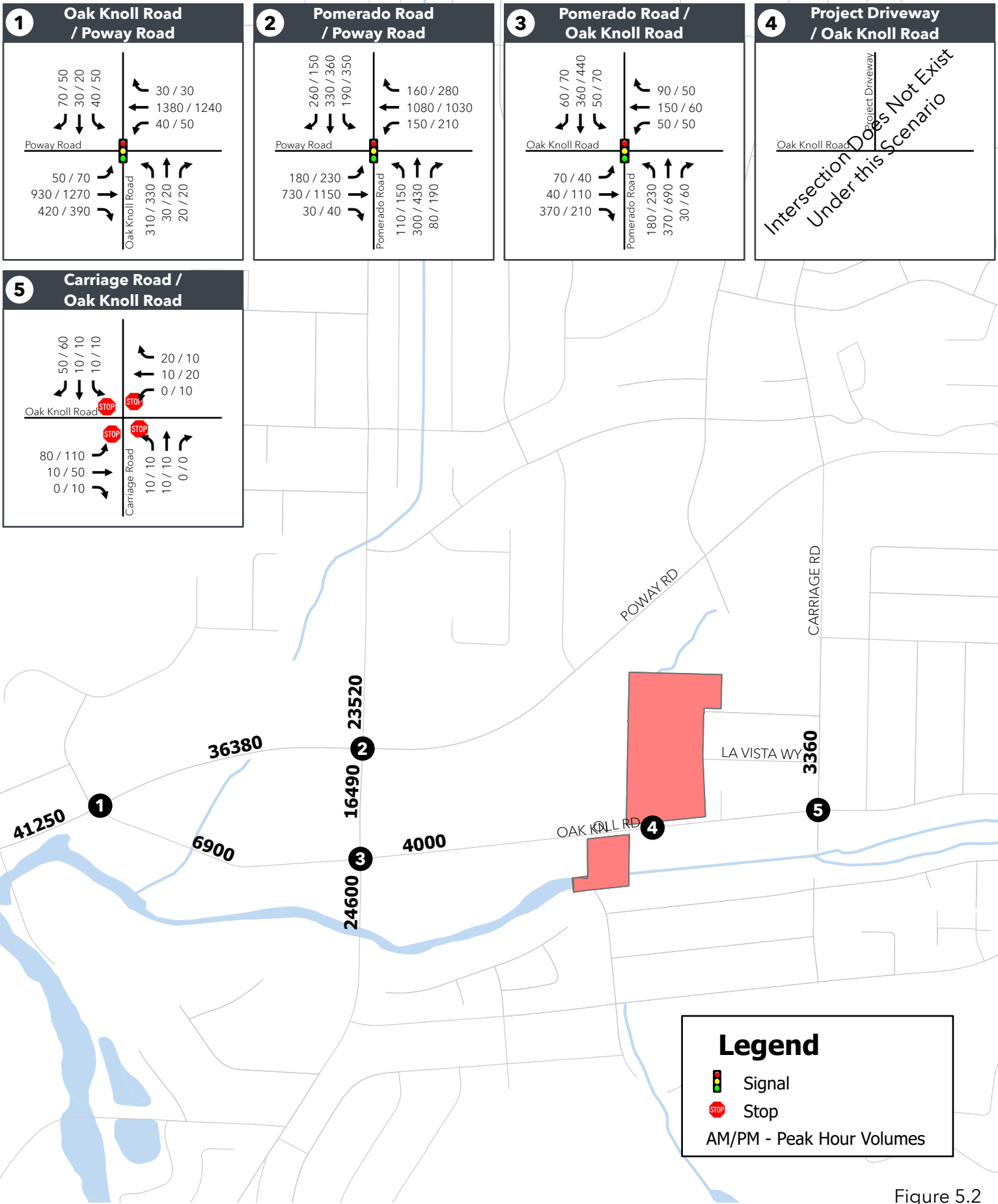


Figure 5.2

Traffic Volumes
Near Term Conditions

Near-Term Plus Project traffic volumes were derived by combining the Near-Term Base traffic volumes (displayed in Figure 5.2) and the project trip assignment volumes (displayed in Figure 3.2). Peak hour intersection volumes for this scenario are displayed in Figure 5.3.

Roadway Segment Analysis

Table 5.3 displays each study roadway segment's design threshold, ADT volume, and whether the roadway segment operates within its design threshold. As shown, all study roadways are anticipated to operate within their design threshold under Near-Term Plus Project conditions.

Table 5.3 Roadway Segment ADT and Thresholds – Near-Term Plus Project Conditions

Roadway	Segment	Functional Classification	Design Threshold	ADT	Within Design Threshold?
Poway Rd	West of Oak Knoll Rd	4-Lane Major Arterial	43,000	41,628	Yes
	Oak Knoll Rd to Pomerado Rd	4-Lane Major Arterial	43,000	36,436	Yes
Pomerado Rd	North of Poway Rd	4-Lane Collector	32,000	23,584	Yes
	Poway Rd to Oak Knoll Rd	4-Lane Collector	32,000	16,610	Yes
	South of Oak Knoll Rd	4-Lane Collector	32,000	24,694	Yes
Oak Knoll Rd	Poway Rd to Pomerado	2-Lane Local Collector	10,900	7,222	Yes
	Pomerado Rd to Carriage Rd	2-Lane Local Collector	10,900	4,536	Yes
Carriage Rd	Poway Rd to Oak Knoll Rd	2-Lane Local Collector	10,900	3,454	Yes

Intersection Analysis

Table 5.4 displays intersection LOS and average vehicle delay results under Near-Term Plus Project conditions. LOS calculation worksheets for Near-Term Plus Project conditions are provided in Appendix E.

Table 5.4 Peak Hour Intersection LOS Results - Near-Term Plus Project Conditions

Intersection	Control	AM		PM		Delay w/o Project (sec) AM/PM	LOS w/o Project AM/PM	Δ Delay (sec)	SE?
		Delay	LOS	Delay	LOS				
1: Oak Knoll Rd & Poway Rd	Signal	37.0	D	33.6	C	35.1 / 32.6	D / C	1.9 / 1.0	N / N
2: Pomerado Rd & Poway Rd	Signal	41.2	D	47.3	D	41.1 / 46.9	D / D	0.1 / 0.4	N / N
3: Pomerado Rd & Oak Knoll Rd	Signal	19.5	B	20.1	C	19.2 / 19.5	B / B	0.3 / 0.6	N / N
4: Oak Knoll Rd & Project Drwy	SSSC	10.5	B	9.8	A	0.0 / 0.0	A / A	10.5 / 9.8	N / N
5. Oak Knoll Rd & Carriage Rd	AWSC	7.4	A	8.2	A	7.6 / 8.1	A / A	0.1 / 0.1	N / N

Notes:
SSSC = Side-Street Stop Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches
AWSC = All-Way Stop Controlled
SE = Substantial Effect

As shown in Table 5.4, all study area intersections are anticipated to operate at acceptable LOS D or better under Near-Term Plus Project conditions. As such, the Proposed Project is not anticipated to have a Substantial Effect on its surrounding transportation network, based on standards outlined in Section 2.4.

5.5 Substantial Effects Under Near-Term Conditions

Based upon the criteria of Substantial Effect presented in Sections 2.3 and 2.4 of this report, the addition of Proposed Project traffic would not create a Substantial Effect to any study area intersections.

Roadway Segments

No substantial effects were identified. Therefore, no off-site improvements are recommended.

Intersections

No substantial effects were identified. Therefore, no off-site improvements are recommended.

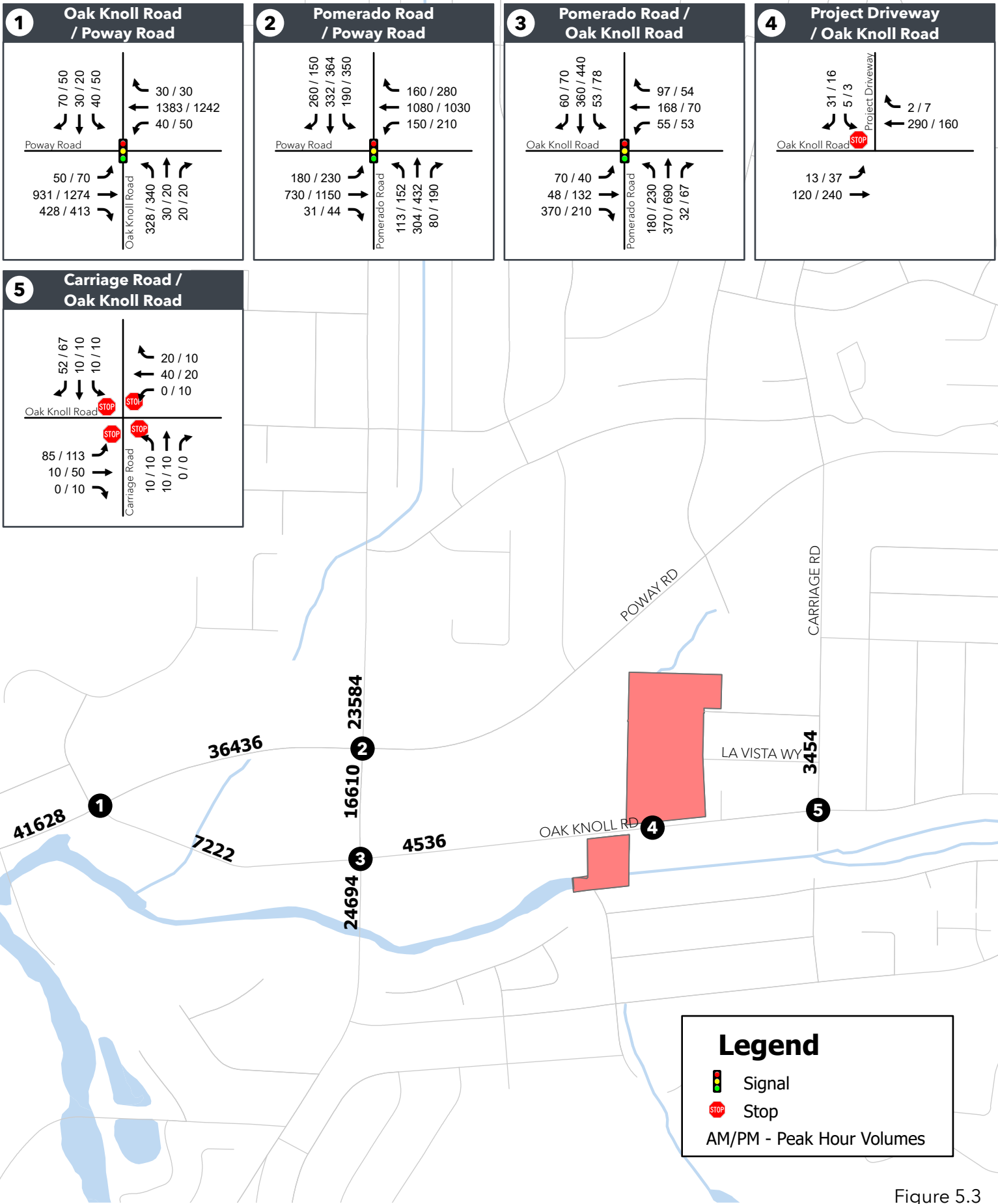


Figure 5.3

Traffic Volumes
Near Term Plus Project Conditions

6.0 Site Access

This chapter addresses access to the project site. Topics discussed include site-access and on-site circulation, and parking.

6.1 On-Site Vehicle Circulation

The Proposed Project will take access via the main driveway located on Oak Knoll Road. The driveway will connect to an internal project roadway which is a north/south loop through the project site. The internal project roadway connects to each dwelling unit's driveway. As shown in the previous section, the Proposed Project Drive is anticipated to operate at LOS A under all analysis scenarios.

The project driveway will be designed to provide adequate corner sight distance for vehicles exiting the project site (see project design plans for further information). There are no sight distance issues anticipated as the project driveway is located on a straight segment of Oak Knoll Road with no vertical or horizontal curvature. Driveway design plans showing the corner sight distance triangles will be submitted as part of the civil design plan set to the City.

6.2 Parking

The Proposed Project will provide two-car parking garages for each unit and 20-foot-deep driveways to accommodate off-street parking. Additionally, the Proposed Project includes 40 guest parking spaces along the private streets on the site. As such, the Proposed Project will provide adequate parking spaces for the residents and their guests. It should be noted that the parking located within the Proposed Project site will only be available to project residents and their guests. Parking spill over from the adjacent neighborhood will not be allowed. It will be the responsibility of the HOA to identify and report violators to the proper authorities.

Appendix A: Intersection Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

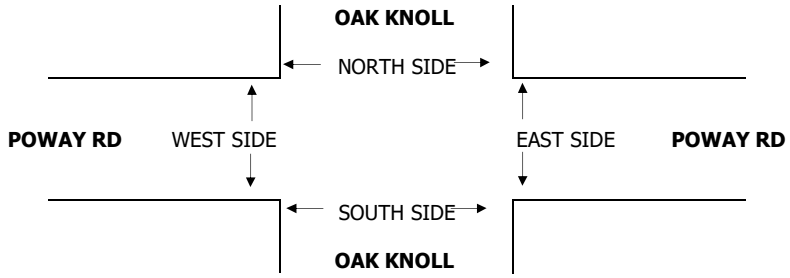
DATE:	LOCATION:	POWAY	PROJECT #:	ETD22-0422-01
4/20/22	NORTH & SOUTH:	OAK KNOLL	LOCATION #:	1
WEDNESDAY	EAST & WEST:	POWAY RD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND OAK KNOLL			SOUTHBOUND OAK KNOLL			EASTBOUND POWAY RD			WESTBOUND POWAY RD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	63	7	1	2	4	15	16	175	50	5	241	5	584			1	3	4
	7:15 AM	66	3	2	11	9	14	15	219	87	5	320	5	756				2	2
	7:30 AM	87	8	2	14	5	22	12	192	119	11	300	4	776			1	6	7
	7:45 AM	65	5	2	7	3	14	12	222	122	8	236	8	704				1	1
	8:00 AM	84	6	6	5	4	14	9	169	85	8	279	7	676			1	3	4
	8:15 AM	74	8	7	3	1	8	17	166	67	10	296	4	661				5	5
	8:30 AM	69	7	7	9	3	9	15	168	65	5	246	6	609				3	3
	8:45 AM	41	27	8	14	2	6	28	230	89	8	213	2	668			1	4	5
	VOLUMES	549	71	35	65	31	102	124	1,541	684	60	2,131	41	5,434	0	0	4	27	31
	APPROACH %	84%	11%	5%	33%	16%	52%	5%	66%	29%	3%	95%	2%						
	APP/DEPART	655	/	236	198	/	775	2,349	/	1,641	2,232	/	2,782	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	302	22	12	37	21	64	48	802	413	32	1,135	24	2,912					
	APPROACH %	90%	7%	4%	30%	17%	52%	4%	63%	33%	3%	95%	2%						
	PEAK HR FACTOR		0.866			0.744			0.887			0.902		0.938					
	APP/DEPART	336	/	94	122	/	466	1,263	/	851	1,191	/	1,501	0					
PM	4:00 PM	80	2	6	2	4	15	20	266	69	4	238	6	712				4	4
	4:15 PM	82	5	1	14	5	7	18	311	78	9	295	7	832				3	3
	4:30 PM	88	6	2	17	3	10	13	193	114	17	288	5	756			1	4	5
	4:45 PM	73	4	4	17	5	9	13	223	125	11	237	5	726			1	6	7
	5:00 PM	56	5	5	7	1	16	8	170	88	10	277	6	649				6	6
	5:15 PM	66	6	7	7	3	15	20	165	69	9	284	5	656				5	5
	5:30 PM	62	6	1	17	4	13	18	231	98	9	278	6	743		1		6	7
	5:45 PM	64	7	2	18	4	15	21	221	87	8	277	10	734				7	7
	VOLUMES	571	41	28	99	29	100	131	1,780	728	77	2,174	50	5,808	0	1	2	41	44
	APPROACH %	89%	6%	4%	43%	13%	44%	5%	67%	28%	3%	94%	2%						
	APP/DEPART	640	/	222	228	/	834	2,639	/	1,907	2,301	/	2,845	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	323	17	13	50	17	41	64	993	386	41	1,058	23	3,026					
	APPROACH %	92%	5%	4%	46%	16%	38%	4%	69%	27%	4%	94%	2%						
	PEAK HR FACTOR		0.919			0.871			0.886			0.902		0.909					
	APP/DEPART	353	/	104	108	/	444	1,443	/	1,056	1,122	/	1,422	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM					0					0			1		1
	7:15 AM		1			1					0			1		1
	7:30 AM					0					0		1		1	2
	7:45 AM					0					0			1		1
	8:00 AM		2		2	4					0			1		1
	8:15 AM					0					0					0
	8:30 AM					0					0				1	1
	8:45 AM					0					0		1	1	1	3
	TOTAL	0	3	0	2	5	0	0	0	0	0	0	2	5	3	10
PM	4:00 PM					0					0			1		1
	4:15 PM			2		2					0		1		1	2
	4:30 PM					0					0		1	1	1	3
	4:45 PM					0					0					0
	5:00 PM					0					0					0
	5:15 PM		1			1					0			1	1	2
	5:30 PM					0					0		1		1	2
	5:45 PM					0					0					0
	TOTAL	0	1	2	0	3	0	0	0	0	0	0	3	3	4	10

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

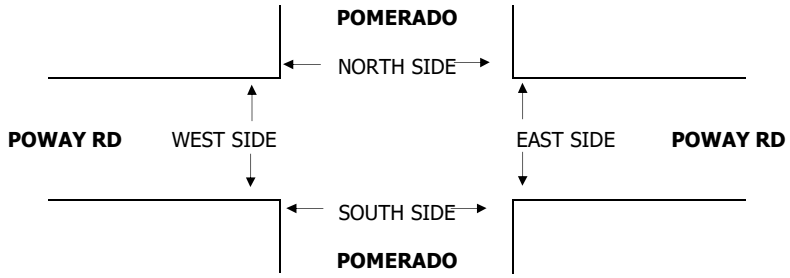
DATE:	LOCATION:	POWAY	PROJECT #:	ETD22-0422-01
4/20/22	NORTH & SOUTH:	POMERADO	LOCATION #:	2
WEDNESDAY	EAST & WEST:	POWAY RD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND POMERADO			SOUTHBOUND POMERADO			EASTBOUND POWAY RD			WESTBOUND POWAY RD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	11	97	11	26	52	50	76	79	4	20	169	45	640					0
	7:15 AM	21	106	15	45	89	99	74	122	4	31	216	32	854					0
	7:30 AM	27	52	18	47	96	77	42	158	10	35	199	23	784					0
	7:45 AM	28	79	19	41	69	28	37	183	7	26	199	38	754					0
	8:00 AM	27	54	15	41	71	56	26	141	4	40	217	35	727				1	1
	8:15 AM	19	74	13	39	68	43	22	139	8	32	249	46	752				1	1
	8:30 AM	17	57	21	36	75	36	29	148	5	23	190	30	667				1	1
	8:45 AM	16	62	26	39	52	30	48	198	7	40	178	33	729					0
	VOLUMES	166	581	138	314	572	419	354	1,168	49	247	1,617	282	5,907	0	0	0	3	3
	APPROACH %	19%	66%	16%	24%	44%	32%	23%	74%	3%	12%	75%	13%						
	APP/DEPART	885	/	1,217	1,305	/	868	1,571	/	1,620	2,146	/	2,202	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	103	291	67	174	325	260	179	604	25	132	831	128	3,119					
	APPROACH %	22%	63%	15%	23%	43%	34%	22%	75%	3%	12%	76%	12%						
	PEAK HR FACTOR		0.812			0.814			0.890			0.934		0.913					
	APP/DEPART	461	/	598	759	/	482	808	/	845	1,091	/	1,194	0					
PM	4:00 PM	44	100	21	47	113	48	52	231	2	39	200	51	948			2	5	7
	4:15 PM	49	120	35	61	99	22	54	231	2	35	197	53	958			2	7	9
	4:30 PM	42	104	31	59	86	39	56	187	9	54	242	59	968				9	9
	4:45 PM	37	108	39	86	95	31	56	246	7	47	181	70	1,003			1	11	12
	5:00 PM	29	123	56	87	86	41	58	215	9	46	232	56	1,038				10	10
	5:15 PM	35	94	45	84	89	38	55	221	8	43	194	70	976			1	6	7
	5:30 PM	23	90	36	61	76	45	53	231	9	40	237	62	963			2	5	7
	5:45 PM	33	82	41	73	76	31	50	232	9	49	234	63	973				8	8
	VOLUMES	292	821	304	558	720	295	434	1,794	55	353	1,717	484	7,827	0	0	8	61	69
	APPROACH %	21%	58%	21%	35%	46%	19%	19%	79%	2%	14%	67%	19%						
	APP/DEPART	1,417	/	1,739	1,573	/	1,128	2,283	/	2,656	2,554	/	2,304	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	143	429	171	316	356	149	225	869	33	190	849	255	3,985					
	APPROACH %	19%	58%	23%	38%	43%	18%	20%	77%	3%	15%	66%	20%						
	PEAK HR FACTOR		0.893			0.959			0.912			0.911		0.960					
	APP/DEPART	743	/	909	821	/	579	1,127	/	1,356	1,294	/	1,141	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	5	1	1	1	8					0				1	1
	7:15 AM	2	3	1	1	7					0					0
	7:30 AM	1			1	2					0					0
	7:45 AM	3	1	1		5					0					0
	8:00 AM		1		1	2					0					0
	8:15 AM	1	1	1	1	4					0					0
	8:30 AM	1			1	2					0		1			1
	8:45 AM	1	6	2	2	11					0			1		1
	TOTAL	14	13	6	8	41	0	0	0	0	0	0	1	1	1	3
PM	4:00 PM			1	1	2					0			2		2
	4:15 PM			1	1	2					0					0
	4:30 PM					0					0					0
	4:45 PM	2		1	1	4					0		1		1	2
	5:00 PM	2		1	3	6					0					0
	5:15 PM		1		1	2					0		1			1
	5:30 PM	1			1	2					0					0
	5:45 PM	1	2	1	2	6					0		2		1	3
	TOTAL	6	3	5	10	24	0	0	0	0	0	0	4	2	2	8

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

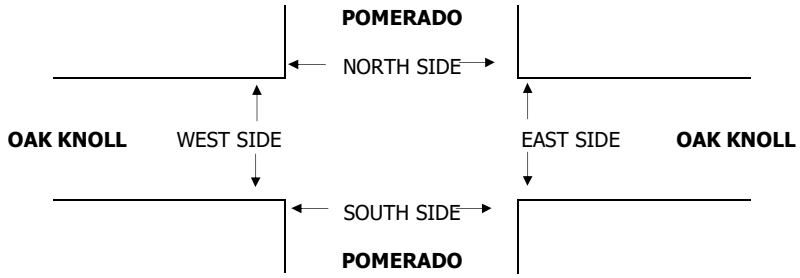
DATE:	LOCATION:	POWAY	PROJECT #:	ETD22-0422-01
4/20/22	NORTH & SOUTH:	POMERADO	LOCATION #:	3
WEDNESDAY	EAST & WEST:	OAK KNOLL	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND POMERADO			SOUTHBOUND POMERADO			EASTBOUND OAK KNOLL			WESTBOUND OAK KNOLL				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	32	92	7	9	49	5	11	5	42	19	33	38	342					0
	7:15 AM	45	115	7	13	89	9	16	7	86	4	32	25	448					0
	7:30 AM	51	78	4	11	95	19	16	7	96	4	30	13	424					0
	7:45 AM	26	83	7	12	66	8	21	8	105	14	32	23	405					0
	8:00 AM	51	78	10	5	83	24	8	14	76	24	52	29	454					0
	8:15 AM	46	93	7	8	88	11	8	10	52	3	24	18	368					0
	8:30 AM	44	85	7	5	77	7	3	10	79	9	25	8	359					0
	8:45 AM	32	66	5	4	63	11	4	11	56	5	24	16	297					0
	VOLUMES	327	690	54	67	610	94	87	72	592	82	252	170	3,097	0	0	0	0	0
	APPROACH %	31%	64%	5%	9%	79%	12%	12%	10%	79%	16%	50%	34%						
	APP/DEPART	1,071	/	947	771	/	1,284	751	/	193	504	/	673	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	173	354	28	41	333	60	61	36	363	46	146	90	1,731					
	APPROACH %	31%	64%	5%	9%	77%	14%	13%	8%	79%	16%	52%	32%						
	PEAK HR FACTOR		0.831			0.868			0.858			0.671		0.953					
	APP/DEPART	555	/	505	434	/	742	460	/	105	282	/	379	0					
PM	4:00 PM	61	163	18	13	100	12	5	29	51	6	13	11	482		1			1
	4:15 PM	53	170	11	18	96	9	10	31	60	12	8	16	494					0
	4:30 PM	72	157	12	20	102	18	13	18	59	8	18	14	511					0
	4:45 PM	50	179	18	21	104	20	7	26	49	9	14	8	505					0
	5:00 PM	50	165	18	10	123	15	4	28	42	12	15	7	489		1			1
	5:15 PM	49	136	16	14	99	12	1	24	48	13	6	17	435					0
	5:30 PM	38	132	16	15	100	13	2	25	57	10	13	15	436					0
	5:45 PM	53	134	15	21	103	12	2	26	44	5	11	14	440					0
	VOLUMES	426	1,236	124	132	827	111	44	207	410	75	98	102	3,792	0	2	0	0	2
	APPROACH %	24%	69%	7%	12%	77%	10%	7%	31%	62%	27%	36%	37%						
	APP/DEPART	1,786	/	1,382	1,070	/	1,312	661	/	463	275	/	635	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	225	671	59	69	425	62	34	103	210	41	55	45	1,999					
	APPROACH %	24%	70%	6%	12%	76%	11%	10%	30%	61%	29%	39%	32%						
	PEAK HR FACTOR		0.967			0.939			0.859			0.881		0.978					
	APP/DEPART	955	/	750	556	/	676	347	/	231	141	/	342	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM				1	1					0					0
	7:15 AM	2			1	3					0					0
	7:30 AM		1		2	3					0					0
	7:45 AM	2			1	3					0				1	1
	8:00 AM		1			1					0	1				1
	8:15 AM		1		2	3					0					0
	8:30 AM		1			1					0			1		1
	8:45 AM		1			1					0					0
	TOTAL	4	5	0	7	16	0	0	0	0	0	1	0	1	1	3
PM	4:00 PM	2				2					0	1				1
	4:15 PM	1		1	1	3					0					0
	4:30 PM	1				1					0					0
	4:45 PM			1		1					0					0
	5:00 PM	3			1	4					0					0
	5:15 PM	2				2					0					0
	5:30 PM	1				1					0			1		1
	5:45 PM	1	2		4	7					0					0
	TOTAL	11	2	2	6	21	0	0	0	0	0	1	0	1	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

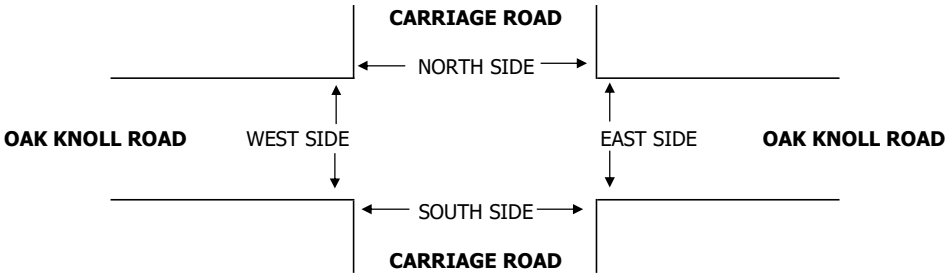
DATE:	LOCATION:	POWAY	PROJECT #:	ETD22-1007-01
10/4/22	NORTH & SOUTH:	CARRIAGE ROAD	LOCATION #:	1
TUESDAY	EAST & WEST:	OAK KNOLL ROAD	CONTROL:	STOP

NOTES:

INCLUDES BIKE & PED

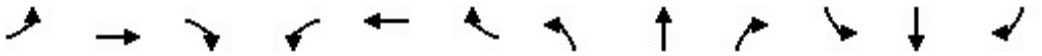
AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND CARRIAGE ROAD			SOUTHBOUND CARRIAGE ROAD			EASTBOUND OAK KNOLL ROAD			WESTBOUND OAK KNOLL ROAD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	1	0	0	1	1	14	16	1	0	0	9	5	48					0
	7:15 AM	3	0	0	1	1	6	14	1	0	0	7	2	35					0
	7:30 AM	0	1	0	1	0	12	22	4	0	0	7	5	52					0
	7:45 AM	0	0	0	1	0	11	20	4	0	0	11	2	49					0
	8:00 AM	0	0	0	0	0	12	15	2	1	0	11	1	42					0
	8:15 AM	0	0	0	0	0	9	4	8	1	0	6	1	29	1				1
	8:30 AM	1	0	0	1	0	13	13	3	1	0	6	1	39					0
	8:45 AM	1	1	0	0	0	8	11	3	0	0	3	0	27					0
	VOLUMES	6	2	0	5	2	85	115	26	3	0	60	17	321	1	0	0	0	1
	APPROACH %	75%	25%	0%	5%	2%	92%	80%	18%	2%	0%	78%	22%						
	APP/DEPART	8	/	134	92	/	5	144	/	31	77	/	151	0					
	BEGIN PEAK HR		7:00 AM																
	VOLUMES	4	1	0	4	2	43	72	10	0	0	34	14	184					
	APPROACH %	80%	20%	0%	8%	4%	88%	88%	12%	0%	0%	71%	29%						
	PEAK HR FACTOR		0.417			0.766			0.788			0.857		0.885					
	APP/DEPART	5	/	87	49	/	2	82	/	14	48	/	81	0					
PM	4:00 PM	0	0	0	3	0	11	22	5	1	0	6	0	48					0
	4:15 PM	0	0	0	2	0	14	20	7	0	0	6	3	52					0
	4:30 PM	0	0	0	4	0	15	20	12	0	0	5	3	59					0
	4:45 PM	0	0	0	1	0	14	25	11	0	1	6	2	60					0
	5:00 PM	1	1	0	1	0	12	26	9	0	0	5	1	56					0
	5:15 PM	0	0	0	1	1	18	29	10	2	0	4	4	69					0
	5:30 PM	0	3	0	1	1	11	25	10	0	0	4	3	58					0
	5:45 PM	0	0	0	2	0	9	23	11	0	0	4	0	49				1	1
	VOLUMES	1	4	0	15	2	104	190	75	3	1	40	16	451	0	0	0	1	1
	APPROACH %	20%	80%	0%	12%	2%	86%	71%	28%	1%	2%	70%	28%						
	APP/DEPART	5	/	210	121	/	6	268	/	90	57	/	145	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	1	0	7	1	59	100	42	2	1	20	10	244					
	APPROACH %	50%	50%	0%	10%	1%	88%	69%	29%	1%	3%	65%	32%						
	PEAK HR FACTOR		0.250			0.838			0.878			0.861		0.884					
	APP/DEPART	2	/	111	67	/	4	144	/	49	31	/	80	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	2	4	2	9					0			1		1
	7:15 AM		1	1		2					0					0
	7:30 AM	2	1	1	2	6					0		2		1	3
	7:45 AM			1		1					0		1			1
	8:00 AM	2	1	3		6					0					0
	8:15 AM	1				1					0					0
	8:30 AM	1	1	1	1	4					0					0
	8:45 AM			1		1					0		1			1
	TOTAL	7	6	12	5	30	0	0	0	0	0	0	4	1	1	6
PM	4:00 PM			1		1					0					0
	4:15 PM				1	1					0					0
	4:30 PM	2		2	1	5					0	2				2
	4:45 PM	2				2					0					0
	5:00 PM	1				1					0					0
	5:15 PM		2	1		3					0	1				1
	5:30 PM	1	1	1	1	4					0					0
	5:45 PM		1		3	4					0	1			1	2
	TOTAL	6	4	5	6	21	0	0	0	0	0	4	0	0	1	5

Appendix B: LOS Analysis Worksheets – Existing Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	802	413	32	1135	24	302	22	12	37	21	64
Future Volume (veh/h)	48	802	413	32	1135	24	302	22	12	37	21	64
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	51	853	173	34	1207	24	321	23	0	39	22	55
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	66	2062	897	44	2022	40	367	22		349	188	429
Arrive On Green	0.04	0.58	0.58	0.02	0.38	0.38	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1546	1781	3564	71	1141	82	1585	1107	684	1561
Grp Volume(v), veh/h	51	853	173	34	602	629	344	0	0	61	0	55
Grp Sat Flow(s),veh/h/ln	1781	1777	1546	1781	1777	1858	1223	0	1585	1791	0	1561
Q Serve(g_s), s	3.7	17.2	6.9	2.5	35.3	35.3	32.4	0.0	0.0	0.0	0.0	3.4
Cycle Q Clear(g_c), s	3.7	17.2	6.9	2.5	35.3	35.3	35.7	0.0	0.0	3.3	0.0	3.4
Prop In Lane	1.00		1.00	1.00		0.04	0.93		1.00	0.64		1.00
Lane Grp Cap(c), veh/h	66	2062	897	44	1008	1054	389	0		537	0	429
V/C Ratio(X)	0.77	0.41	0.19	0.78	0.60	0.60	0.88	0.00		0.11	0.00	0.13
Avail Cap(c_a), veh/h	370	2062	897	301	1008	1054	389	0		537	0	429
HCM Platoon Ratio	1.00	1.00	1.00	0.67	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.84	0.84	0.84	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	62.0	15.1	12.9	63.6	28.4	28.4	49.2	0.0	0.0	35.4	0.0	35.5
Incr Delay (d2), s/veh	6.9	0.6	0.5	9.1	2.2	2.1	20.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	6.9	2.5	1.2	16.4	17.2	13.5	0.0	0.0	1.5	0.0	1.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	69.0	15.7	13.4	72.7	30.6	30.5	69.2	0.0	0.0	35.4	0.0	35.5
LnGrp LOS	E	B	B	E	C	C	E	A		D	A	D
Approach Vol, veh/h		1077			1265			344			116	
Approach Delay, s/veh		17.8			31.6			69.2			35.5	
Approach LOS		B			C			E			D	

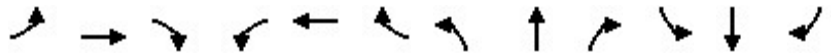
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.8	80.2		41.0	7.2	81.8		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	27.0	31.6		* 36	22.0	* 37		* 16				
Max Q Clear Time (g_c+I1), s	5.7	37.3		37.7	4.5	19.2		5.4				
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	7.2		0.2				

Intersection Summary		
HCM 6th Ctrl Delay	31.1	
HCM 6th LOS	C	

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	179	604	25	132	831	128	103	291	67	174	325	260
Future Volume (veh/h)	179	604	25	132	831	128	103	291	67	174	325	260
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	197	664	22	145	913	108	113	320	63	191	357	149
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	249	1863	62	171	1965	873	169	445	86	247	630	277
Arrive On Green	0.02	0.18	0.18	0.10	0.55	0.55	0.05	0.15	0.15	0.07	0.18	0.18
Sat Flow, veh/h	3456	3510	116	1781	3554	1578	3456	2960	575	3456	3554	1561
Grp Volume(v), veh/h	197	336	350	145	913	108	113	190	193	191	357	149
Grp Sat Flow(s),veh/h/ln	1728	1777	1849	1781	1777	1578	1728	1777	1759	1728	1777	1561
Q Serve(g_s), s	7.4	21.6	21.6	10.4	20.1	4.3	4.2	13.3	13.6	7.1	11.9	11.3
Cycle Q Clear(g_c), s	7.4	21.6	21.6	10.4	20.1	4.3	4.2	13.3	13.6	7.1	11.9	11.3
Prop In Lane	1.00		0.06	1.00		1.00	1.00		0.33	1.00		1.00
Lane Grp Cap(c), veh/h	249	943	982	171	1965	873	169	267	264	247	630	277
V/C Ratio(X)	0.79	0.36	0.36	0.85	0.46	0.12	0.67	0.71	0.73	0.77	0.57	0.54
Avail Cap(c_a), veh/h	261	943	982	288	1965	873	516	513	507	526	1052	462
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.85	0.85	0.85	1.00	1.00	1.00	0.96	0.96	0.96	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.5	34.1	34.1	57.8	17.5	13.9	60.8	52.6	52.7	59.3	48.9	48.6
Incr Delay (d2), s/veh	11.4	0.9	0.9	4.8	0.8	0.3	5.2	4.1	4.4	2.0	1.0	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	10.5	11.0	4.9	8.2	1.6	1.9	6.1	6.2	3.1	5.3	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	73.8	35.0	34.9	62.7	18.3	14.2	66.0	56.6	57.1	61.3	49.9	50.6
LnGrp LOS	E	C	C	E	B	B	E	E	E	E	D	D
Approach Vol, veh/h		883			1166			496			697	
Approach Delay, s/veh		43.6			23.4			58.9			53.2	
Approach LOS		D			C			E			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.5	25.0	13.6	77.9	10.0	28.6	16.5	75.0
Change Period (Y+Rc), s	* 4.2	5.5	* 4.2	6.0	3.6	5.5	4.0	6.0
Max Green Setting (Gmax), s	* 9.3	37.5	* 9.8	38.0	19.4	38.5	21.0	32.0
Max Q Clear Time (g_c+I1), s	9.1	15.6	9.4	22.1	6.2	13.9	12.4	23.6
Green Ext Time (p_c), s	0.2	2.4	0.0	7.0	0.3	3.2	0.1	3.0

Intersection Summary	
HCM 6th Ctrl Delay	40.7
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	36	363	46	149	90	173	354	28	41	333	60
Future Volume (veh/h)	61	36	363	46	149	90	173	354	28	41	333	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	64	38	171	48	157	84	182	373	27	43	351	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	125	370	311	172	255	137	233	1033	74	64	743	325
Arrive On Green	0.07	0.20	0.20	0.10	0.22	0.22	0.13	0.31	0.31	0.04	0.21	0.21
Sat Flow, veh/h	1781	1870	1571	1781	1138	609	1781	3355	242	1781	3554	1555
Grp Volume(v), veh/h	64	38	171	48	0	241	182	197	203	43	351	58
Grp Sat Flow(s),veh/h/ln	1781	1870	1571	1781	0	1747	1781	1777	1820	1781	1777	1555
Q Serve(g_s), s	1.8	0.9	5.0	1.3	0.0	6.4	5.1	4.4	4.5	1.2	4.5	1.6
Cycle Q Clear(g_c), s	1.8	0.9	5.0	1.3	0.0	6.4	5.1	4.4	4.5	1.2	4.5	1.6
Prop In Lane	1.00		1.00	1.00		0.35	1.00		0.13	1.00		1.00
Lane Grp Cap(c), veh/h	125	370	311	172	0	392	233	547	560	64	743	325
V/C Ratio(X)	0.51	0.10	0.55	0.28	0.00	0.61	0.78	0.36	0.36	0.68	0.47	0.18
Avail Cap(c_a), veh/h	1040	910	764	1040	0	850	694	1729	1771	676	3459	1513
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.0	16.9	18.6	21.5	0.0	17.9	21.6	13.8	13.8	24.5	17.8	16.7
Incr Delay (d2), s/veh	1.2	0.0	0.6	0.3	0.0	0.6	2.2	0.5	0.5	4.6	0.6	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.3	1.7	0.5	0.0	2.4	1.9	1.5	1.5	0.5	1.6	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.3	16.9	19.1	21.9	0.0	18.5	23.8	14.3	14.3	29.1	18.4	17.0
LnGrp LOS	C	B	B	C	A	B	C	B	B	C	B	B
Approach Vol, veh/h		273			289			582			452	
Approach Delay, s/veh		20.0			19.1			17.3			19.2	
Approach LOS		C			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	5.8	21.1	7.6	16.8	10.9	16.0	9.0	15.5
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	3.2	6.5	3.8	8.4	7.1	6.5	3.3	7.0
Green Ext Time (p_c), s	0.0	2.8	0.1	0.9	0.2	3.0	0.0	0.4

Intersection Summary	
HCM 6th Ctrl Delay	18.6
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		⋔	
Traffic Vol, veh/h	0	105	285	0	0	0
Future Vol, veh/h	0	105	285	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	114	310	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	424	310
Stage 1	-	-	-	-	310	-
Stage 2	-	-	-	-	114	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	587	730
Stage 1	0	-	-	0	744	-
Stage 2	0	-	-	0	911	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	587	730
Mov Cap-2 Maneuver	-	-	-	-	587	-
Stage 1	-	-	-	-	744	-
Stage 2	-	-	-	-	911	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

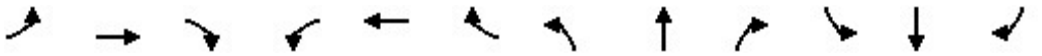
Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	-	-	0
HCM Lane LOS	-	-	A
HCM 95th %tile Q(veh)	-	-	-

Intersection	
Intersection Delay, s/veh	7.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Future Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	11	0	0	38	16	4	1	0	4	2	48
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.8	7.2	7.5	7
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	80%	88%	0%	8%
Vol Thru, %	20%	12%	71%	4%
Vol Right, %	0%	0%	29%	88%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	5	82	48	49
LT Vol	4	72	0	4
Through Vol	1	10	34	2
RT Vol	0	0	14	43
Lane Flow Rate	6	92	54	55
Geometry Grp	1	1	1	1
Degree of Util (X)	0.007	0.109	0.059	0.056
Departure Headway (Hd)	4.39	4.257	3.935	3.679
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	805	842	906	960
Service Time	2.471	2.284	1.976	1.754
HCM Lane V/C Ratio	0.007	0.109	0.06	0.057
HCM Control Delay	7.5	7.8	7.2	7
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0	0.4	0.2	0.2



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	64	993	386	41	1058	23	323	17	13	50	17	41
Future Volume (veh/h)	64	993	386	41	1058	23	323	17	13	50	17	41
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	70	1091	204	45	1163	23	355	19	0	55	19	36
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	90	2032	888	58	1975	39	370	17		408	134	429
Arrive On Green	0.05	0.57	0.57	0.03	0.55	0.55	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1552	1781	3564	70	1153	62	1585	1311	489	1563
Grp Volume(v), veh/h	70	1091	204	45	580	606	374	0	0	74	0	36
Grp Sat Flow(s),veh/h/ln	1781	1777	1552	1781	1777	1858	1214	0	1585	1800	0	1563
Q Serve(g_s), s	5.0	24.7	8.4	3.3	28.1	28.1	31.7	0.0	0.0	0.0	0.0	2.2
Cycle Q Clear(g_c), s	5.0	24.7	8.4	3.3	28.1	28.1	35.7	0.0	0.0	4.0	0.0	2.2
Prop In Lane	1.00		1.00	1.00		0.04	0.95		1.00	0.74		1.00
Lane Grp Cap(c), veh/h	90	2032	888	58	985	1030	387	0		543	0	429
V/C Ratio(X)	0.78	0.54	0.23	0.77	0.59	0.59	0.97	0.00		0.14	0.00	0.08
Avail Cap(c_a), veh/h	343	2032	888	370	985	1030	387	0		543	0	429
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.76	0.76	0.76	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	61.0	17.2	13.7	62.4	19.2	19.2	50.9	0.0	0.0	35.7	0.0	35.0
Incr Delay (d2), s/veh	5.4	1.0	0.6	6.0	2.0	1.9	36.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	10.0	3.1	1.6	11.7	12.2	16.4	0.0	0.0	1.8	0.0	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	66.5	18.2	14.3	68.4	21.1	21.1	87.2	0.0	0.0	35.7	0.0	35.0
LnGrp LOS	E	B	B	E	C	C	F	A		D	A	D
Approach Vol, veh/h		1365			1231			374			110	
Approach Delay, s/veh		20.1			22.8			87.2			35.5	
Approach LOS		C			C			F			D	

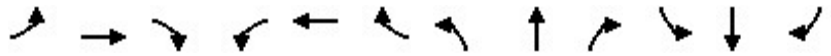
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.5	78.5		41.0	8.3	80.7		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	25.0	35.6		* 36	27.0	* 34		* 14				
Max Q Clear Time (g_c+I1), s	7.0	30.1		37.7	5.3	26.7		6.0				
Green Ext Time (p_c), s	0.1	3.7		0.0	0.0	4.9		0.1				

Intersection Summary			
HCM 6th Ctrl Delay		29.9	
HCM 6th LOS		C	

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



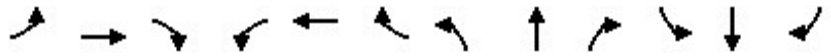
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	225	869	33	190	849	255	143	429	171	316	356	149
Future Volume (veh/h)	225	869	33	190	849	255	143	429	171	316	356	149
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	234	905	29	198	884	162	149	447	100	329	371	25
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	314	1138	36	235	1298	578	222	607	135	411	964	421
Arrive On Green	0.09	0.32	0.32	0.13	0.37	0.37	0.06	0.21	0.21	0.12	0.27	0.27
Sat Flow, veh/h	3456	3511	113	1781	3554	1584	3456	2887	641	3456	3554	1551
Grp Volume(v), veh/h	234	458	476	198	884	162	149	274	273	329	371	25
Grp Sat Flow(s),veh/h/ln	1728	1777	1847	1781	1777	1584	1728	1777	1752	1728	1777	1551
Q Serve(g_s), s	6.1	21.7	21.7	10.1	19.5	6.7	3.9	13.3	13.5	8.6	7.9	1.1
Cycle Q Clear(g_c), s	6.1	21.7	21.7	10.1	19.5	6.7	3.9	13.3	13.5	8.6	7.9	1.1
Prop In Lane	1.00		0.06	1.00		1.00	1.00		0.37	1.00		1.00
Lane Grp Cap(c), veh/h	314	576	599	235	1298	578	222	374	368	411	964	421
V/C Ratio(X)	0.74	0.80	0.80	0.84	0.68	0.28	0.67	0.73	0.74	0.80	0.38	0.06
Avail Cap(c_a), veh/h	746	767	797	577	1534	684	746	959	945	746	1918	837
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	41.1	28.5	28.5	39.3	24.9	20.8	42.4	34.2	34.2	39.8	27.5	25.0
Incr Delay (d2), s/veh	1.3	4.7	4.5	3.2	1.1	0.3	1.3	3.4	3.6	1.4	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	9.6	9.9	4.5	8.0	2.4	1.6	5.8	5.8	3.6	3.2	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	42.4	33.2	33.0	42.4	26.0	21.1	43.7	37.5	37.8	41.1	27.8	25.1
LnGrp LOS	D	C	C	D	C	C	D	D	D	D	C	C
Approach Vol, veh/h		1168			1244			696			725	
Approach Delay, s/veh		35.0			27.9			38.9			33.7	
Approach LOS		C			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.6	39.8	15.2	25.0	16.4	36.0	9.6	30.6
Change Period (Y+Rc), s	* 4.2	6.0	* 4.2	5.5	* 4.2	6.0	3.6	5.5
Max Green Setting (Gmax), s	* 8	40.0	* 20	50.0	* 30	40.0	20.0	50.0
Max Q Clear Time (g_c+I1), s	8.1	21.5	10.6	15.5	12.1	23.7	5.9	9.9
Green Ext Time (p_c), s	0.3	7.5	0.4	4.0	0.2	6.3	0.2	3.0

Intersection Summary	
HCM 6th Ctrl Delay	33.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	103	210	41	55	45	225	671	59	69	425	62
Future Volume (veh/h)	34	103	210	41	55	45	225	671	59	69	425	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	35	105	10	42	56	36	230	685	58	70	434	58
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	81	323	270	155	227	146	287	1123	95	89	796	343
Arrive On Green	0.05	0.17	0.17	0.09	0.21	0.21	0.16	0.34	0.34	0.05	0.22	0.22
Sat Flow, veh/h	1781	1870	1565	1781	1061	682	1781	3315	280	1781	3554	1533
Grp Volume(v), veh/h	35	105	10	42	0	92	230	367	376	70	434	58
Grp Sat Flow(s),veh/h/ln	1781	1870	1565	1781	0	1743	1781	1777	1819	1781	1777	1533
Q Serve(g_s), s	1.0	2.6	0.3	1.2	0.0	2.3	6.6	9.1	9.1	2.1	5.7	1.6
Cycle Q Clear(g_c), s	1.0	2.6	0.3	1.2	0.0	2.3	6.6	9.1	9.1	2.1	5.7	1.6
Prop In Lane	1.00		1.00	1.00		0.39	1.00		0.15	1.00		1.00
Lane Grp Cap(c), veh/h	81	323	270	155	0	373	287	602	616	89	796	343
V/C Ratio(X)	0.43	0.33	0.04	0.27	0.00	0.25	0.80	0.61	0.61	0.79	0.55	0.17
Avail Cap(c_a), veh/h	1010	884	740	1010	0	824	674	1680	1719	657	3359	1450
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.6	19.2	18.2	22.6	0.0	17.2	21.4	14.6	14.6	24.8	18.1	16.6
Incr Delay (d2), s/veh	1.3	0.2	0.0	0.3	0.0	0.1	2.0	1.2	1.2	5.7	0.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.1	0.1	0.5	0.0	0.9	2.5	3.0	3.1	0.9	2.0	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.9	19.4	18.2	22.9	0.0	17.4	23.4	15.8	15.8	30.5	18.9	16.8
LnGrp LOS	C	B	B	C	A	B	C	B	B	C	B	B
Approach Vol, veh/h		150			134			973			562	
Approach Delay, s/veh		20.8			19.1			17.6			20.1	
Approach LOS		C			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.6	23.2	6.4	16.6	12.7	17.1	8.6	14.4
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	4.1	11.1	3.0	4.3	8.6	7.7	3.2	4.6
Green Ext Time (p_c), s	0.1	5.8	0.0	0.3	0.2	3.7	0.0	0.3

Intersection Summary	
HCM 6th Ctrl Delay	18.7
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↱	
Traffic Vol, veh/h	0	231	141	0	0	0
Future Vol, veh/h	0	231	141	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	251	153	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	404	153
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	251	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	603	893
Stage 1	0	-	-	0	875	-
Stage 2	0	-	-	0	791	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	603	893
Mov Cap-2 Maneuver	-	-	-	-	603	-
Stage 1	-	-	-	-	875	-
Stage 2	-	-	-	-	791	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	-	-	0
HCM Lane LOS	-	-	A
HCM 95th %tile Q(veh)	-	-	-

Intersection	
Intersection Delay, s/veh	7.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	100	42	1	1	20	10	1	1	0	7	1	59
Future Vol, veh/h	100	42	1	1	20	10	1	1	0	7	1	59
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	114	48	1	1	23	11	1	1	0	8	1	67
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.3	7.2	7.6	7.2
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	50%	70%	3%	10%
Vol Thru, %	50%	29%	65%	1%
Vol Right, %	0%	1%	32%	88%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	2	143	31	67
LT Vol	1	100	1	7
Through Vol	1	42	20	1
RT Vol	0	1	10	59
Lane Flow Rate	2	162	35	76
Geometry Grp	1	1	1	1
Degree of Util (X)	0.003	0.191	0.039	0.082
Departure Headway (Hd)	4.555	4.234	4.008	3.873
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	790	845	883	930
Service Time	2.557	2.27	2.079	1.873
HCM Lane V/C Ratio	0.003	0.192	0.04	0.082
HCM Control Delay	7.6	8.3	7.2	7.2
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0	0.7	0.1	0.3

Appendix C: Cumulative Projects Information

Table 1: Project Trip Generation (*including all trip types*)

Land Use	Intensity	Rate*	ADT	AM						PM					
				Peak%*	Vol.	In % : Out%		In	Out	Peak%*	Vol.	In % : Out%		In	Out
PROPOSED PROJECT															
Specialty Retail / Strip Commercial	19 KSF	40 /KSF	760	3%	23	60% : 40%		14	9	9%	68	50% : 50%		34	34
Condominium	141 units	8 /unit	1,128	8%	90	20% : 80%		18	72	10%	113	70% : 30%		79	34
Sit-Down Restaurant	4.5 KSF	160 /KSF	720	8%	58	50% : 50%		29	29	8%	58	60% : 40%		35	23
Delicatessen (7am-4pm)	1.5 KSF	150 /KSF	225	9%	20	60% : 40%		12	8	3%	7	30% : 70%		2	5
Total			2,833		191			73	118		246			150	96

Source:
*Rates are used taken from SANDAG "(Not so) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region", April 2002.
Note:
ADT= Average Daily Trips
KSF = 1,000 Square Feet

Table 2: Comparison of Primary, Diverted, and Pass-By Project ADTs

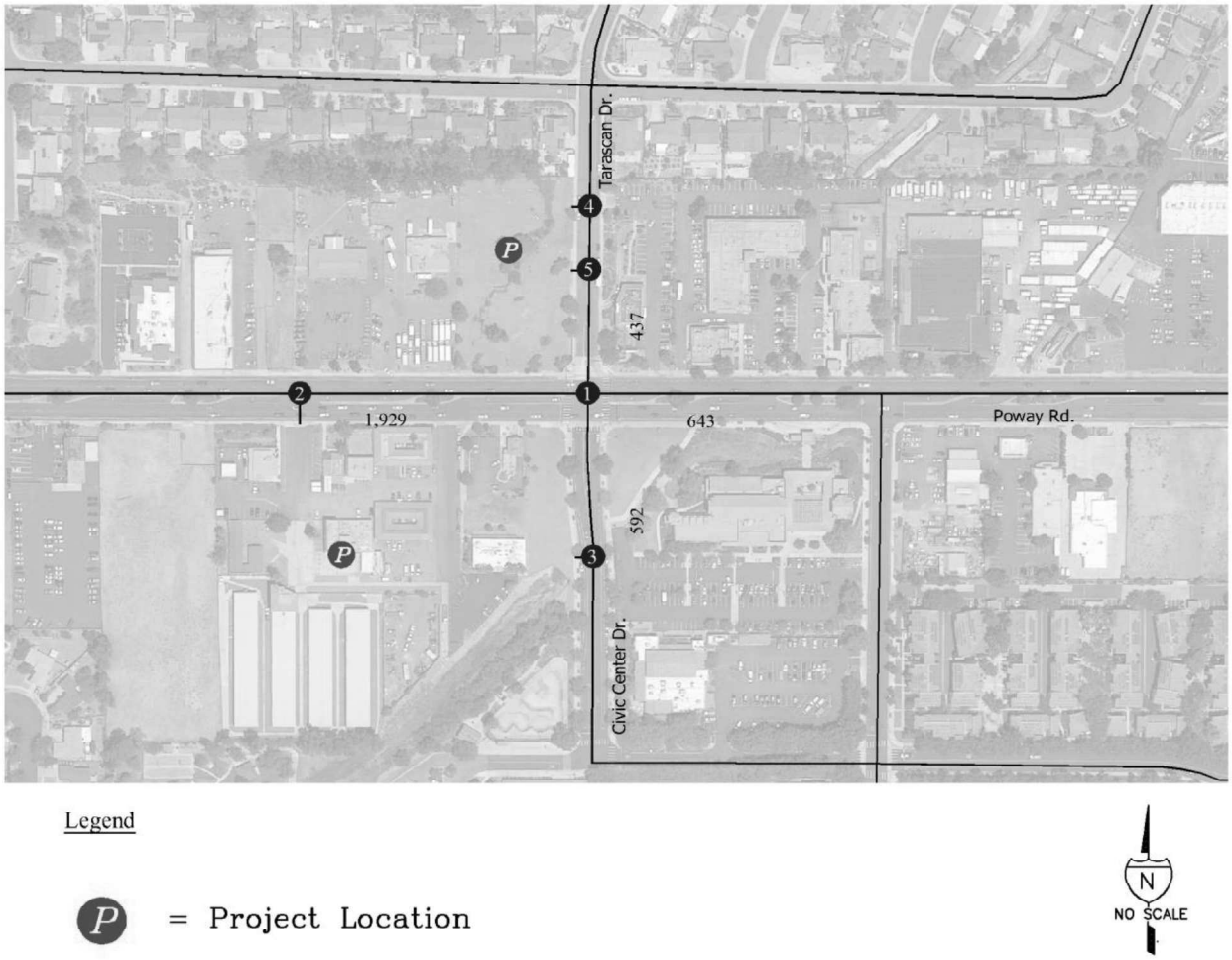
	Total	Primary Trips	Diverted Trips	Pass-By
Specialty Retail / Strip Commercial (45:40:15)	760	342	304	114
Condominium (86:11:3)	1,128	970	124	34
Sit-Down Restaurant (51:37:12)	720	367	266	86
Delicatessen (51:37:12)	225	115	83	27
TOTAL	2,833	1794	778	261

Table 3: Project Trip Generation (*including Primary and Diverted Trips*)

Land Use	Intensity	Rate*	ADT	AM						PM					
				Peak%*	Vol.	In % : Out%		In	Out	Peak%*	Vol.	In % : Out%		In	Out
PROPOSED PROJECT															
Specialty Retail / Strip Commercial	19 KSF	40 /KSF	646	3%	19	60% : 40%		12	8	9%	58	50% : 50%		29	29
Condominium	141 units	8 /unit	1,094	8%	88	20% : 80%		18	70	10%	109	70% : 30%		77	33
Sit-Down Restaurant	4.5 KSF	160 /KSF	634	8%	51	50% : 50%		25	25	8%	51	60% : 40%		30	20
Delicatessen (7am-4pm)	1.5 KSF	150 /KSF	198	9%	18	60% : 40%		11	7	3%	6	30% : 70%		2	4
Total			2,572		175			65	110		224			138	86

Source:
*Rates are used taken from SANDAG "(Not so) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region", April 2002.
Note:
ADT= Average Daily Trips
KSF = 1,000 Square Feet

Figure 4: Project Only ADT



7.0 TRIP GENERATION/DISTRIBUTION/ASSIGNMENT

7.1 Trip Generation

7.1.1 *Trip Rates and Reductions*

As described previously in *Section 2.0*, the Project proposes to build 4,620 sf of restaurant, 3,878 sf of retail, and 221 multi-family dwelling units (DU) on a 6.68-acre site (33.1 DU/acre). The Project trip generation for these land uses is calculated using the *SANDAG (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002.*

SANDAG guidance provides for certain trip rate reductions, including a 5% daily trip reduction for land uses with transit access or near transit stations accessible within ¼ mile and up to 10% daily trip reduction for mixed-use developments where residential and commercial retail are combined.

As described in *Section 3.4*, the Project site is located within ¼ mile of stops serving multiple transit lines and therefore the 5% transit access reduction was applied. Based on the relative mix of residential and commercial uses in the Project and discussion with City of Poway staff, a 5% reduction for mixed land uses was applied.

7.1.2 *Existing On-Site Land Uses*

The site is occupied by a strip commercial-style development including a mix of retail, restaurant and personal services uses which currently remain in operation.

LLG assessed the actual trip generation activity of these existing land uses by conducting three days of counts at the four existing driveways serving the site. A fifth driveway providing access to the existing site parking area is located within close proximity to the Big O Tires tire retailer and servicer, which will remain. Thus, this fifth, easternmost driveway was excluded from the counts.

Two of the four driveways provide dimension which were appropriate for setting road tubes and collecting 24-hour data. The remaining two existing driveways do not provide sufficient depth ("throating") to collect accurate counts using this equipment. These two driveways were manually counted during peak hours (7AM-9AM/ 4PM-6PM). Each driveway was counted for three days (Tuesday, February 18- Thursday, February 20, 2020). The count sheets and summaries are included in ***Appendix E***.

Existing site peak hour volumes for the highest one hour during the commuter peaks were taken directly from the resulting counts. Based on the relationship of peak hour traffic to daily traffic observed at the two driveways where 24-hour counts were completed, daily traffic for the two remaining driveways was extrapolated from the peak hour volumes. For both peak hour and daily traffic, the three-day average volumes were used.

In total, the existing site is observed to generate 1,645 ADT, with 27 total AM peak hour trips (20 inbound/7 outbound) and 101 total PM peak hour trips (35 inbound/66 outbound) on a typical weekday. These existing traffic volumes would be replaced by the Project volumes with completion of the redevelopment. It should be noted that approximately 35% of the existing retail space was vacant at the time of these traffic counts.

7.1.3 *Final Trip Generation*

Table 7–1 presents a summary of the Project's estimated trip generation based on the land use rates described above. The Project's driveway trips are calculated to be 1,998 ADT, with 152 total AM peak hour trips (48 inbound/104 outbound) and 174 total PM peak hour trips (113 inbound/ 61 outbound).

The Project's net external net trips, after removing trips associated with land uses currently operating on the site, are 353 ADT, with 125 total AM peak hour trips (28 inbound/97 outbound) and 73 total PM peak hour trips (78 inbound/-5 outbound).

TABLE 7–1
PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour					PM Peak Hour				
		Rate [a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	Volume Total	% of ADT	In:Out Split	Volume In	Volume Out	Volume Total
Apartment	221 DU	6 /DU	1,326	8%	2:8	21	85	106	9%	7:3	83	36	119
Restaurant	4.620 KSF	160 /KSF	739	8%	5:5	30	29	59	8%	6:4	35	24	59
Retail	3.878 KSF	40 /KSF	155	3%	6:4	3	2	5	9%	5:5	7	7	14
Gross Project Subtotal		—	**2,220**	—	—	**54**	**116**	**170**	—	—	**125**	**67**	**192**
Transit Reduction [b]		*5%*	*(111)*	—	—	*(3)*	*(6)*	*(9)*	—	—	*(6)*	*(3)*	*(9)*
Mixed Use Reduction [c]		*5%*	*(111)*	—	—	*(3)*	*(6)*	*(9)*	—	—	*(6)*	*(3)*	*(9)*
Subtotal Net of Reductions (Project Driveway Trips)			**1,998**			**48**	**104**	**152**			**113**	**61**	**174**
Existing Land Uses (to be removed)		—	*(1,645)*	—	—	*(20)*	*(7)*	*(27)*	—	—	*(35)*	*(66)*	*(101)*
Net New Trips to the Overall Street System		—	***353***	—	—	***28***	***97***	***125***	—	—	***78***	***(5)***	***73***

General Notes:

1. Gross trip generation does not account for mixed-use reductions, transit reductions, or pass-by/diverted-linked reductions.
2. DU = Dwelling Unit
3. KSF = 1,000 square feet

Footnotes:

a. Rate is based on SANDAG's *(Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region*, April 2002.
b. SANDAG footnote T[1]
c. SANDAG footnote T[2]

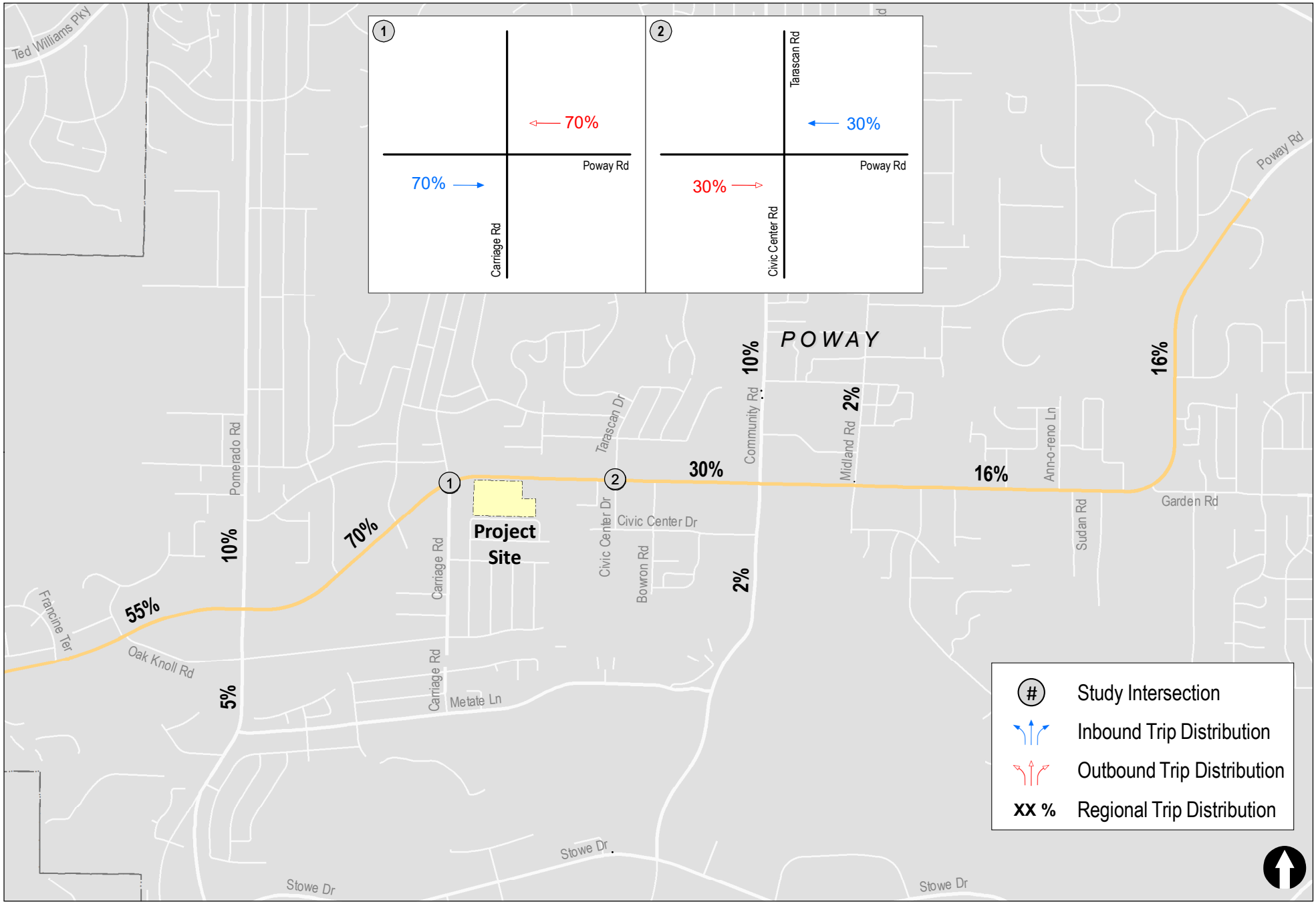
7.2 Trip Distribution/Assignment

Project traffic was distributed to the street system based on review of existing traffic data and discussions with City staff. Other factors, such as surrounding land uses and access to Interstate 15, were also considered. In general, regional distribution to/from the Project site was determined to be oriented to/from the west/east at 70%:30%, respectively. Distribution to the major side streets within the overall study area was obtained from existing traffic counts, and reflects destinations such as local schools, local retail centers, and arterial routes to neighboring job centers.

Figure 7–1 shows the regional project traffic distribution.

Figure 7–2 shows the assigned Project traffic.

Figure 7–3 shows Existing + Project traffic volumes.



LINSCOTT LAW & GREENSPAN engineers

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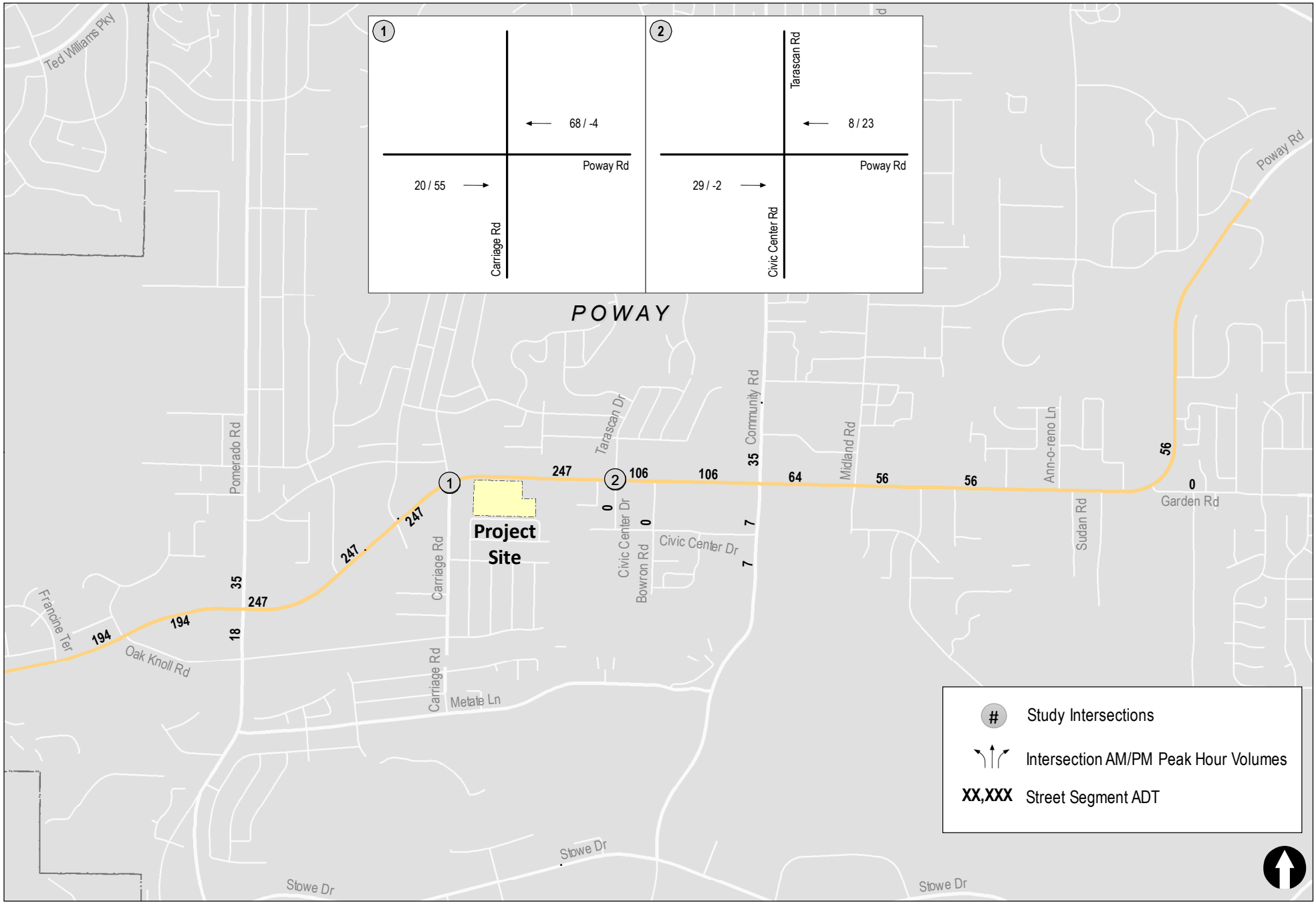
Date: 3/5/2020
Time: 11:43 AM

Figure 7-1

Project Traffic Distribution

POWAY ROAD MIXED USE



LINSCOTT LAW & GREENSPAN engineers

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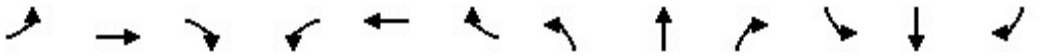
Figure 7-2

Project Traffic Volumes

POWAY ROAD MIXED USE

Appendix D: LOS Analysis Worksheets – Near-Term Base Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	930	420	40	1380	30	310	30	20	40	30	70
Future Volume (veh/h)	50	930	420	40	1380	30	310	30	20	40	30	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	53	989	181	43	1468	30	330	32	0	43	32	61
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	69	2038	886	56	2016	41	349	29		311	220	429
Arrive On Green	0.04	0.57	0.57	0.02	0.38	0.38	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1546	1781	3561	73	1079	105	1585	974	802	1561
Grp Volume(v), veh/h	53	989	181	43	732	766	362	0	0	75	0	61
Grp Sat Flow(s),veh/h/ln	1781	1777	1546	1781	1777	1857	1184	0	1585	1776	0	1561
Q Serve(g_s), s	3.8	21.4	7.4	3.1	45.9	46.0	31.6	0.0	0.0	0.0	0.0	3.8
Cycle Q Clear(g_c), s	3.8	21.4	7.4	3.1	45.9	46.0	35.7	0.0	0.0	4.1	0.0	3.8
Prop In Lane	1.00		1.00	1.00		0.04	0.91		1.00	0.57		1.00
Lane Grp Cap(c), veh/h	69	2038	886	56	1006	1051	378	0		531	0	429
V/C Ratio(X)	0.77	0.49	0.20	0.77	0.73	0.73	0.96	0.00		0.14	0.00	0.14
Avail Cap(c_a), veh/h	370	2038	886	301	1006	1051	378	0		531	0	429
HCM Platoon Ratio	1.00	1.00	1.00	0.67	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.70	0.70	0.70	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	61.9	16.4	13.4	63.2	31.8	31.8	50.8	0.0	0.0	35.7	0.0	35.6
Incr Delay (d2), s/veh	6.7	0.8	0.5	5.8	3.3	3.1	35.0	0.0	0.0	0.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	8.7	2.6	1.5	21.5	22.5	15.8	0.0	0.0	1.8	0.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.6	17.2	13.9	69.0	35.0	34.9	85.8	0.0	0.0	35.7	0.0	35.6
LnGrp LOS	E	B	B	E	D	C	F	A		D	A	D
Approach Vol, veh/h		1223			1541			362			136	
Approach Delay, s/veh		19.0			35.9			85.8			35.7	
Approach LOS		B			D			F			D	

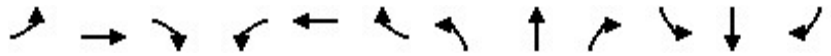
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.0	80.0		41.0	8.1	80.9		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	27.0	31.6		* 36	22.0	* 37		* 16				
Max Q Clear Time (g_c+I1), s	5.8	48.0		37.7	5.1	23.4		6.1				
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	7.1		0.2				

Intersection Summary		
HCM 6th Ctrl Delay		35.1
HCM 6th LOS		D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	730	30	150	1080	160	110	300	80	190	330	260
Future Volume (veh/h)	180	730	30	150	1080	160	110	300	80	190	330	260
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	198	802	28	165	1187	143	121	330	77	209	363	149
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	250	1775	62	191	1919	852	178	451	104	265	666	293
Arrive On Green	0.02	0.17	0.17	0.11	0.54	0.54	0.05	0.16	0.16	0.08	0.19	0.19
Sat Flow, veh/h	3456	3502	122	1781	3554	1578	3456	2862	658	3456	3554	1562
Grp Volume(v), veh/h	198	407	423	165	1187	143	121	203	204	209	363	149
Grp Sat Flow(s),veh/h/ln	1728	1777	1848	1781	1777	1578	1728	1777	1743	1728	1777	1562
Q Serve(g_s), s	7.4	26.8	26.8	11.8	30.0	6.0	4.5	14.1	14.5	7.7	12.0	11.1
Cycle Q Clear(g_c), s	7.4	26.8	26.8	11.8	30.0	6.0	4.5	14.1	14.5	7.7	12.0	11.1
Prop In Lane	1.00		0.07	1.00		1.00	1.00		0.38	1.00		1.00
Lane Grp Cap(c), veh/h	250	901	937	191	1919	852	178	280	275	265	666	293
V/C Ratio(X)	0.79	0.45	0.45	0.86	0.62	0.17	0.68	0.72	0.74	0.79	0.55	0.51
Avail Cap(c_a), veh/h	261	901	937	288	1919	852	516	513	503	526	1052	463
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	1.00	1.00	1.00	0.95	0.95	0.95	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.5	37.9	37.9	57.1	20.6	15.1	60.6	52.1	52.2	59.0	47.8	47.4
Incr Delay (d2), s/veh	10.1	1.2	1.2	11.0	1.5	0.4	5.1	4.1	4.5	2.0	0.8	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	13.1	13.6	5.9	12.4	2.2	2.1	6.5	6.6	3.4	5.3	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.6	39.1	39.0	68.1	22.1	15.5	65.7	56.1	56.7	61.0	48.6	49.1
LnGrp LOS	E	D	D	E	C	B	E	E	E	E	D	D
Approach Vol, veh/h		1028			1495			528			721	
Approach Delay, s/veh		45.5			26.6			58.6			52.3	
Approach LOS		D			C			E			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.2	26.0	13.6	76.2	10.3	29.9	17.9	71.9
Change Period (Y+Rc), s	* 4.2	5.5	* 4.2	6.0	3.6	5.5	4.0	6.0
Max Green Setting (Gmax), s	* 26	37.5	* 9.8	38.0	19.4	38.5	21.0	32.0
Max Q Clear Time (g_c+I1), s	9.7	16.5	9.4	32.0	6.5	14.0	13.8	28.8
Green Ext Time (p_c), s	0.2	2.5	0.0	4.3	0.3	3.2	0.1	1.7

Intersection Summary	
HCM 6th Ctrl Delay	41.1
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	40	370	50	150	90	180	370	30	50	360	60
Future Volume (veh/h)	70	40	370	50	150	90	180	370	30	50	360	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	74	42	178	53	158	84	189	389	30	53	379	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	134	366	307	183	254	135	241	1021	78	73	739	323
Arrive On Green	0.08	0.20	0.20	0.10	0.22	0.22	0.14	0.31	0.31	0.04	0.21	0.21
Sat Flow, veh/h	1781	1870	1570	1781	1141	607	1781	3337	256	1781	3554	1555
Grp Volume(v), veh/h	74	42	178	53	0	242	189	206	213	53	379	58
Grp Sat Flow(s),veh/h/ln	1781	1870	1570	1781	0	1748	1781	1777	1817	1781	1777	1555
Q Serve(g_s), s	2.1	1.0	5.4	1.4	0.0	6.6	5.4	4.8	4.8	1.5	5.0	1.6
Cycle Q Clear(g_c), s	2.1	1.0	5.4	1.4	0.0	6.6	5.4	4.8	4.8	1.5	5.0	1.6
Prop In Lane	1.00		1.00	1.00		0.35	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	134	366	307	183	0	389	241	544	556	73	739	323
V/C Ratio(X)	0.55	0.11	0.58	0.29	0.00	0.62	0.79	0.38	0.38	0.73	0.51	0.18
Avail Cap(c_a), veh/h	1019	892	749	1019	0	833	679	1694	1732	662	3388	1482
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.4	17.4	19.1	21.8	0.0	18.4	21.9	14.3	14.3	24.9	18.4	17.1
Incr Delay (d2), s/veh	1.3	0.1	0.6	0.3	0.0	0.6	2.1	0.5	0.5	5.0	0.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.4	1.9	0.6	0.0	2.5	2.0	1.6	1.7	0.7	1.8	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.7	17.4	19.8	22.1	0.0	19.0	24.1	14.8	14.8	29.9	19.1	17.4
LnGrp LOS	C	B	B	C	A	B	C	B	B	C	B	B
Approach Vol, veh/h		294			295			608			490	
Approach Delay, s/veh		20.7			19.5			17.7			20.0	
Approach LOS		C			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.2	21.3	8.0	17.0	11.3	16.2	9.4	15.6
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	3.5	6.8	4.1	8.6	7.4	7.0	3.4	7.4
Green Ext Time (p_c), s	0.0	2.9	0.1	0.9	0.2	3.2	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	19.2
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↱	
Traffic Vol, veh/h	0	120	290	0	0	0
Future Vol, veh/h	0	120	290	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	130	315	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	445	315
Stage 1	-	-	-	-	315	-
Stage 2	-	-	-	-	130	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	571	725
Stage 1	0	-	-	0	740	-
Stage 2	0	-	-	0	896	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	571	725
Mov Cap-2 Maneuver	-	-	-	-	571	-
Stage 1	-	-	-	-	740	-
Stage 2	-	-	-	-	896	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

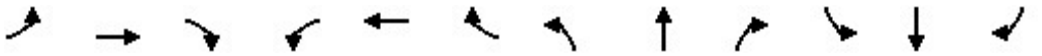
Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	-	-	0
HCM Lane LOS	-	-	A
HCM 95th %tile Q(veh)	-	-	-

Intersection	
Intersection Delay, s/veh	7.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Future Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	11	0	0	38	16	4	1	0	4	2	48
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.8	7.2	7.5	7
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	80%	88%	0%	8%
Vol Thru, %	20%	12%	71%	4%
Vol Right, %	0%	0%	29%	88%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	5	82	48	49
LT Vol	4	72	0	4
Through Vol	1	10	34	2
RT Vol	0	0	14	43
Lane Flow Rate	6	92	54	55
Geometry Grp	1	1	1	1
Degree of Util (X)	0.007	0.109	0.059	0.056
Departure Headway (Hd)	4.39	4.257	3.935	3.679
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	805	842	906	960
Service Time	2.471	2.284	1.976	1.754
HCM Lane V/C Ratio	0.007	0.109	0.06	0.057
HCM Control Delay	7.5	7.8	7.2	7
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0	0.4	0.2	0.2



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	1270	390	50	1240	30	330	20	20	50	20	50
Future Volume (veh/h)	70	1270	390	50	1240	30	330	20	20	50	20	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	77	1396	209	55	1363	31	363	22	0	55	22	46
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	2007	876	71	1952	44	363	19		391	149	429
Arrive On Green	0.05	0.56	0.56	0.04	0.55	0.55	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1552	1781	3552	81	1128	68	1585	1252	543	1563
Grp Volume(v), veh/h	77	1396	209	55	681	713	385	0	0	77	0	46
Grp Sat Flow(s),veh/h/ln	1781	1777	1552	1781	1777	1856	1196	0	1585	1794	0	1563
Q Serve(g_s), s	5.6	36.6	8.8	4.0	36.4	36.5	31.5	0.0	0.0	0.0	0.0	2.9
Cycle Q Clear(g_c), s	5.6	36.6	8.8	4.0	36.4	36.5	35.7	0.0	0.0	4.2	0.0	2.9
Prop In Lane	1.00		1.00	1.00		0.04	0.94		1.00	0.71		1.00
Lane Grp Cap(c), veh/h	98	2007	876	71	977	1020	382	0		540	0	429
V/C Ratio(X)	0.79	0.70	0.24	0.77	0.70	0.70	1.01	0.00		0.14	0.00	0.11
Avail Cap(c_a), veh/h	343	2007	876	370	977	1020	382	0		540	0	429
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.60	0.60	0.60	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	60.7	20.3	14.2	61.8	21.4	21.4	51.5	0.0	0.0	35.7	0.0	35.2
Incr Delay (d2), s/veh	5.1	2.0	0.6	4.0	2.5	2.4	47.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	15.0	3.2	1.9	15.2	15.9	17.9	0.0	0.0	1.9	0.0	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.8	22.3	14.9	65.8	23.9	23.8	99.3	0.0	0.0	35.8	0.0	35.3
LnGrp LOS	E	C	B	E	C	C	F	A		D	A	D
Approach Vol, veh/h		1682			1449			385			123	
Approach Delay, s/veh		23.4			25.4			99.3			35.6	
Approach LOS		C			C			F			D	

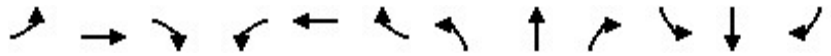
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.1	77.9		41.0	9.2	79.8		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	25.0	35.6		* 36	27.0	* 34		* 14				
Max Q Clear Time (g_c+I1), s	7.6	38.5		37.7	6.0	38.6		6.2				
Green Ext Time (p_c), s	0.1	0.0		0.0	0.0	0.0		0.2				

Intersection Summary	
HCM 6th Ctrl Delay	32.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	230	1150	40	210	1030	280	150	430	190	350	360	150
Future Volume (veh/h)	230	1150	40	210	1030	280	150	430	190	350	360	150
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	240	1198	37	219	1073	188	156	448	120	365	375	26
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	305	1239	38	250	1436	640	218	576	153	430	975	425
Arrive On Green	0.09	0.35	0.35	0.14	0.40	0.40	0.06	0.21	0.21	0.12	0.27	0.27
Sat Flow, veh/h	3456	3516	109	1781	3554	1584	3456	2774	737	3456	3554	1551
Grp Volume(v), veh/h	240	605	630	219	1073	188	156	286	282	365	375	26
Grp Sat Flow(s),veh/h/ln	1728	1777	1848	1781	1777	1584	1728	1777	1734	1728	1777	1551
Q Serve(g_s), s	7.7	38.0	38.0	13.7	29.3	9.1	5.0	17.2	17.5	11.7	9.7	1.4
Cycle Q Clear(g_c), s	7.7	38.0	38.0	13.7	29.3	9.1	5.0	17.2	17.5	11.7	9.7	1.4
Prop In Lane	1.00		0.06	1.00		1.00	1.00		0.43	1.00		1.00
Lane Grp Cap(c), veh/h	305	626	651	250	1436	640	218	369	360	430	975	425
V/C Ratio(X)	0.79	0.97	0.97	0.88	0.75	0.29	0.71	0.77	0.78	0.85	0.38	0.06
Avail Cap(c_a), veh/h	609	626	651	471	1436	640	609	783	764	609	1565	683
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.7	36.1	36.1	47.8	28.9	22.9	52.2	42.5	42.6	48.6	33.4	30.4
Incr Delay (d2), s/veh	1.7	27.8	27.3	3.8	2.3	0.3	1.6	4.2	4.5	5.7	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	20.7	21.5	6.3	12.5	3.3	2.2	7.7	7.7	5.2	4.1	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.4	63.9	63.4	51.7	31.1	23.2	53.8	46.6	47.1	54.3	33.7	30.5
LnGrp LOS	D	E	E	D	C	C	D	D	D	D	C	C
Approach Vol, veh/h		1475			1480			724			766	
Approach Delay, s/veh		61.8			33.2			48.4			43.4	
Approach LOS		E			C			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.2	51.9	18.3	29.1	20.1	46.0	10.8	36.6
Change Period (Y+Rc), s	* 4.2	6.0	* 4.2	5.5	* 4.2	6.0	3.6	5.5
Max Green Setting (Gmax), s	* 20	40.0	* 20	50.0	* 30	40.0	20.0	50.0
Max Q Clear Time (g_c+I1), s	9.7	31.3	13.7	19.5	15.7	40.0	7.0	11.7
Green Ext Time (p_c), s	0.3	5.5	0.4	4.1	0.3	0.0	0.2	3.0

Intersection Summary	
HCM 6th Ctrl Delay	46.9
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	110	210	50	60	50	230	690	60	70	440	70
Future Volume (veh/h)	40	110	210	50	60	50	230	690	60	70	440	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	41	112	10	51	61	41	235	704	59	71	449	66
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	90	321	268	175	228	153	291	1135	95	91	804	347
Arrive On Green	0.05	0.17	0.17	0.10	0.22	0.22	0.16	0.34	0.34	0.05	0.23	0.23
Sat Flow, veh/h	1781	1870	1564	1781	1041	699	1781	3318	278	1781	3554	1534
Grp Volume(v), veh/h	41	112	10	51	0	102	235	377	386	71	449	66
Grp Sat Flow(s),veh/h/ln	1781	1870	1564	1781	0	1740	1781	1777	1819	1781	1777	1534
Q Serve(g_s), s	1.2	2.9	0.3	1.5	0.0	2.7	7.0	9.8	9.8	2.2	6.2	1.9
Cycle Q Clear(g_c), s	1.2	2.9	0.3	1.5	0.0	2.7	7.0	9.8	9.8	2.2	6.2	1.9
Prop In Lane	1.00		1.00	1.00		0.40	1.00		0.15	1.00		1.00
Lane Grp Cap(c), veh/h	90	321	268	175	0	381	291	608	622	91	804	347
V/C Ratio(X)	0.45	0.35	0.04	0.29	0.00	0.27	0.81	0.62	0.62	0.78	0.56	0.19
Avail Cap(c_a), veh/h	969	848	709	969	0	789	646	1611	1650	630	3222	1391
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.4	20.1	19.0	23.1	0.0	17.9	22.2	15.1	15.2	25.9	18.9	17.3
Incr Delay (d2), s/veh	1.3	0.2	0.0	0.3	0.0	0.1	2.1	1.3	1.2	5.5	0.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	1.2	0.1	0.6	0.0	1.0	2.7	3.3	3.4	0.9	2.2	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.7	20.4	19.1	23.4	0.0	18.0	24.3	16.4	16.4	31.4	19.6	17.6
LnGrp LOS	C	C	B	C	A	B	C	B	B	C	B	B
Approach Vol, veh/h		163			153			998			586	
Approach Delay, s/veh		21.9			19.8			18.3			20.8	
Approach LOS		C			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.8	24.2	6.8	17.4	13.2	17.8	9.4	14.8
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	4.2	11.8	3.2	4.7	9.0	8.2	3.5	4.9
Green Ext Time (p_c), s	0.1	6.0	0.0	0.3	0.2	3.9	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	19.5
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↱	
Traffic Vol, veh/h	0	240	160	0	0	0
Future Vol, veh/h	0	240	160	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	261	174	0	0	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	435	174
Stage 1	-	-	-	-	174	-
Stage 2	-	-	-	-	261	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	578	869
Stage 1	0	-	-	0	856	-
Stage 2	0	-	-	0	783	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	578	869
Mov Cap-2 Maneuver	-	-	-	-	578	-
Stage 1	-	-	-	-	856	-
Stage 2	-	-	-	-	783	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	-	-	0
HCM Lane LOS	-	-	A
HCM 95th %tile Q(veh)	-	-	-

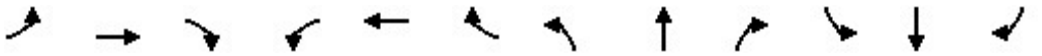
Intersection	
Intersection Delay, s/veh	8.1
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	110	50	10	10	20	10	10	10	0	10	10	60
Future Vol, veh/h	110	50	10	10	20	10	10	10	0	10	10	60
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	125	57	11	11	23	11	11	11	0	11	11	68
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.6	7.5	7.8	7.6
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	50%	65%	25%	12%
Vol Thru, %	50%	29%	50%	12%
Vol Right, %	0%	6%	25%	75%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	20	170	40	80
LT Vol	10	110	10	10
Through Vol	10	50	20	10
RT Vol	0	10	10	60
Lane Flow Rate	23	193	45	91
Geometry Grp	1	1	1	1
Degree of Util (X)	0.03	0.229	0.054	0.103
Departure Headway (Hd)	4.675	4.26	4.287	4.079
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	769	833	839	884
Service Time	2.681	2.335	2.297	2.082
HCM Lane V/C Ratio	0.03	0.232	0.054	0.103
HCM Control Delay	7.8	8.6	7.5	7.6
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.1	0.9	0.2	0.3

Appendix E: LOS Analysis Worksheets – Near-Term Base Plus Project Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	931	428	40	1383	30	328	30	20	40	30	70
Future Volume (veh/h)	50	931	428	40	1383	30	328	30	20	40	30	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	53	990	189	43	1471	30	349	32	0	43	32	61
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	69	2038	886	56	2016	41	351	27		312	221	429
Arrive On Green	0.04	0.57	0.57	0.02	0.38	0.38	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1546	1781	3562	73	1083	99	1585	976	805	1561
Grp Volume(v), veh/h	53	990	189	43	733	768	381	0	0	75	0	61
Grp Sat Flow(s),veh/h/ln	1781	1777	1546	1781	1777	1857	1183	0	1585	1781	0	1561
Q Serve(g_s), s	3.8	21.4	7.7	3.1	46.0	46.1	31.6	0.0	0.0	0.0	0.0	3.8
Cycle Q Clear(g_c), s	3.8	21.4	7.7	3.1	46.0	46.1	35.7	0.0	0.0	4.1	0.0	3.8
Prop In Lane	1.00		1.00	1.00		0.04	0.92		1.00	0.57		1.00
Lane Grp Cap(c), veh/h	69	2038	886	56	1006	1051	378	0		533	0	429
V/C Ratio(X)	0.77	0.49	0.21	0.77	0.73	0.73	1.01	0.00		0.14	0.00	0.14
Avail Cap(c_a), veh/h	370	2038	886	301	1006	1051	378	0		533	0	429
HCM Platoon Ratio	1.00	1.00	1.00	0.67	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.70	0.70	0.70	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	61.9	16.4	13.5	63.2	31.8	31.8	51.4	0.0	0.0	35.7	0.0	35.6
Incr Delay (d2), s/veh	6.7	0.8	0.5	5.8	3.3	3.2	48.4	0.0	0.0	0.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	8.7	2.8	1.5	21.6	22.6	17.7	0.0	0.0	1.8	0.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.6	17.2	14.0	69.0	35.1	35.0	99.8	0.0	0.0	35.7	0.0	35.6
LnGrp LOS	E	B	B	E	D	C	F	A		D	A	D
Approach Vol, veh/h		1232			1544			381			136	
Approach Delay, s/veh		19.0			36.0			99.8			35.7	
Approach LOS		B			D			F			D	

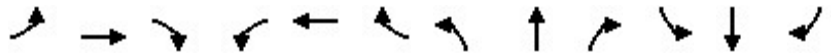
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.0	80.0		41.0	8.1	80.9		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	27.0	31.6		* 36	22.0	* 37		* 16				
Max Q Clear Time (g_c+I1), s	5.8	48.1		37.7	5.1	23.4		6.1				
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	7.1		0.2				

Intersection Summary		
HCM 6th Ctrl Delay		37.0
HCM 6th LOS		D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	730	31	150	1080	160	113	304	80	190	332	260
Future Volume (veh/h)	180	730	31	150	1080	160	113	304	80	190	332	260
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	198	802	29	165	1187	143	124	334	77	209	365	149
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	250	1769	64	191	1916	851	182	455	104	265	666	293
Arrive On Green	0.02	0.17	0.17	0.11	0.54	0.54	0.05	0.16	0.16	0.08	0.19	0.19
Sat Flow, veh/h	3456	3497	126	1781	3554	1578	3456	2869	652	3456	3554	1562
Grp Volume(v), veh/h	198	407	424	165	1187	143	124	205	206	209	365	149
Grp Sat Flow(s),veh/h/ln	1728	1777	1847	1781	1777	1578	1728	1777	1744	1728	1777	1562
Q Serve(g_s), s	7.4	26.9	26.9	11.8	30.1	6.0	4.6	14.3	14.6	7.7	12.1	11.1
Cycle Q Clear(g_c), s	7.4	26.9	26.9	11.8	30.1	6.0	4.6	14.3	14.6	7.7	12.1	11.1
Prop In Lane	1.00		0.07	1.00		1.00	1.00		0.37	1.00		1.00
Lane Grp Cap(c), veh/h	250	899	934	191	1916	851	182	282	277	265	666	293
V/C Ratio(X)	0.79	0.45	0.45	0.86	0.62	0.17	0.68	0.73	0.74	0.79	0.55	0.51
Avail Cap(c_a), veh/h	261	899	934	288	1916	851	516	513	503	526	1052	463
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	1.00	1.00	1.00	0.94	0.94	0.94	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.5	37.9	38.0	57.1	20.7	15.2	60.5	52.0	52.2	59.0	47.8	47.4
Incr Delay (d2), s/veh	10.1	1.2	1.2	11.0	1.5	0.4	5.1	4.0	4.5	2.0	0.8	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	13.1	13.6	5.9	12.5	2.2	2.1	6.5	6.6	3.4	5.3	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.6	39.2	39.1	68.1	22.3	15.6	65.6	56.0	56.6	61.0	48.7	49.1
LnGrp LOS	E	D	D	E	C	B	E	E	E	E	D	D
Approach Vol, veh/h		1029			1495			535			723	
Approach Delay, s/veh		45.6			26.7			58.5			52.3	
Approach LOS		D			C			E			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.2	26.1	13.6	76.1	10.4	29.9	17.9	71.8
Change Period (Y+Rc), s	* 4.2	5.5	* 4.2	6.0	3.6	5.5	4.0	6.0
Max Green Setting (Gmax), s	* 26	37.5	* 9.8	38.0	19.4	38.5	21.0	32.0
Max Q Clear Time (g_c+I1), s	9.7	16.6	9.4	32.1	6.6	14.1	13.8	28.9
Green Ext Time (p_c), s	0.2	2.6	0.0	4.2	0.3	3.2	0.1	1.7

Intersection Summary	
HCM 6th Ctrl Delay	41.2
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	48	370	55	168	97	180	370	32	53	360	60
Future Volume (veh/h)	70	48	370	55	168	97	180	370	32	53	360	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	74	51	178	58	177	91	189	389	32	56	379	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	134	365	306	193	264	136	240	1007	82	75	736	322
Arrive On Green	0.08	0.19	0.19	0.11	0.23	0.23	0.14	0.30	0.30	0.04	0.21	0.21
Sat Flow, veh/h	1781	1870	1570	1781	1156	594	1781	3319	272	1781	3554	1554
Grp Volume(v), veh/h	74	51	178	58	0	268	189	207	214	56	379	58
Grp Sat Flow(s),veh/h/ln	1781	1870	1570	1781	0	1750	1781	1777	1813	1781	1777	1554
Q Serve(g_s), s	2.1	1.2	5.5	1.6	0.0	7.4	5.4	4.9	4.9	1.6	5.0	1.6
Cycle Q Clear(g_c), s	2.1	1.2	5.5	1.6	0.0	7.4	5.4	4.9	4.9	1.6	5.0	1.6
Prop In Lane	1.00		1.00	1.00		0.34	1.00		0.15	1.00		1.00
Lane Grp Cap(c), veh/h	134	365	306	193	0	399	240	539	550	75	736	322
V/C Ratio(X)	0.55	0.14	0.58	0.30	0.00	0.67	0.79	0.38	0.39	0.74	0.52	0.18
Avail Cap(c_a), veh/h	1008	882	741	1008	0	826	672	1676	1711	655	3352	1466
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.7	17.7	19.4	21.8	0.0	18.6	22.2	14.6	14.6	25.1	18.7	17.3
Incr Delay (d2), s/veh	1.3	0.1	0.7	0.3	0.0	0.7	2.2	0.5	0.5	5.3	0.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.5	1.9	0.6	0.0	2.8	2.1	1.6	1.7	0.7	1.8	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.0	17.7	20.0	22.1	0.0	19.4	24.3	15.1	15.1	30.4	19.3	17.6
LnGrp LOS	C	B	C	C	A	B	C	B	B	C	B	B
Approach Vol, veh/h		303			326			610			493	
Approach Delay, s/veh		20.8			19.9			18.0			20.4	
Approach LOS		C			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.2	21.4	8.0	17.4	11.4	16.3	9.7	15.6
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	3.6	6.9	4.1	9.4	7.4	7.0	3.6	7.5
Green Ext Time (p_c), s	0.0	2.9	0.1	1.0	0.2	3.2	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	19.5
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↱	
Traffic Vol, veh/h	13	120	290	2	5	31
Future Vol, veh/h	13	120	290	2	5	31
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	14	130	315	2	5	34

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	317	0	-	0	474	316
Stage 1	-	-	-	-	316	-
Stage 2	-	-	-	-	158	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1243	-	-	-	549	724
Stage 1	-	-	-	-	739	-
Stage 2	-	-	-	-	871	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1243	-	-	-	542	724
Mov Cap-2 Maneuver	-	-	-	-	542	-
Stage 1	-	-	-	-	730	-
Stage 2	-	-	-	-	871	-

Approach	EB	WB	SB
HCM Control Delay, s	0.8	0	10.5
HCM LOS			B

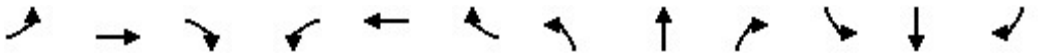
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1243	-	-	-	692
HCM Lane V/C Ratio	0.011	-	-	-	0.057
HCM Control Delay (s)	7.9	-	-	-	10.5
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Intersection	
Intersection Delay, s/veh	7.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Future Vol, veh/h	72	10	0	0	34	14	4	1	0	4	2	43
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	11	0	0	38	16	4	1	0	4	2	48
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.8	7.2	7.5	7
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	80%	88%	0%	8%
Vol Thru, %	20%	12%	71%	4%
Vol Right, %	0%	0%	29%	88%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	5	82	48	49
LT Vol	4	72	0	4
Through Vol	1	10	34	2
RT Vol	0	0	14	43
Lane Flow Rate	6	92	54	55
Geometry Grp	1	1	1	1
Degree of Util (X)	0.007	0.109	0.059	0.056
Departure Headway (Hd)	4.39	4.257	3.935	3.679
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	805	842	906	960
Service Time	2.471	2.284	1.976	1.754
HCM Lane V/C Ratio	0.007	0.109	0.06	0.057
HCM Control Delay	7.5	7.8	7.2	7
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0	0.4	0.2	0.2



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	1274	413	50	1242	30	340	20	20	50	20	50
Future Volume (veh/h)	70	1274	413	50	1242	30	340	20	20	50	20	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	77	1400	234	55	1365	31	374	22	0	55	22	46
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	2007	876	71	1952	44	364	18		392	149	429
Arrive On Green	0.05	0.56	0.56	0.04	0.55	0.55	0.27	0.27	0.00	0.27	0.27	0.27
Sat Flow, veh/h	1781	3554	1552	1781	3552	81	1129	66	1585	1253	543	1563
Grp Volume(v), veh/h	77	1400	234	55	682	714	396	0	0	77	0	46
Grp Sat Flow(s),veh/h/ln	1781	1777	1552	1781	1777	1856	1196	0	1585	1797	0	1563
Q Serve(g_s), s	5.6	36.8	10.0	4.0	36.5	36.6	31.5	0.0	0.0	0.0	0.0	2.9
Cycle Q Clear(g_c), s	5.6	36.8	10.0	4.0	36.5	36.6	35.7	0.0	0.0	4.2	0.0	2.9
Prop In Lane	1.00		1.00	1.00		0.04	0.94		1.00	0.71		1.00
Lane Grp Cap(c), veh/h	98	2007	876	71	977	1020	382	0		541	0	429
V/C Ratio(X)	0.79	0.70	0.27	0.77	0.70	0.70	1.04	0.00		0.14	0.00	0.11
Avail Cap(c_a), veh/h	343	2007	876	370	977	1020	382	0		541	0	429
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.60	0.60	0.60	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	60.7	20.3	14.5	61.8	21.4	21.4	51.5	0.0	0.0	35.7	0.0	35.2
Incr Delay (d2), s/veh	5.1	2.0	0.7	4.0	2.5	2.4	55.7	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	15.1	3.7	1.9	15.3	16.0	18.7	0.0	0.0	1.9	0.0	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.8	22.4	15.3	65.8	23.9	23.8	107.2	0.0	0.0	35.8	0.0	35.3
LnGrp LOS	E	C	B	E	C	C	F	A		D	A	D
Approach Vol, veh/h		1711			1451			396			123	
Approach Delay, s/veh		23.4			25.5			107.2			35.6	
Approach LOS		C			C			F			D	

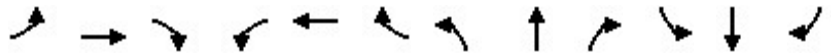
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.1	77.9		41.0	9.2	79.8		41.0				
Change Period (Y+Rc), s	4.0	6.4		* 5.3	4.0	* 6.4		* 5.3				
Max Green Setting (Gmax), s	25.0	35.6		* 36	27.0	* 34		* 14				
Max Q Clear Time (g_c+I1), s	7.6	38.6		37.7	6.0	38.8		6.2				
Green Ext Time (p_c), s	0.1	0.0		0.0	0.0	0.0		0.2				

Intersection Summary	
HCM 6th Ctrl Delay	33.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



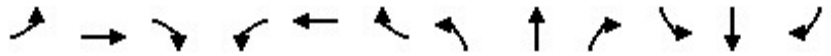
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	230	1150	44	210	1030	280	152	432	190	350	364	150
Future Volume (veh/h)	230	1150	44	210	1030	280	152	432	190	350	364	150
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	240	1198	41	219	1073	188	158	450	120	365	379	26
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	305	1233	42	250	1435	640	220	578	153	430	975	425
Arrive On Green	0.09	0.35	0.35	0.14	0.40	0.40	0.06	0.21	0.21	0.12	0.27	0.27
Sat Flow, veh/h	3456	3503	120	1781	3554	1584	3456	2777	735	3456	3554	1551
Grp Volume(v), veh/h	240	607	632	219	1073	188	158	287	283	365	379	26
Grp Sat Flow(s),veh/h/ln	1728	1777	1846	1781	1777	1584	1728	1777	1734	1728	1777	1551
Q Serve(g_s), s	7.7	38.3	38.3	13.7	29.3	9.1	5.1	17.3	17.6	11.8	9.8	1.4
Cycle Q Clear(g_c), s	7.7	38.3	38.3	13.7	29.3	9.1	5.1	17.3	17.6	11.8	9.8	1.4
Prop In Lane	1.00		0.06	1.00		1.00	1.00		0.42	1.00		1.00
Lane Grp Cap(c), veh/h	305	625	650	250	1435	640	220	370	361	430	975	425
V/C Ratio(X)	0.79	0.97	0.97	0.88	0.75	0.29	0.72	0.77	0.78	0.85	0.39	0.06
Avail Cap(c_a), veh/h	608	625	650	470	1435	640	608	782	763	608	1564	682
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.7	36.3	36.3	47.9	28.9	22.9	52.2	42.5	42.6	48.7	33.5	30.4
Incr Delay (d2), s/veh	1.7	28.8	28.4	3.9	2.3	0.3	1.6	4.2	4.5	5.7	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	21.0	21.8	6.3	12.5	3.3	2.2	7.7	7.7	5.2	4.1	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.5	65.1	64.7	51.7	31.2	23.2	53.8	46.7	47.1	54.4	33.8	30.5
LnGrp LOS	D	E	E	D	C	C	D	D	D	D	C	C
Approach Vol, veh/h		1479			1480			728			770	
Approach Delay, s/veh		62.9			33.2			48.4			43.5	
Approach LOS		E			C			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.2	51.9	18.3	29.2	20.1	46.0	10.8	36.7
Change Period (Y+Rc), s	* 4.2	6.0	* 4.2	5.5	* 4.2	6.0	3.6	5.5
Max Green Setting (Gmax), s	* 20	40.0	* 20	50.0	* 30	40.0	20.0	50.0
Max Q Clear Time (g_c+I1), s	9.7	31.3	13.8	19.6	15.7	40.3	7.1	11.8
Green Ext Time (p_c), s	0.3	5.5	0.4	4.1	0.3	0.0	0.2	3.0

Intersection Summary	
HCM 6th Ctrl Delay	47.3
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	132	210	53	70	54	230	690	67	78	440	70
Future Volume (veh/h)	40	132	210	53	70	54	230	690	67	78	440	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	41	135	10	54	71	45	235	704	66	80	449	66
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	90	331	277	181	243	154	290	1093	102	103	797	344
Arrive On Green	0.05	0.18	0.18	0.10	0.23	0.23	0.16	0.33	0.33	0.06	0.22	0.22
Sat Flow, veh/h	1781	1870	1564	1781	1068	677	1781	3283	308	1781	3554	1533
Grp Volume(v), veh/h	41	135	10	54	0	116	235	381	389	80	449	66
Grp Sat Flow(s),veh/h/ln	1781	1870	1564	1781	0	1744	1781	1777	1814	1781	1777	1533
Q Serve(g_s), s	1.3	3.6	0.3	1.6	0.0	3.1	7.2	10.2	10.2	2.5	6.3	2.0
Cycle Q Clear(g_c), s	1.3	3.6	0.3	1.6	0.0	3.1	7.2	10.2	10.2	2.5	6.3	2.0
Prop In Lane	1.00		1.00	1.00		0.39	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	90	331	277	181	0	398	290	591	604	103	797	344
V/C Ratio(X)	0.46	0.41	0.04	0.30	0.00	0.29	0.81	0.64	0.64	0.78	0.56	0.19
Avail Cap(c_a), veh/h	951	832	696	951	0	776	634	1581	1614	618	3162	1365
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.9	20.5	19.1	23.4	0.0	17.9	22.7	15.9	15.9	26.1	19.4	17.7
Incr Delay (d2), s/veh	1.3	0.3	0.0	0.3	0.0	0.1	2.1	1.4	1.4	4.7	0.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	1.5	0.1	0.6	0.0	1.2	2.7	3.6	3.6	1.1	2.3	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.3	20.8	19.2	23.7	0.0	18.1	24.8	17.3	17.3	30.8	20.1	18.0
LnGrp LOS	C	C	B	C	A	B	C	B	B	C	C	B
Approach Vol, veh/h		186			170			1005			595	
Approach Delay, s/veh		22.1			19.9			19.1			21.3	
Approach LOS		C			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.2	24.0	6.8	18.1	13.3	17.9	9.7	15.2
Change Period (Y+Rc), s	4.0	* 5.3	4.0	* 5.3	* 4.2	* 5.3	4.0	* 5.3
Max Green Setting (Gmax), s	19.5	* 50	30.0	* 25	* 20	* 50	30.0	* 25
Max Q Clear Time (g_c+I1), s	4.5	12.2	3.3	5.1	9.2	8.3	3.6	5.6
Green Ext Time (p_c), s	0.1	6.0	0.0	0.4	0.2	3.9	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	20.1
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		Y	
Traffic Vol, veh/h	37	240	160	7	3	16
Future Vol, veh/h	37	240	160	7	3	16
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	40	261	174	8	3	17

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	182	0	-	0	519	178
Stage 1	-	-	-	-	178	-
Stage 2	-	-	-	-	341	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1393	-	-	-	517	865
Stage 1	-	-	-	-	853	-
Stage 2	-	-	-	-	720	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1393	-	-	-	499	865
Mov Cap-2 Maneuver	-	-	-	-	499	-
Stage 1	-	-	-	-	824	-
Stage 2	-	-	-	-	720	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	9.8
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1393	-	-	-	775
HCM Lane V/C Ratio	0.029	-	-	-	0.027
HCM Control Delay (s)	7.7	-	-	-	9.8
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.1	-	-	-	0.1

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	113	50	10	10	20	10	10	10	0	10	10	67
Future Vol, veh/h	113	50	10	10	20	10	10	10	0	10	10	67
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	128	57	11	11	23	11	11	11	0	11	11	76
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.7	7.6	7.8	7.6
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	50%	65%	25%	11%
Vol Thru, %	50%	29%	50%	11%
Vol Right, %	0%	6%	25%	77%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	20	173	40	87
LT Vol	10	113	10	10
Through Vol	10	50	20	10
RT Vol	0	10	10	67
Lane Flow Rate	23	197	45	99
Geometry Grp	1	1	1	1
Degree of Util (X)	0.03	0.234	0.054	0.112
Departure Headway (Hd)	4.693	4.276	4.31	4.075
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	766	830	834	884
Service Time	2.699	2.355	2.32	2.078
HCM Lane V/C Ratio	0.03	0.237	0.054	0.112
HCM Control Delay	7.8	8.7	7.6	7.6
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.1	0.9	0.2	0.4

Appendix M

Transportation Impact Study

Transportation Impact Study

Oak Knoll

October 19, 2023

Prepared For:

LENNAR®

Prepared by:

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1.0 Introduction

The purpose of this Transportation Impact Study (TIS) is to identify and document any significant transportation related impacts associated with the Oak Knoll project (Proposed Project), and to recommend mitigation measures for identified impacts, as necessary.

1.1 Project Description

The proposed project is approximately 11.5 acres and includes a total of 63 new single-family homes and associated site improvements and retention of the existing historic home (see Figure 1-1, Site Plan). The project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The proposed project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre (64 total residential lots/7.26-acre net project area not including private streets), which is just over the existing RS-7 designation density. The proposed project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

A total of 40 public parking spaces will be provided, including 24 parallel and 16 perpendicular spaces, in addition to the two car parking garages and driveways provided for each unit. The project location is displayed in Figure 1.1 and the site plan displayed in Figure 1.2.

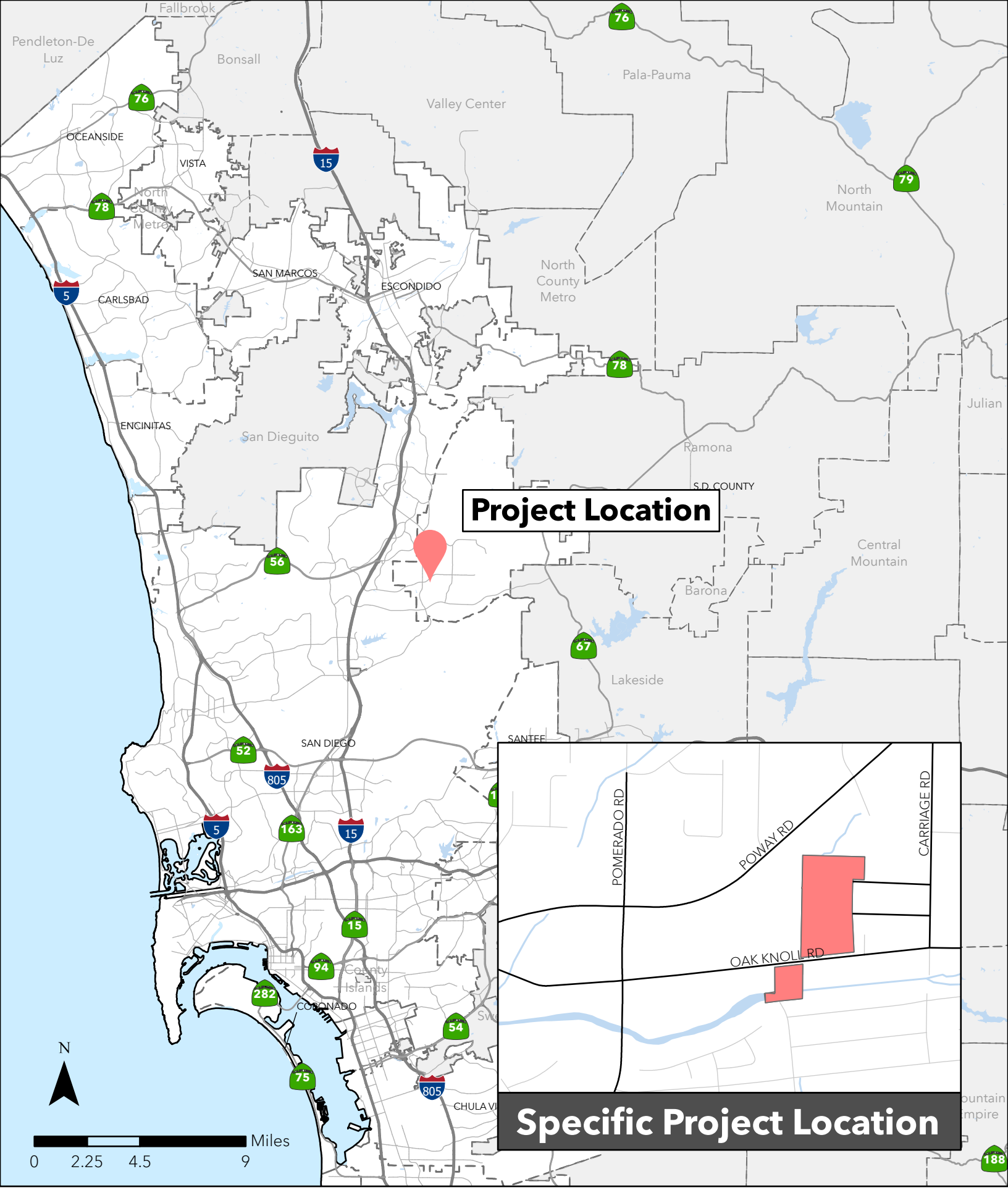
1.2 Proposed Project Trip Generation

Table 1 displays the Proposed Project's anticipated trip generation. Trip generation rates were derived from *SANDAG's (Not So) Brief Guide of Vehicular Traffic Generation Rates in the San Diego Region, April 2002*.

Table 1.1 Proposed Project Trip Generation

Land Use	Units	Trip Rate	ADT	AM					PM				
				%	Trips	Split	In	Out	%	Trips	Split	In	Out
Single Family	63 Units	10/Units	630	8%	51	(3:7)	15	36	10%	63	(7:3)	44	19

As shown, the Proposed Project is anticipated to generate a total of 630 daily trips, with 51 trips (15-in & 36-out) generated during the AM peak hour and 63 trips (44-in & 19-out) during the PM peak hour.



Oak Knoll

Figure 1.1
Project Location

Figure 1.2
Project Site Plan

1.3 Project Setting

Access to the Proposed Project from the regional transportation network would be provided via Poway Road, Pomerado Road, and Oak Knoll Road. These roadways would either provide a direct connection to the Proposed Project site, via a project driveway on Oak Knoll Road, or would provide a critical link between the Proposed Project and the regional transportation network. Descriptions of these transportation network facilities are described below:

Poway Road is a four-lane east/west roadway that connects I-15 in the west to SR-67 in the east. The roadway has a posted speed limit of 35 miles per hour (mph) and is divided by a raised median. Within the study area, Poway Road provides direct access to commercial centers. Pedestrian sidewalks and buffered Class II bicycle lanes are present on both sides of the roadway. San Diego Metropolitan Transit System (MTS) routes 944, 945, and 945A currently provide services on Poway Road, with the closest stop to the project site located on Poway Road and the Countryside Apartments driveway. Poway Road is classified as a Major Arterial by the City's *Transportation Master Element, March 2010*.

Pomerado Road is a four-lane north/south roadway that connects Twin Peaks Road to Spring Canyon Road. Within the study area, this roadway is divided by a center-left-turn lane and has a posted speed limit of 45 mph. Pomerado Road is primarily fronted by residential units and provides pedestrian sidewalks and bicycle lanes on both sides of the roadway. San Diego MTS bus routes 945 and 945A currently provide services on Pomerado Road, north of Poway Road. Pomerado Road is classified as a Major Arterial by the City's *Transportation Master Element, March 2010*.

Oak Knoll Road is two-lane undivided roadway that connects Sage View Road to Selier Street. The Proposed Project will take access via side-street stop-controlled intersection on Oak Knoll Road, as well as single family driveways for the homes on the western parcel. This roadway is an undivided roadway with a posted speed limit of 25 mph. Parallel parking is provided on both sides of the roadway. Oak Knoll Road is fronted by residential units and small businesses. Pedestrian sidewalks are provided on both sides of the roadway and sharrow signs are painted on the roadway indicating that Oak Knoll Road is a bicycle route. According to the City's *Transportation Master Element, March 2010*, Oak Knoll Road is a local collector between Poway Road and Pomerado Road and a local road east of Pomerado Road.

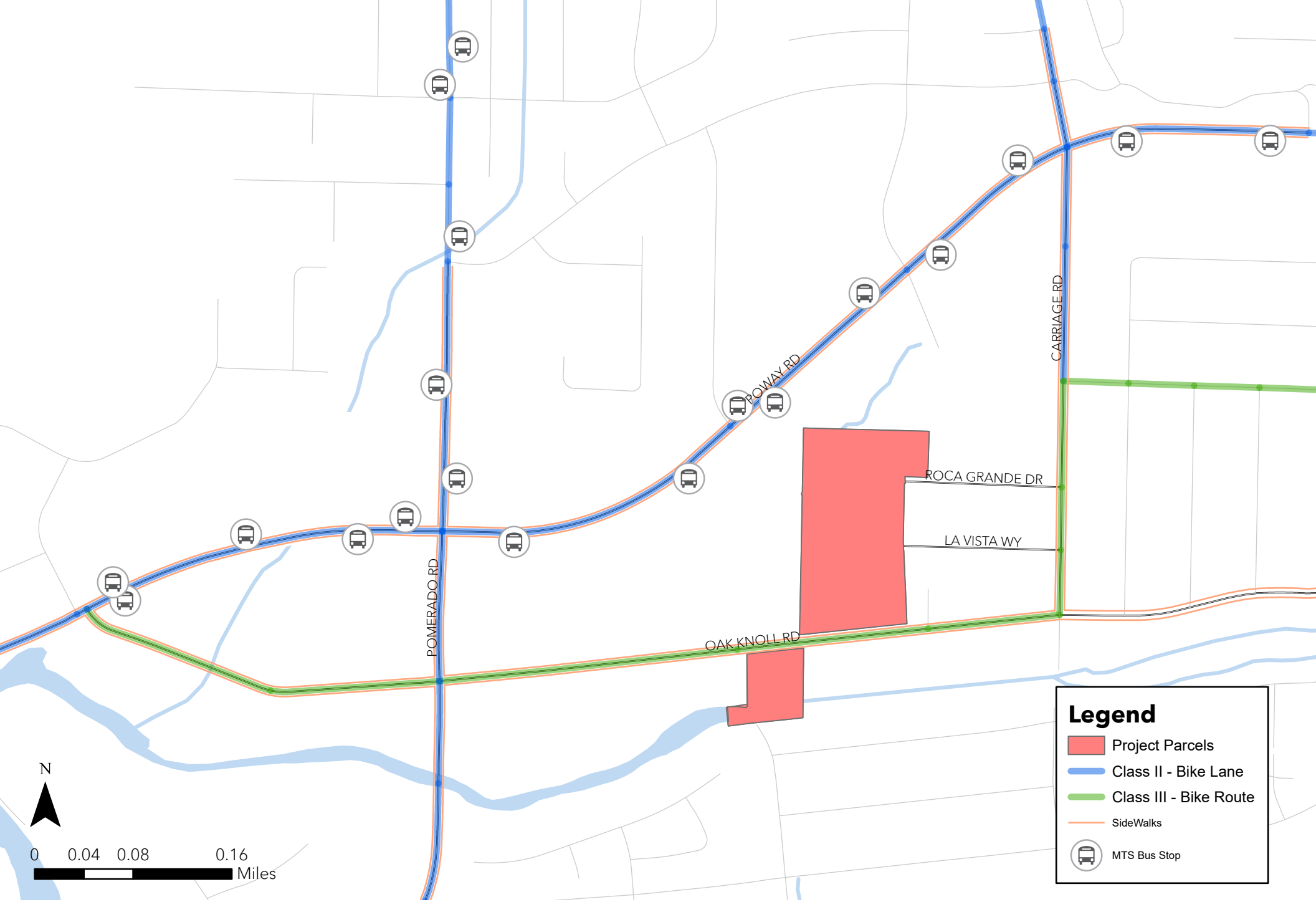
Figure 1.3 display the transportation network around the Proposed Project site.

1.4 Report Organization

Following this Introduction chapter, this report is organized into the following sections:

2.0 *Analysis Methodology* – This chapter describes the methodologies and standards utilized to analyze and identify the transportation related impacts associated with the Proposed Project.

3.0 *Transportation Related Impacts and Mitigation* – This chapter derives and analyzes the projected Vehicle Miles Traveled (VMT) that will be generated by the Proposed Project. This chapter also identifies if the Proposed Project related VMT would create significant project related impacts, as it relates to the standards outlined in the California Environmental Quality Act (CEQA). Finally, the chapter provides recommendations for mitigation measures to reduce the identified transportation related impacts, if necessary, and evaluates the feasibility of the proposed mitigation measures.



Oak Knoll

Figure 1.3
Local Transportation Network

2.0 Analysis Methodology and Threshold

2.1 Background (SB-743)

On September 27, 2013, Governor Edmund G. Brown, Jr. signed California Senate Bill 743 (SB-743) into law, starting a process that is expected to fundamentally change the way transportation impact analysis is conducted under CEQA. Within the State's CEQA Guidelines, these changes include elimination of auto delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts. Note: SB-743 was placed into practice on July 1, 2020.

On December 2018, the Resources Agency certified and adopted the CEQA Guidelines update package, which included the California Natural Resources Agency Guidelines for the Implementation of the California Environmental Quality Act. As a result, the California Governor's Office of Planning and Research (OPR) updated and released the *Technical Advisory on Evaluating Transportation Impacts in CEQA* (Technical Advisory) in December 2018[1]. Based on these updated guidelines, lead agencies had until July 1, 2020, to comply with the updated CEQA revision. Therefore, all lead agencies are now required to comply with the December 2018 CEQA guidelines, as well as the requirements outlined under SB-743.

2.2 CEQA Guidelines Section 15064.3

Section 15064.3(b) of the CEQA Guidelines outlines how transportation related impacts should be evaluated and identified under CEQA. This section was included within December 2018 update to implement the requirements outlined within SB-743:

> (1) *Land Use Projects*. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

As outlined in the section, Vehicle Miles Traveled (VMT) must be used to evaluate the transportation related impacts associated with land use projects.

2.3 Analysis Guidelines and Significance Thresholds

The City has not yet adopted significance thresholds which utilize VMT to assess transportation related impacts, is as required under Section 15064.3(b)(1) of the CEQA Guidelines. Therefore, the methodologies, substantial evidence, and recommended significance thresholds presented OPR's Technical Advisory were used to assess and identify the VMT related impacts that may be associated with the Proposed Project. It should be noted that the *Guidelines for Transportation Impact Studies in the San Diego Region, May 2019* (Regional Guidelines) is an additional resource that can be used to identify and determine VMT related impacts within the San Diego Region. However, the VMT related significance thresholds presented in Regional Guidelines were derived, and are consistent with, OPR's Technical Advisory. Additionally, no jurisdiction within the San Diego Region has officially adopted or indorsed the Regional Guidelines to this point, thus they are only used for information purposes. Therefore, OPR's

[1] https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

Technical Advisory was used as the primary source in determining the thresholds for the Proposed Project.

2.4 Screening Criteria

OPR's Technical Advisory outlines several screening criteria in which land development can be assumed to have a less than significant VMT related impact and are thus screened out from conducting a detailed VMT analysis. OPR's identified screening criteria includes small project screening (generates less than 110 daily trips), projects located within a VMT efficient area, projects located within a Transit Priority Area (TPA), 100% affordable housing projects, and locally serving uses. The Proposed Project does not meet any of the identified screening criteria, and therefore is required to conduct a detailed VMT analysis.

2.5 Significance Thresholds

As outlined in Section E.2. of OPR's Technical Advisory (Recommended Numeric Thresholds for Residential, Office, and Retail Projects):

> Recommended threshold for residential projects: A proposed project exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. Existing VMT per capita may be measured as regional VMT per capita or as city VMT per capita. Proposed development referencing a threshold based on city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the number of units specified in the SCS for that city and should be consistent with the SCS.

A threshold of 15% below the San Diego region's[2] base year VMT per capita was used to identify VMT related impacts. Based on SANDAG Series 14 Transportation Forecast (Series ID 458), the average VMT per capita for the San Diego Region is 18.9 miles. Therefore, the significance threshold used to evaluate and identify the Proposed Project's VMT related impacts was 16.1 miles [18.9 miles X (100% - 15%)].

2.6 Cumulative Analysis

As outlined in Section C.1. of the Technical Advisory (Recommendations Regarding Methodology):

> A project that falls below an efficiency-based threshold that is aligned with long-term environmental goals and relevant plans would have no cumulative impact distinct from the project impact. Accordingly, a finding of a less-than-significant project impact would imply a less than significant cumulative impact, and vice versa.

Since the Proposed Project's VMT related impacts will be assessed utilizing an efficiency-based metric (VMT per capita), the Proposed Project's direct (project) and cumulative impacts can be assumed to be the same, thus, no additional cumulative analysis is required.

2.7 VMT Analysis Tool

As outlined under CEQA Guidelines Section 15064.3(b):

> *(4) Methodology.* A lead agency has discretion to choose the most appropriate methodology to evaluate a project's vehicle miles traveled, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a project's vehicle miles traveled, and may revise those estimates to reflect professional

[2] To be conservative, the regional VMT per capita (18.9 miles) was selected for the threshold over the City's VMT per Capita (21.5 miles).

> judgment based on substantial evidence. Any assumptions used to estimate vehicle miles traveled and any revisions to model outputs should be documented and explained in the environmental document prepared for the project. The standard of adequacy in Section 15151 shall apply to the analysis described in this section.

The SANDAG Series 14 Regional Growth Forecast (ABM2+)[3] is the most up-to-date transportation forecast within the San Diego region. ABM2+ utilizes a tour-based methodology to calculate both vehicular trip generation and VMT output. This approach is consistent with the recommendations outlined in Section B1 of ORP's Technical Advisory. Based on these findings, the ABM2+ was identified as the most accurate and correct tool to evaluate the Proposed Project's VMT related impacts. As such, the San Diego Region SB-743 VMT Maps[4] was utilized to derive the VMT per capita for the Proposed Project site.

2.8 VMT Reduction / Transportation Demand Management

The quantification of all VMT reductions associated with Transportation Demand Management (TDM) measures were calculated based on the measures and methodologies outlined in the California Air Pollution Control Officers Association's (CAPCOA*) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity* (GHG Handbook)[5]. The GHG Handbook provides methods to quantify GHG emission reductions from a specified list of measures, primarily focused on project-level actions. The GHG Handbook also includes a method to assess potential benefits of different climate vulnerability reduction measures, as well as measures that can be implemented to improve health and equity, again at the project level. The majority of the measures outlined under the Transportation Section of the GHG Handbook focus on reductions in VMT, as they can be directly associated with reductions in GHG.

CAPCOA's GHG Handbook is an update to CAPCOA's Quantifying Green House Gas Mitigation Measures, August 2010[6], which has been the main resource used within the State of California to calculate VMT reductions for both Transportation and GHG related impacts over the past decade. CAPCOA's GHG Handbook has refined and added to the VMT reduction methodologies included within the Original CAPCOA Manual to best reflect the on-going research that has occurred over the last 10+ years. Therefore, CAPCOA's GHG Handbook provides the best, and most current, substantial evidence to calculate VMT reductions associated with TDM measures.

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[3] The SANDAG Series 14 Regional Growth Forecast is the long-range forecast of population, housing, and employment that was inputted into ABM2+ for the proposed Plan. The Sustainable Communities Strategy (SCS) land use pattern is a subregional allocation of forecasted growth and development (population, housing, and jobs) based on the Series 14 Regional Growth Forecast. Data used to develop the SCS land use pattern are based on the most recent planning assumptions, considering local general plans and other factors, per California Senate Bill 375 (Steinberg, 2008) (SB 375) (Government Code Section 65080[b][2][B]). A detailed description of how the SANDAG Model calculates VMT is provided at the following location: https://www.sandag.org/uploads/2050RTP/F2050RTPTA15.pdf

[4] https://sandag.maps.arcgis.com/apps/webappviewer/index.html?id=5b4af92bc0dd4b7babbce21a7423402a

[5] https://www.airquality.org/residents/climate-change/ghg-handbook-caleemod

[6] http://www.aqmd.gov/docs/default-source/ceqa/handbook/capcoa-quantifying-greenhouse-gas-mitigation-measures.pdf

3.0 Transportation Impact & Mitigation

This chapter derives and analyzes the projected VMT per capita that will be generated by the Proposed Project. This chapter also identifies if the Proposed Project related VMT per capita would create significant project related impact, based on the thresholds outlined in Section 2.0. Finally, the chapter provides recommendations for mitigation measures that may reduce the Proposed Project's impacts to less than significant levels, and evaluates the feasibility of the proposed mitigation measures, if necessary.

3.1 VMT Impact Analysis

Figure 3.1 displays the ABM2+ VMT output for the Proposed Project site. Table 3.1 evaluates the VMT per capita in which the Proposed Project's site is anticipated to generate. Additionally, the table compares the project VMT to the regional significance threshold to identify if the Proposed Project will have a significant VMT related impact.

Table 3.1 VMT Impact Analysis

Project Site VMT Per Capita (Miles)[1]	Regional VMT Per Capita Threshold (Miles)	Difference (Miles)	Difference (%)	Significant Impact?
20.7	16.1	4.6 miles over	+22.2%	Yes

Note
[1]Source: San Diego Region SB-743 VMT Maps (TAZ 1395)

As shown in the table, the Proposed Project site is anticipated to generate a VMT per capita that is 4.6 miles per resident over the regional the regional threshold, thus resulting in a significant VMT related impact. The Proposed Project would need to reduce its overall VMT generation by 22.2% (4.6 miles / 20.7 miles) to reduce this impact to less than significant.

3.2 Mitigation

As noted in Section 3.1, the Proposed Project is projected to have a significant VMT related impact. To reduce the impact to a less than significant level, TDM measures will need to be implemented to reduce project related VMT. Therefore, a TDM analysis was conducted using CAPCOA's GHG Handbook to provide an understanding of the types and magnitude of TDM related design features and programs the Proposed Project would need to implement to reduce these impacts to less than significant levels.

It should be noted that the CAPCOA GHG Handbook does not include every potential TDM measure that could potentially reduce the Proposed Project's VMT. However, the effectiveness and methods to calculate VMT reductions for TDM measures not included within the CAPCOA GHG Handbook have not been recognized or agreed upon by the State, the San Diego Region, or the City and may be subject to challenge. Therefore, measures outside of the CAPCOA Handbook were not considered as mitigation strategies and their reductions were not considered due to the lack of substantial evidence to support their effectiveness.

Table 3.2 reviews each of the TDM measures included in the CAPCOA GHG Handbook and identifies if the TDM measure would be applicable to the Proposed Project. The reductions that would be associated with each identified feasible measure were then calculated in Section 3.3.

Source: San Diego Region SB743 VMT Maps (arcgis.com)

Figure 3.1

Project Site VMT Generation (VMT per Capita)

Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-1	Increase Residential Density	This measure accounts for the VMT reduction achieved by a project that is designed with a higher density of dwelling units (du) compared to the average residential density in the U.S. Increased densities affect the distance people travel and provide greater options for the mode of travel they choose. Increasing residential density results in shorter and fewer trips by single-occupancy vehicles and thus a reduction VMT. This measure is best quantified when applied to larger developments and developments where the density is somewhat similar to the surrounding area due to the underlying research being founded in data from the neighborhood level.	0.0%-30.0% Project VMT	*No* - The Proposed Project will have a net density of 6.8 dwelling units per acre, which is below the residential density of a typical development cited within the CAPCOA Handbook of 9.1 units per acre.
T-2	Increase Job Density	This measure accounts for the VMT reduction achieved by a project that is designed with a higher density of dwelling units (du) compared to the average residential density in the U.S. Increased densities affect the distance people travel and provide greater options for the mode of travel they choose. Increasing residential density results in shorter and fewer trips by single-occupancy vehicles and thus a reduction in VMT. This measure is best quantified when applied to larger developments and developments where the density is somewhat similar to the surrounding area due to the underlying research being founded in data from the neighborhood level.	0.0%-30.0% Project VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-3	Provide Transit-Oriented Development	This measure would reduce project VMT in the study area relative to the same project sited in a non-transit-oriented development (TOD) location. TOD refers to projects built in compact, walkable areas that have easy access to public transit, ideally in a location with a mix of uses, including housing, retail offices, and community facilities. Project site residents, employees, and visitors would have easy access to high-quality public transit, thereby encouraging transit ridership and reducing the number of single-occupancy vehicle trips and VMT.	6.9%-31.0% Project VMT	*N/A* – The nearest existing bus stop to the Proposed Project is on Poway Road. If the proposed multi-use pathway, which will connect the Proposed Project to Poway Road, is secured this stop will be within a ¼ mile walk from the Proposed Project. However, the Proposed Project cannot take a reduction as a TOD because the MTS bus routes along Poway Road operate at 30-minute headways, which means they do not constitute as a high-frequency major route. If the services were increased to 15-minutes or less, the Proposed Project could experience a TOD reduction of up-to 12%; however, the Proposed Project nor City have the authority to increase transit frequency. Therefore, it is not feasible for the Proposed Project to be designed as a TOD.
T-4	Integrate Affordable and Below Market Rate Housing	This measure requires below market rate (BMR) housing. BMR housing provides greater opportunity for lower income families to live closer to job centers and achieve a jobs/housing match near transit. It is also an important strategy to address the limited availability of affordable housing that might force residents to live far away from jobs or school, requiring longer commutes. The quantification method for this measure accounts for VMT reductions achieved for multifamily residential projects that are deed restricted or otherwise permanently dedicated as affordable housing.	0.0%-28.6% Project VMT	*No* - None of the residential homes are BMR housing.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-5	Implement Commute Trip Reduction Program (Voluntary)	This measure will implement a voluntary commute trip reduction (CTR) program with employers. CTR programs discourage single- occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking, thereby reducing VMT. Voluntary implementation elements are described in this measure.	0.0%-4.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-6	Implement Commute Trip Reduction Program (Mandatory Implementation and Monitoring)	This measure will implement a mandatory CTR program with employers. CTR programs discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking, thereby reducing VMT.	0.0%-26.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-7	Implement Commute Trip Reduction Marketing	This measure will implement a marketing strategy to promote the project site employer's CTR program. Information sharing and marketing promote and educate employees about their travel choices to the employment location beyond driving such as carpooling, taking transit, walking, and biking, thereby reducing VMT.	0.0%-4.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-8	Provide Ridesharing Program	This measure will implement a ridesharing program and establish a permanent transportation management association with funding requirements for employers. Ridesharing encourages carpooled vehicle trips in place of single-occupied vehicle trips, thereby reducing the number of trips and VMT.	0.0%-8.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-9	Implement Subsidized or Discounted Transit Program	This measure will provide subsidized or discounted, or free transit passes for employees and/or residents. Reducing the out-of-pocket cost for choosing transit improves the competitiveness of transit against driving, increasing the total number of transit trips and decreasing vehicle trips. This decrease in vehicle trips results in reduced VMT.	0.0%-5.5% Project VMT	*No* – The project is comprised of single family homes which will have individual owners. The Proposed Project will have an HOA; however, since the residents would be the ones paying the HOA fees, they would in turn be subsidizing their own transit passes, thus no actual discount would be experienced.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-10	Provide End-of-Trip Bicycle Facilities	This measure will install and maintain end-of-trip facilities for employee use. End-of-trip facilities include bike parking, bike lockers, showers, and personal lockers. The provision and maintenance of secure bike parking and related facilities encourages commuting by bicycle, thereby reducing VMT.	0.1%-4.4% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-11	Provide Employer-Sponsored Vanpool	This measure will implement an employer-sponsored vanpool service. Vanpooling is a flexible form of public transportation that provides groups of 5 to 15 people with a cost-effective and convenient rideshare option for commuting. The mode shift from long-distance, single-occupied vehicles to shared vehicles reduces overall commute VMT.	3.4%-20.4% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-12	Price Workplace Parking	This measure will price onsite parking at workplaces. Because free employee parking is a common benefit, charging employees to park onsite increases the cost of choosing to drive to work. This is expected to reduce single-occupancy vehicle commute trips, resulting in decreased VMT.	0.0%-20.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-13	Implement Employee Parking Cash-Out	This measure will require project employers to offer employee parking cash-out. Cash-out is when employers provide employees with a choice of forgoing their current subsidized/free parking for a cash payment equivalent to or greater than the cost of the parking space. This encourages employees to use other modes of travel instead of single occupancy vehicles. This mode shift results in people driving less and thereby reduces VMT.	0.0%-12.0% Commute VMT	*N/A* - This measure only applies to employment based projects. Therefore, this measure cannot be applied to the Proposed Project since it is only comprised of residential uses.
T-14	Provide Electric Vehicle Charging Infrastructure	This measure is GHG reducing only and does not result in a reduction in VMT.	N/A	*N/A* – Measure does not apply to VMT reductions.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-15	Limit Residential Parking Supply	This measure will reduce the total parking supply available at a residential project or site. Limiting the amount of parking available creates scarcity and adds additional time and inconvenience to trips made by private auto, thus disincentivizing driving as a mode of travel. Reducing the convenience of driving results in a shift to other modes and decreased VMT. Evidence of the effects of reduced parking supply is strongest for residential developments.	0.0%-13.7% Project VMT	*N/A* – The Proposed Project is providing individual private garages and driveways for each single-family dwelling unit. Additional guest parking spaces will also be provided to prevent guest parking from spilling into adjacent neighborhoods. Therefore, reducing the residential parking supply is not feasible.
T-16	Unbundle Residential Parking Costs from Property Cost	This measure will unbundle, or separate, a residential project's parking costs from property costs, requiring those who wish to purchase parking spaces to do so at an additional cost. On the assumption that parking costs are passed through to the vehicle owners/drivers utilizing the parking spaces, this measure results in decreased vehicle ownership and, therefore, a reduction in VMT. Unbundling may not be available to all residential developments, depending on funding sources.	0.0%-15.7% Project VMT	*N/A* – The Proposed Project units are designed to incorporate an attached private garage with each unit. As such, unbundling parking from individual uses is not feasible.
T-17	Improve Street Connectivity	This measure accounts for the VMT reduction achieved by a project that is designed with a higher density of vehicle intersections compared to the average intersection density in the U.S. Increased vehicle intersection density is a proxy for street connectivity improvements, which help to facilitate a greater number of shorter trips and thus a reduction in VMT.	0.0%-30.0% Community VMT	*N/A* – The Proposed Project will not create any additional intersections or roadway segments.
T-18	Provide Pedestrian Network Improvement	This measure will increase the sidewalk coverage to improve pedestrian access. Providing sidewalks and an enhanced pedestrian network encourages people to walk instead of drive. This mode shift results in a reduction in VMT and GHG emissions.	0.0%-6.4% Community VMT	*N/A* – Sidewalks are already provided on Oak Knoll Road along the project frontage. The Proposed Project will include a network sidewalks within the project site. However, these will predominantly serve the project residents and are not anticipated to increase the walking mode split.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-19A	Construct or Improve Bike Facility	This measure will construct or improve a single bicycle lane facility (only Class I, II, or IV) that connects to a larger existing bikeway network. Providing bicycle infrastructure helps to improve biking conditions within an area. This encourages a mode shift on the roadway parallel to the bicycle facility from vehicles to bicycles, displacing VMT. When constructing or improving a bicycle facility, a best practice is to consider local or state bike lane width standards. A variation of this measure is provided as T-19-B, Construct, or Improve Bike Boulevard.	0.0%-0.8% Parallel Roadway VMT	*N/A* – Oak Knoll Road currently provides Class III bicycle sharrows. To implement Class II bike lanes, parking will need to be removed on one side of the roadway. However, parking demand on Oak Knoll Road is high because of the fronting multi-family residential units; so, removing parking on that roadway is not considered a feasible option. Therefore, no additional bicycle improvements are planned to be implemented within the Proposed Project's prevue.
T-19B	Construct or Improve Bike Boulevard	Construct or improve a single bicycle boulevard that connects to a larger existing bikeway network. Bicycle boulevards are a designation within Class III Bikeway that create safe, low-stress connections for people biking and walking on streets. This encourages a mode shift from vehicles to bicycles, displacing VMT. A variation of this measure is provided as T-19-A, Construct or Improve Bike Facility, which is for Class I, II, or IV bicycle infrastructure	0.0%-0.2% Roadway VMT	*N/A* – All bicycle facilities long the Proposed Project frontage have been implemented. Therefore, no additional bicycle improvements are planned to be implemented within the Proposed Project's prevue.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-20	Expand Bikeway Network	This measure will increase the length of a city or community bikeway network. A bicycle network is an interconnected system of bike lanes, bike paths, bike routes, and cycle tracks. Providing bicycle infrastructure with markings and signage on appropriately sized roads with vehicle traffic traveling at safe speeds helps to improve biking conditions (e.g., safety and convenience). In addition, expanded bikeway networks can increase access to and from transit hubs, thereby expanding the "catchment area" of the transit stop or station and increasing ridership. This encourages a mode shift from vehicles to bicycles, displacing VMT. When expanding a bicycle network, a best practice is to consider bike lane width standards from local agencies, state agencies, or the National Association of City Transportation Officials' Urban Bikeway Design Guide.	0.0%-0.5% Community VMT	*N/A* – All bicycle facilities long the Proposed Project frontage have been implemented. Therefore, no additional bicycle improvements are planned to be implemented within the Proposed Project's prevue.
T-21A	Implement Conventional Carshare Program	This measure will increase carshare access in the user's community by deploying conventional carshare vehicles. Carsharing offers people convenient access to a vehicle for personal or commuting purposes. This helps encourage transportation alternatives and reduces vehicle ownership, thereby avoiding VMT. A variation of this measure, electric carsharing, is described in Measure T-21-B, Implement Electric Carshare Program	0.0%-0.15% Community VMT	*N/A* – Public car share programs are not currently available within the City. However, should a car share company want to locate a carshare on the property, the Proposed Project could accommodate its residents. It should be noted that existing rideshare services (Uber & Lyft) would be available to Proposed Project residents. However, they are assumed to be accounted for under the baseline.
T-21B	Implement Electric Carshare Program	The additional GHG reductions associated with this measure, as compared to T-21A do not affect VMT.	N/A	*N/A* – Measure does not apply to VMT reductions.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-22A	Implement Pedal (Non-Electric) Bikeshare Program	This measure will establish a bikeshare program. Bikeshare programs provide users with on-demand access to bikes for short-term rentals. This encourages a mode shift from vehicles to bicycles, displacing VMT. Variations of this measure are described in Measure T-22-B, Implement Electric Bikeshare Program, and Measure T-22-C, Implement Scootershare Program.	0.0%-0.02% Community VMT	*N/A* – See Measure T-22B.
T-22B	Implement Electric Bikeshare Program	This measure will establish an electric bikeshare program. Electric bikeshare programs provide users with on-demand access to electric pedal assist bikes for short-term rentals. This encourages a mode shift from vehicles to electric bicycles, displacing VMT. Variations of this measure are described in Measure T-22-A, Implement Pedal (Non-Electric) Bikeshare Program, and Measure T-22-C, Implement Scootershare Program.	0.0%-0.06% Community VMT	*N/A* – The City does not currently have an electric bikeshare program.
T-22C	Implement Scootershare Program	This measure will establish a scootershare program. Scootershare programs provide users with on-demand access to electric scooters for short-term rentals. This encourages a mode shift from vehicles to scooters, displacing VMT. Variations of this measure are described in Measure T-22-A, Implement Pedal (Non-Electric) Bikeshare Program, and Measure T-22-B, Implement Electric Bikeshare Program	0.0%-0.07% Community VMT	*N/A* – The City does not currently have a scootershare program.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-23	Provide Community-Based Travel Planning	This measure will target residences in the plan/community with community-based travel planning (CBTP). CBTP is a residential-based approach to outreach that provides households with customized information, incentives, and support to encourage the use of transportation alternatives in place of single occupancy vehicles, thereby reducing household VMT.	0.0%-2.3% Community VMT	*Yes* - It is assumed that the Proposed Project HOA will provide alternative modes of transportation information to residents and tenant as a part of the "New Resident" or "New Tenant" package. The HOA will also provide residents with transit schedules within the area, and alert residents when new transit services are added, or services are charged. The HOA will also act as Travel Advisor, providing new residents and tenants with information regarding how members of households can travel in alternative ways that meet their needs.
T-24	Implement Market Price Public Parking (On-Street)	This measure will price all on-street parking in a given community, with a focus on parking near central business districts, employment centers, and retail centers. Increasing the cost of parking increases the total cost of driving to a location, incentivizing shifts to other modes and thus decreasing total VMT to and from the priced areas.	0.0%-30.0% Community VMT	*N/A* – The City does not currently have a parking district or on-street parking meters; therefore, this measure is not applicable.
T-25	Extend Transit Network Coverage or Hours	This measure will expand the local transit network by either adding or modifying existing transit service or extending the operation hours to enhance the service near the project site. Starting services earlier in the morning and/or extending services to late-night hours can accommodate the commuting times of alternative-shift workers. This will encourage the use of transit and therefore reduce VMT.	0.0%-4.6% Community VMT	*N/A* – The operation and deployment of transit routes within the City is under the jurisdiction of MTS. Therefore, the City nor the project applicant have the authority to change or increase the existing transit services.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-26	Increase Transit Service Frequency	This measure will increase transit frequency on one or more transit lines serving the plan/community. Increased transit frequency reduces waiting and overall travel times, which improves the user experience and increases the attractiveness of transit service. This results in a mode shift from single occupancy vehicles to transit, which reduces VMT.	0.0%-11.3% Community VMT	*N/A* – The operation and deployment of transit routes within the City is under the jurisdiction of MTS. Therefore, the City nor the project applicant have the authority to change or increase the existing transit services.
T-27	Implement Transit-Supportive Roadway Treatments	This measure will implement transit-supportive treatments on the transit routes serving the plan/community. Transit-supportive treatments incorporate a mix of roadway infrastructure improvements and/or traffic signal modifications to improve transit travel times and reliability. This results in a mode shift from single occupancy vehicles to transit, which reduces VMT.	0.0%-0.6% Community VMT	*N/A* – There are currently no transit facilities or services located along Oak Knoll Road; therefore, the Proposed Project does not have the prevue to implement Transit-Supportive Roadway Treatments along its frontage.
T-28	Provide Bus Rapid Transit	This measure will convert an existing bus route to a bus rapid transit (BRT) system. BRT includes the following additional components, compared to traditional bus service: exclusive right-of-way (e.g., busways, queue jumping lanes) at congested intersections, increased limited-stop service (e.g., express service), intelligent transportation technology (e.g., transit signal priority, automatic vehicle location systems), advanced technology vehicles (e.g., articulated buses, low-floor buses), enhanced station design, efficient fare-payment smart cards or smartphone apps, branding of the system, and use of vehicle guidance systems. BRT can increase the transit mode share in a community due to improved travel times, service frequencies, and the unique components of the BRT system. This mode shift reduces VMT	0.0%-13.8% Community VMT	*N/A* – The operation and deployment of transit routes within the City is under the jurisdiction of MTS. Therefore, the City nor the project applicant have the authority to implement or operate BRT services.

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Table 3.2 VMT Impact Feasible Mitigation

#	Measure	Description	Potential Reduction	Feasible?
T-29	Reduce Transit Fares	This measure will reduce transit fares on the transit lines serving the plan/community. A reduction in transit fares creates incentives to shift travel to transit from single-occupancy vehicles and other traveling modes, which reduces VMT. This measure differs from Measure T-8, Implement Subsidized or Discounted Transit Program, which can be offered through employer-based benefits programs in which the employer fully or partially pays the employee's cost of transit.	0.0%-1.2% Community VMT	*N/A* – The operation and deployment of transit routes within the City is under the jurisdiction of MTS. Therefore, the City nor the project applicant have the authority to change transit fairs.
T-30	Use Cleaner-Fuel Vehicles	This measure is GHG reducing only and does not result in a reduction in VMT.	N/A	*N/A* – Measure does not apply to VMT reductions.

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3.3 TDM Program Effectives

As outlined in Table 3.2, the following TDM measures were identified to be feasible for the Proposed Project to include within its design or implement on-site.

T-23: Provide Community-Based Travel Planning

The VMT related reductions associated with each of the measures outlined above are calculated within the following sections:

T-23: Provide Community-Based Travel Planning

GHG Reduction Formula

$$A = \frac{C}{B} \times D \times -E \times F$$

GHG Calculation Variables

ID	Variable	Value	Unit	Source
Output				
A	Percent reduction in GHG emissions from household vehicle travel in plan/community	0–2.3	%	calculated
User Inputs				
B	Residences in plan/community	[ ]	residences	user input
C	Residences in plan/community targeted with CBTP	[ ]	residences	user input
Constants, Assumptions, and Available Defaults				
D	Percent of targeted residences that participate	19	%	MTC 2021
E	Percent vehicle trip reduction by participating residences	12	%	MTC 2021
F	Adjustment factor from vehicle trips to VMT	1	unitless	assumed

It is assumed that the Proposed Project HOA will provide alternative modes of transportation information to residents and tenant as a part of the "New Resident" or "New Tenant" package. The HOA will also provide residents with transit schedules within the area, and alert residents when new transit services are added, or services are charged. The HOA will also act as Travel Advisor, providing new residents and tenants with information regarding how members of households can travel in alternative ways that meet their needs.

Based on US Census data, the average people per household within the City is 2.99. Therefore, the Proposed Project would be anticipated to have a total of 191 residents (2.99 people per household X 64 units). All project residents would be targeted with the CBTP.

$$\frac{\text{191 CBTP Targeted Residents}}{\text{191 Total Residents}} \times 19\% \times 12\% \times 1 = \text{2.3\%VMT Reduction}$$

3.4 Impact After Mitigation

When determining the overall VMT reduction associated with the project, the VMT reduction for each individual strategy should be dampened, which is adjusted to reflect that some of the strategies of the strategies may be redundant or applicable to the same populations. Consequently, if all potential TDM measures identified in the previous section were fully realized, the Proposed Project's VMT would be reduced by 2.3% to 20.22 miles (20.7 miles X (100%-2.3%)). The reduction is not sufficient to reduce the VMT per capita below the regional threshold (16.1 miles). Therefore, the Proposed Project's VMT per capita would result in a significant impact. As outlined in Table 3.2, there are no additional quantifiable VMT reducing measures in which the Proposed Project can feasibility implement. Therefore, the Proposed Project's VMT related impact would be significant and unavoidable.

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Appendix N

Water Service Analysis for the Harmon Ranch Project

WATER SYSTEM ANALYSIS

FOR

HARMON RANCH

WITHIN

THE CITY OF POWAY

September 2023

Water System Analysis for Harmon Ranch

Prepared for City of Poway

Client Representative Tracy Beach, P.E.

Prepared by Mission Consulting Services

Project Manager Jennifer R. Mael. PE
RCE 69606, Exp. 6/30/24

Harmon Ranch – Water System Analysis

General Policy Statement

This hydraulic analysis is premised upon current criteria. It is not a representation, expressed or implied, that the City of Poway (City) will furnish water at a future date. Applications for water service are governed by separate rules and regulations, and are the subject of separate City proceedings, apart from hydraulic analysis.

Overall demands allow for typical domestic water consumption by residents and estimated consumption by commercial/industrial users, and an allowance for light irrigation. The assumed demands do not consider any high water usage for commercial/industrial processes or for irrigation of orchards and crops unless specifically stated by the Developer/Engineer.

The location of existing improvements and the recommendations of this hydraulic analysis are presented in schematic form only. It is the responsibility of the Developer/Engineer to design the final improvements, including independent investigation of existing conditions.

The results, including the pressures for the fire flows, should be considered approximate and are based upon a hydraulic model of the City's distribution system. In constructing the model, the 24-hour demand patterns are based upon 2020 conditions, and other assumptions were made. Model demands are based on an average meter records from 2017 through 2019. Actual conditions and results may vary from what is assumed in the model. This analysis is only applicable to Harmon Ranch.

Introduction and Purpose

This analysis is for Harmon Ranch (Project) in the City of Poway (City). The Project is a 11.51-ac property consisting of 64 residential lots located along Oak Knoll Road west of Carriage Road (see **Figure 1**).

Approach

Analysis of the proposed facilities is carried out using an InfoWATER® water distribution system computer model originally developed and updated for the City of Poway as part of their 2001 Potable Water Master Plan Update and updated several times during subsequent master plans and other studies. In the model, the water system is characterized by a series of links (pipes) and nodes (connection points). Links and nodes can also represent reservoirs, pump stations, and pressure reducing valves. The turnover analysis is a simple volumetric calculation.

Information describing the proposed project layout is derived from a four-sheet plan set as provided by the City, prepared by Hunsaker & Associates.

There are also several existing pipes that traverse the project site. The pipes will be either removed or abandoned in place, with connections provided to the proposed onsite water system. These connections and abandoned/removed pipes are shown in Figure 2.

Source of Water

The Project is located within the service area known as the 715 Zone. This pressure zone is supplied by gravity from the City's main 865 Zone through several pressure reducing stations and from the 895 Zone to the south. The 1.0-million gallon Celestial Reservoir provides storage for this zone.

Shown schematically in **Figure 2** is a portion of the existing water distribution system for the 715 Zone.

Demands

In conformance with the water demands established in the 2009 Potable Water Master Plan Update, and based on the land use types, lot sizes and development densities, the following unit water demands are employed:

Rural Residential (RR-C): 1.68 gpm/acre

Combining the unit demand with the combined approximate acreage of 11.51 acres, a total average annual water demand of 19.34 gpm is estimated. Peaking factors for Maximum Day Demand (MDD) and Peak Hour Demand (PHD) are included in the daily diurnal pattern for each zone, including the 715 Zone, and are 2.57 and 2.97, respectively.

Project MDD = 19.34 gpm x 2.57 = 49.70 gpm

Project PHD = 19.34 gpm x 2.97 = 57.44 gpm

Design Criteria

The minimum desirable pressure during a maximum day plus fire condition is 20 psi and the maximum velocity is 15 fps in the vicinity of the fire flow demand. Fire sprinkler demands are typically determined by the fire sprinkler designer, and as such, have not been analyzed as part of this study. Minimum pressures for PHD are 40 psi, with a maximum PHD velocity of 7 fps.

The required fire flow for a single-family residential development such as this is 1,500 gpm for a duration of 2 hours. This time typically occurs on the MDD that occurs after a PHD, such that the tanks serving the zone would be at their lowest level of the day.

Results

PHD simulation shows that the vicinity and Project area can provide a minimum of 40 psi pressure at velocities less than 7 fps.

A fire flow of 1,500 gpm was placed at various proposed fire hydrants throughout the Project. Results show that the fire flow design criteria are satisfied with a minimum of 20 psi at nodes in the vicinity of the fire, and a maximum velocity of less than 15 fps throughout the site with all 8-inch piping. No offsite improvements are necessary to service the Project. The model results for each hydrant are listed below in Table 1.

Table 1. Model Results

Run No.	Condition	Minimum Pressure	Maximum Velocity
1	Peak Hour Demand	83.2 psi at Node J706	1.4 fps at Pipe 715-0051
2	MDD + 1,500 gpm Fire at Node J702	75.0 psi at Node J702	6.9 fps at Pipe P775
3	MDD + 1,500 gpm Fire at Node J704	74.7 psi at Node J704	7.2 fps at Pipe P775
4	MDD + 1,500 gpm Fire at Node J716	75.5 psi at Node J716	7.3 fps at Pipe P775
5	MDD + 1,500 gpm Fire at Node J722	77.5 psi at Node J706	7.3 fps at Pipe P775
6	MDD + 1,500 gpm Fire at Node J710	77.1 psi at Node J702	7.1 fps at Pipe P775
7	MDD + 1,500 gpm Fire at Node J714	76.5 psi at Node J702	6.9 fps at Pipe P775

Results for the worst-case fire condition at J104 and PHD condition are provided in the **Appendix**.

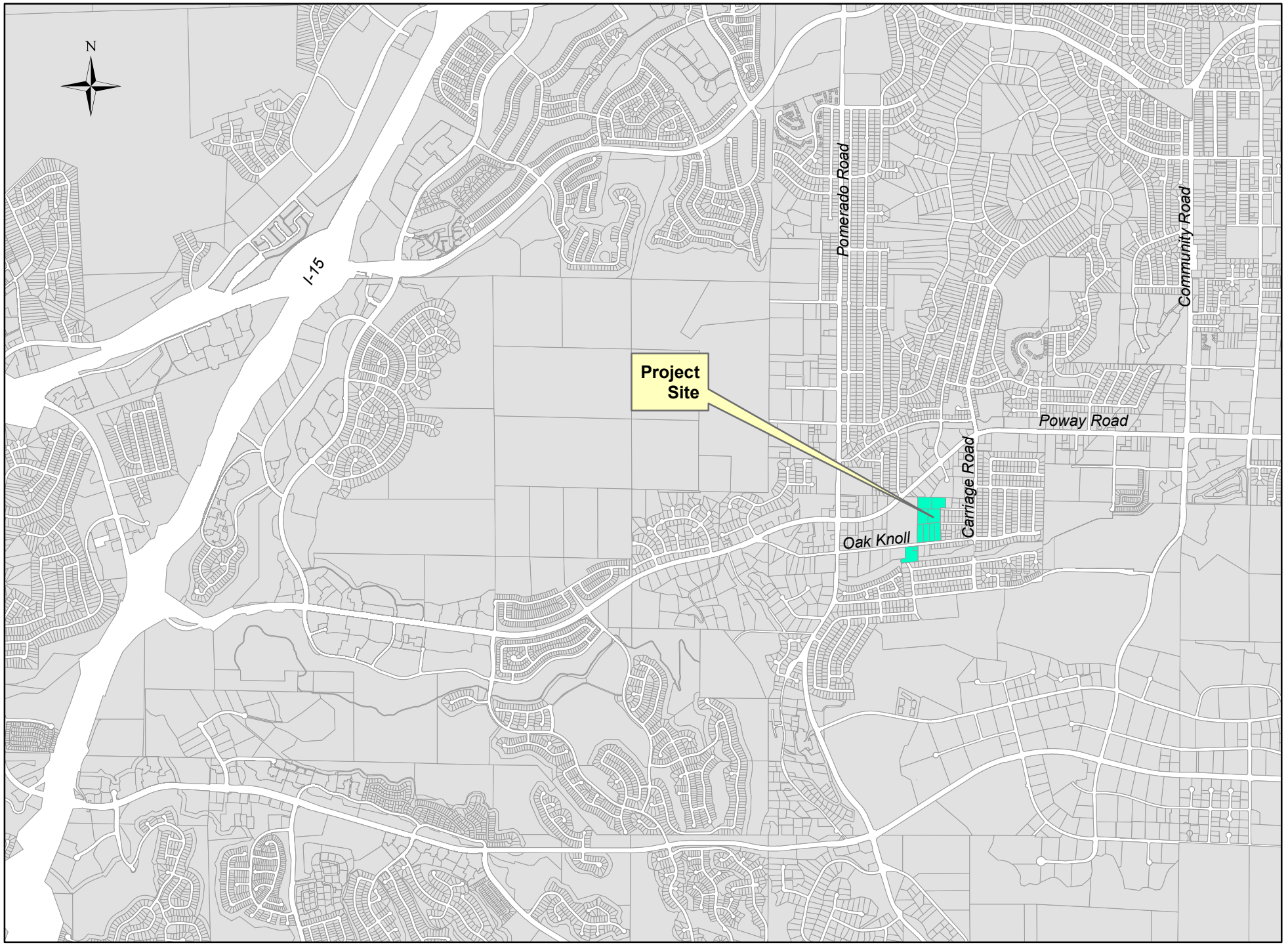


Figure 1 - Project Vicinity

Harmon Ranch Water System Analysis

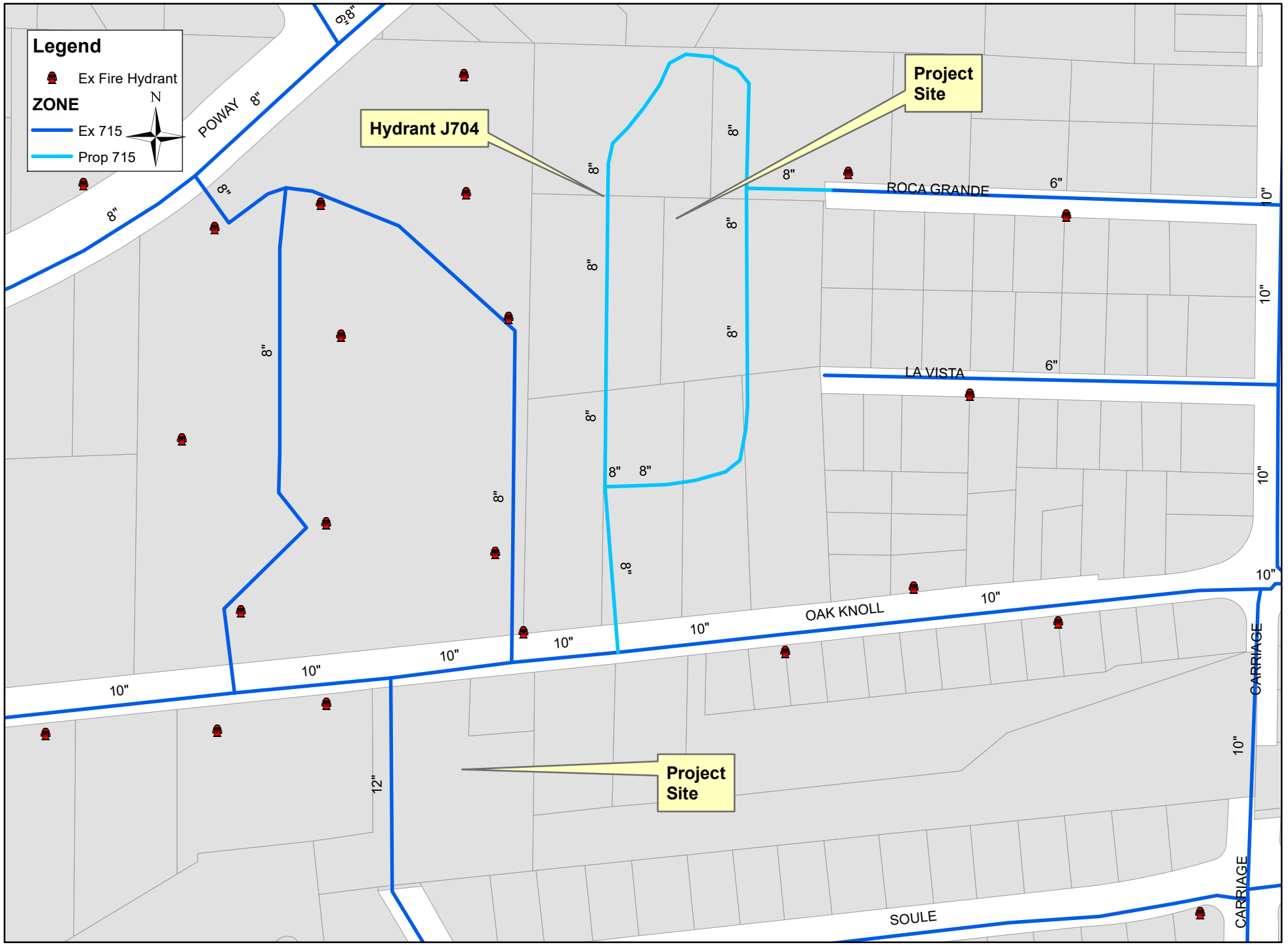
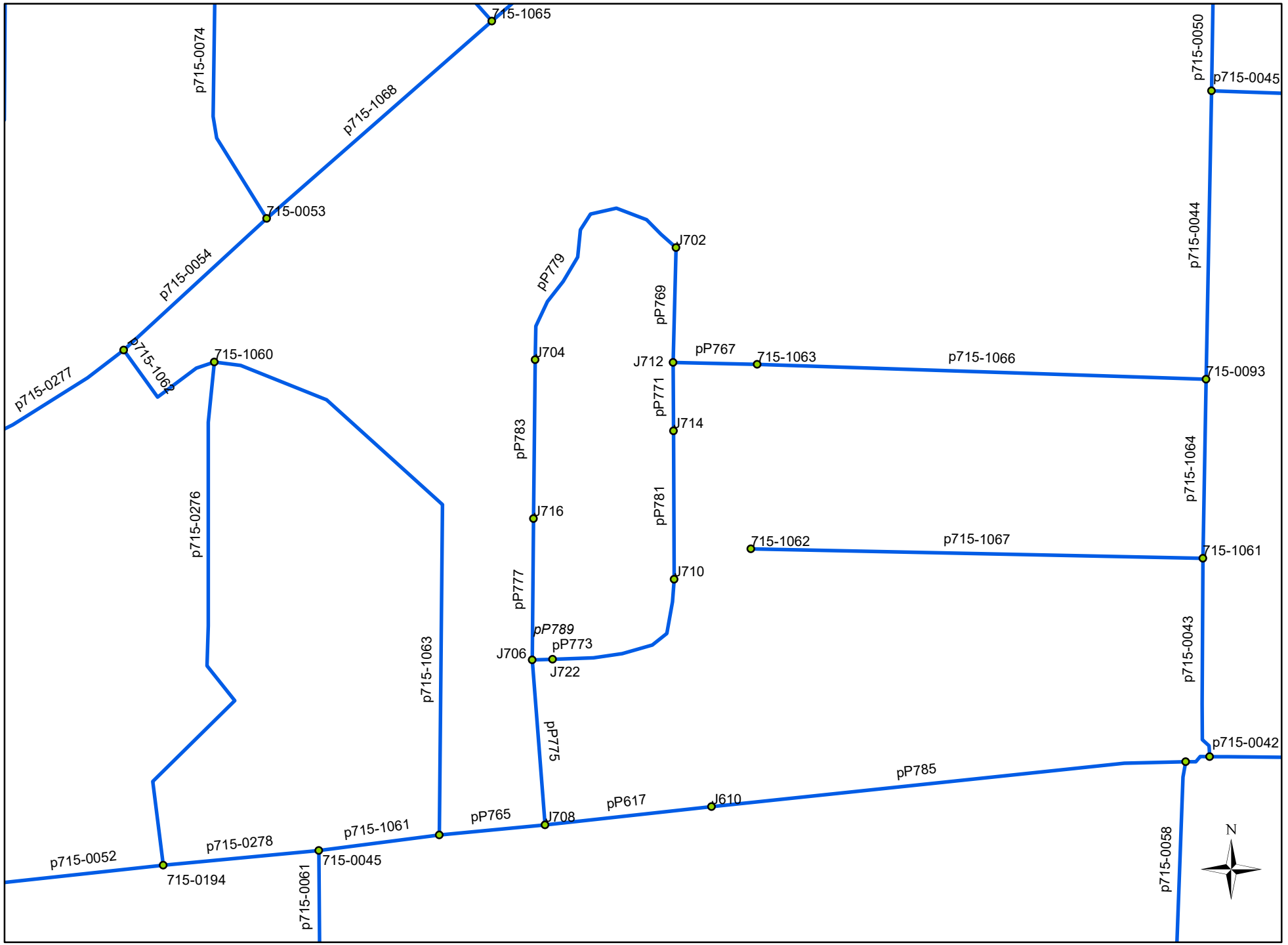


Figure 2 - Water System

Harmon Ranch Water System Analysis

APPENDIX



Pipe and Node Map

Harmon Ranch Water System Analysis

Run No. 1: Peak Hour Demand (Junction Report)

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
J706	8.0	502.0	694.0	83.2
J716	8.0	502.0	694.0	83.2
J704	0.0	502.0	694.1	83.2
J702	0.0	502.0	694.1	83.2
J722	0.0	496.6	694.0	85.5
J712	0.0	481.7	694.1	92.0
J714	8.0	472.1	694.1	96.2
715-0193	11.1	468.0	693.7	97.8
715-1063	3.8	466.9	694.1	98.5
715-1060	38.3	464.6	693.7	99.3
715-0093	6.3	464.0	694.7	100.0
715-1061	5.7	460.3	694.7	101.6
715-1062	5.8	460.0	694.7	101.7
715-0038	13.8	458.0	694.7	102.5
J718	0.0	457.8	694.6	102.6
J610	0.0	453.0	694.2	104.5
J708	0.0	451.2	694.0	105.2
J710	8.0	451.2	694.1	105.2
715-0194	116.9	450.0	693.6	105.6
715-0045	0.0	450.0	693.8	105.6
715-1059	14.5	450.0	693.9	105.7

	ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
☐	715-0051	J718	715-0038	39.5	10.0	129.0	-348.1	1.4	0.0	0.9
☐	P765	J708	715-1059	159.7	10.0	129.0	345.7	1.4	0.1	0.9
☐	715-0278	715-0045	715-0194	234.7	10.0	129.0	293.3	1.2	0.2	0.6
☐	715-0042	715-0038	715-0037	264.0	10.0	129.0	-291.7	1.2	0.2	0.6
☐	P617	J610	J708	251.4	10.0	129.0	291.2	1.2	0.2	0.6
☐	P785	J718	J610	715.7	10.0	129.0	291.2	1.2	0.5	0.6
☐	715-1066	715-1063	715-0093	674.7	6.0	129.0	-90.2	1.0	0.6	0.9
☐	715-1061	715-1059	715-0045	182.6	10.0	129.0	239.4	1.0	0.1	0.4
☐	715-0052	715-0050	715-0194	1,102.6	10.0	129.0	-213.0	0.9	0.4	0.4
☐	715-0277	715-0052	715-0193	1,096.4	8.0	129.0	-136.2	0.9	0.5	0.5
☐	715-0054	715-0053	715-0193	292.0	8.0	129.0	130.4	0.8	0.1	0.4
☐	715-0044	715-0093	715-0033	434.0	10.0	129.0	-178.1	0.7	0.1	0.3
☐	715-1063	715-1060	715-1059	910.9	8.0	130.0	-91.7	0.6	0.2	0.2
☐	P767	715-1063	J712	126.1	8.0	120.0	86.4	0.6	0.0	0.2
☐	P775	J706	J708	249.2	8.0	120.0	54.4	0.3	0.0	0.1
☐	P771	J712	J714	102.9	8.0	120.0	52.4	0.3	0.0	0.1
☐	715-1064	715-1061	715-0093	269.3	10.0	129.0	-81.6	0.3	0.0	0.1
☐	715-0043	715-1061	715-0038	303.0	10.0	129.0	70.2	0.3	0.0	0.0
☐	P781	J714	J710	223.4	8.0	120.0	44.5	0.3	0.0	0.1
☐	715-0276	715-1060	715-0194	824.6	8.0	130.0	36.5	0.2	0.0	0.0
☐	P789	J722	J706	30.8	8.0	120.0	36.5	0.2	0.0	0.0
☐	P773	J710	J722	262.0	8.0	120.0	36.5	0.2	0.0	0.0
☐	715-0058	J718	715-0039	450.9	10.0	129.0	56.9	0.2	0.0	0.0
☐	P769	J712	J702	173.0	8.0	120.0	33.9	0.2	0.0	0.0
☐	P783	J716	J704	239.1	8.0	120.0	-33.9	0.2	0.0	0.0
☐	P779	J704	J702	391.2	8.0	120.0	-33.9	0.2	0.0	0.0
☐	P777	J706	J716	212.7	8.0	120.0	-26.0	0.2	0.0	0.0
☐	715-0061	715-0045	715-0044	494.6	12.0	129.0	-53.9	0.2	0.0	0.0
☐	715-1062	715-0193	715-1060	188.2	8.0	130.0	-16.9	0.1	0.0	0.0
☐	715-1067	715-1062	715-1061	679.2	6.0	129.0	-5.8	0.1	0.0	0.0

	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
☐	J704	1,500.0	502.0	674.3	74.7
☐	J716	6.9	502.0	677.9	76.2
☐	J702	0.0	502.0	678.2	76.4
☐	J706	6.9	502.0	681.2	77.6
☐	J722	0.0	496.6	681.1	79.9
☐	J712	0.0	481.7	680.0	85.9
☐	J714	6.9	472.1	680.1	90.2
☐	715-1063	3.3	466.9	680.5	92.5
☐	715-0193	9.6	468.0	688.7	95.6
☐	715-1060	33.1	464.6	688.4	97.0
☐	715-0093	5.4	464.0	690.1	98.0
☐	J710	6.9	451.2	680.6	99.4
☐	715-1061	4.9	460.3	690.0	99.6
☐	715-1062	5.0	460.0	690.0	99.7
☐	715-0038	12.0	458.0	690.0	100.5
☐	J718	0.0	457.8	689.9	100.6
☐	J610	0.0	453.0	688.3	101.9
☐	J708	0.0	451.2	687.7	102.5
☐	715-1059	12.6	450.0	688.0	103.1
☐	715-0045	0.0	450.0	688.3	103.2
☐	715-0194	101.1	450.0	688.3	103.2

Run No. 3: MDD + 1,500 gpm Fire at Node J704 (Pipe Report)

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
P775	J706	J708	249.2	8.0	120.0	-1,123.9	7.2	6.6	26.3
P777	J706	J716	212.7	8.0	120.0	838.7	5.4	3.3	15.3
P783	J716	J704	239.1	8.0	120.0	831.8	5.3	3.6	15.1
715-1066	715-1063	715-0093	674.7	6.0	129.0	-407.0	4.6	9.6	14.2
P779	J704	J702	391.2	8.0	120.0	-668.2	4.3	3.9	10.0
P769	J712	J702	173.0	8.0	120.0	668.2	4.3	1.7	10.0
715-0051	J718	715-0038	39.5	10.0	129.0	-632.3	2.6	0.1	2.7
P767	715-1063	J712	126.1	8.0	120.0	403.7	2.6	0.5	3.9
P785	J718	J610	715.7	10.0	129.0	579.4	2.4	1.6	2.3
P617	J610	J708	251.4	10.0	129.0	579.4	2.4	0.6	2.3
715-0054	715-0053	715-0193	292.0	8.0	129.0	367.6	2.3	0.8	2.9
P765	J708	715-1059	159.7	10.0	129.0	-544.5	2.2	0.3	2.0
715-0042	715-0038	715-0037	264.0	10.0	129.0	-541.3	2.2	0.5	2.0
715-0044	715-0093	715-0033	434.0	10.0	129.0	-525.3	2.1	0.8	1.9
P773	J710	J722	262.0	8.0	120.0	-278.3	1.8	0.5	2.0
P789	J722	J706	30.8	8.0	120.0	-278.3	1.8	0.1	2.0
P781	J714	J710	223.4	8.0	120.0	-271.4	1.7	0.4	1.9
715-1061	715-1059	715-0045	182.6	10.0	129.0	-419.7	1.7	0.2	1.3
P771	J712	J714	102.9	8.0	120.0	-264.5	1.7	0.2	1.8
715-1062	715-0193	715-1060	188.2	8.0	130.0	263.6	1.7	0.3	1.5
715-0061	715-0045	715-0044	494.6	12.0	129.0	-361.4	1.0	0.2	0.4
715-1063	715-1060	715-1059	910.9	8.0	130.0	137.4	0.9	0.4	0.5
715-0277	715-0052	715-0193	1,096.4	8.0	129.0	-94.4	0.6	0.3	0.2
715-0276	715-1060	715-0194	824.6	8.0	130.0	93.0	0.6	0.2	0.2
715-1064	715-1061	715-0093	269.3	10.0	129.0	-112.8	0.5	0.0	0.1
715-0043	715-1061	715-0038	303.0	10.0	129.0	102.9	0.4	0.0	0.1
715-0052	715-0050	715-0194	1,102.6	10.0	129.0	66.3	0.3	0.0	0.0
715-0278	715-0045	715-0194	234.7	10.0	129.0	-58.3	0.2	0.0	0.0
715-0058	J718	715-0039	450.9	10.0	129.0	52.9	0.2	0.0	0.0
715-1067	715-1062	715-1061	679.2	6.0	129.0	-5.0	0.1	0.0	0.0

Appendix O

Sewer Service Analysis for the Harmon Ranch Project

DEXTER WILSON ENGINEERING, INC.

WATER • WASTEWATER • RECYCLED WATER

CONSULTING ENGINEERS

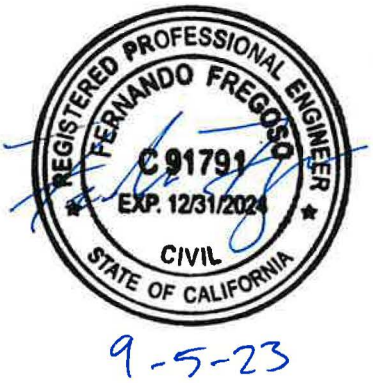
SEWER SERVICE ANALYSIS
FOR THE
HARMON RANCH PROJECT
IN THE
CITY OF POWAY

September 5, 2023

2234 FARADAY AVENUE • CARLSBAD, CA • (760) 438-4422

SEWER SERVICE ANALYSIS
FOR THE
HARMON RANCH PROJECT
IN THE
CITY OF POWAY

September 5, 2023



9-5-23

Prepared by:
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September 5, 2023

663-079

Lennar
16465 Via Esprillo, Suite 150
San Diego, CA 92127

Attention: David Shepherd, Director of Entitlements

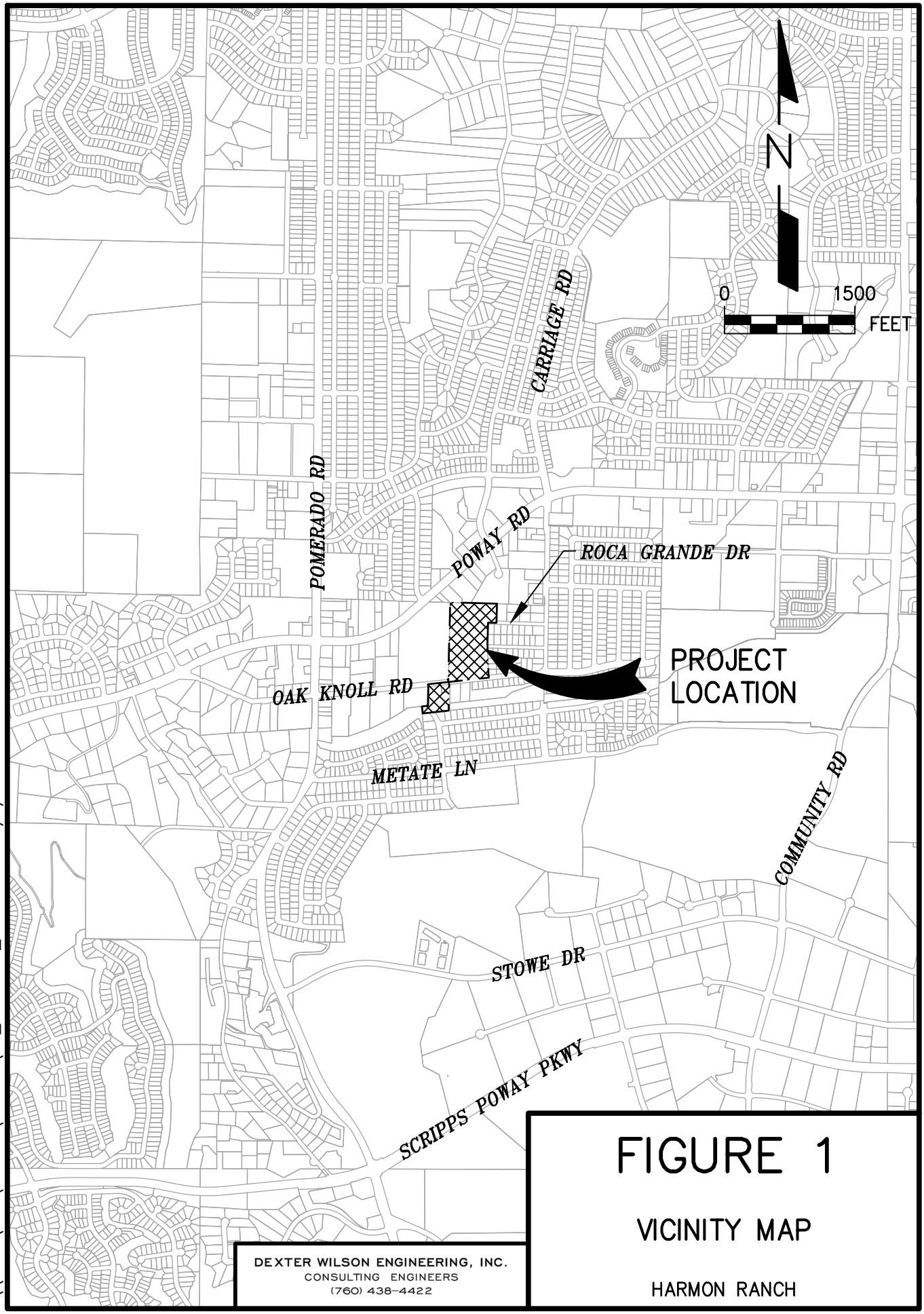
Subject: Sewer Service Analysis for the Harmon Ranch Project in the City of Poway

Introduction

This report provides an analysis of sewer service for the Harmon Ranch project. The project is located along Oak Knoll Road, south of Poway Road, and west of Carriage Road in the southwest portion of the City of Poway. Figure 1 provides a vicinity map for the project.

The project encompasses 11.5 acres and includes 64 single family detached dwelling units. Primary access to the project site is planned via existing Oak Knoll Road, and secondary emergency access is planned via Roca Grande Drive. Four of the dwelling units will be located south of Oak Knoll Road and the remaining 60 dwelling units will be located north of Oak Knoll Road. Pad elevations for the project range from 448 feet to 469 feet. Sewer service to the Harmon Ranch project will be provided by the City of Poway.

2234 FARADAY AVENUE • CARLSBAD, CA 92008 • (760) 438-4422 • FAX (760) 438-0173



\\ARTIC\DWG\663079\REPORT\OK_FIGURE-1_VCMAP.DWG 9/5/2023 3:16:44 PM LAYOUT:8x11 USER:Fernando

DEXTER WILSON ENGINEERING, INC.
CONSULTING ENGINEERS
(760) 438-4422

FIGURE 1

VICINITY MAP

HARMON RANCH

Sewer System Planning Criteria

The planning criteria used to evaluate the sewer system requirements for the Harmon Ranch project are in accordance with the City of Poway Sanitary Sewer Master Plan, dated February 2013 (City of Poway 2013 Sewer Master Plan).

Gravity Sewers. Public gravity sewer lines are to be 8-inch in diameter minimum and are to be designed for a minimum velocity of 2.0 feet per second at peak flow. Where a velocity of 2.0 feet per second cannot be achieved, a minimum pipe slope of 1.0 percent is recommended. Gravity sewer lines are evaluated using Manning's Equation with a roughness coefficient "n" of 0.013. Gravity sewers that are smaller than 18-inches in diameter are sized to convey peak dry weather flows with a maximum depth-to-diameter (d/D) radio of 0.50 and peak wet weather flows with a maximum depth-to-diameter (d/D) ratio of 0.90.

Sewer Generation and Peaking Factors

Sewer generation for the Harmon Ranch project was estimated using the sewer generation factors provided in the City of Poway 2013 Sewer Master Plan. Table 1 summarizes the sewer generation factor utilized in this study.

TABLE 1
HARMON RANCH
SEWER GENERATION FACTOR

Land Use	Sewer Generation Factor
Single Family Residential	215 gpd/DU

The City of Poway 2013 Sewer Master Plan does not have peaking factor curves. Peaking factors were determined using metering data provided in the City of Poway 2013 Sewer Master Plan as described in the subsections below.

Peak Dry Weather Peaking Factor. To convert average dry weather flow to peak dry weather flow a peaking factor of 1.67 is used. The peaking factor is based on Temporary Meter Basin B flow monitoring data which encompasses the study area of this report. Table 2 presents the calculation of the peak dry weather flow peaking factor of 1.67.

TABLE 2 PEAK DRY WEATHER FLOW (PDWF) PEAKING FACTOR CALCULATION
Average Dry Weather Flow [1] = 1.41 mgd
Peak Dry Weather Flow [2] = 2.35 mgd
PDWF Peaking Factor = 2.35/1.41 = 1.67

[1] City of Poway 2013 Master Plan Table 3-1 (see Appendix A)
[2] City of Poway 2013 Master Plan Table 4-2 (see Appendix A)

Peak Wet Weather Peaking Factor. To convert average dry weather flow to peak wet weather flow a peaking factor of 3.25 is used. Monitoring data for peak wet weather flow were not provided for Temporary Meter Basin B as the metering was short term in nature and did not capture wet weather flows. As such, the peak wet weather flow peaking factor is based on the permanent meter basin in which the study area resides, PO2. Table 3 below presents the calculation of the peak wet weather flow peaking factor of 3.25.

TABLE 3 PEAK WET WEATHER FLOW (PWWF) PEAKING FACTOR CALCULATION
Average Dry Weather Flow [1] = 4.60 mgd
Peak Wet Weather Flow [2] = 14.91 mgd
PWWF Peaking Factor = 14.91/4.60 = 3.25

[1] City of Poway 2013 Master Plan Table 3-2 (see Appendix A)
[2] City of Poway 2013 Master Plan Table 4-3 (see Appendix A)

Harmon Ranch Projected Sewer Flows

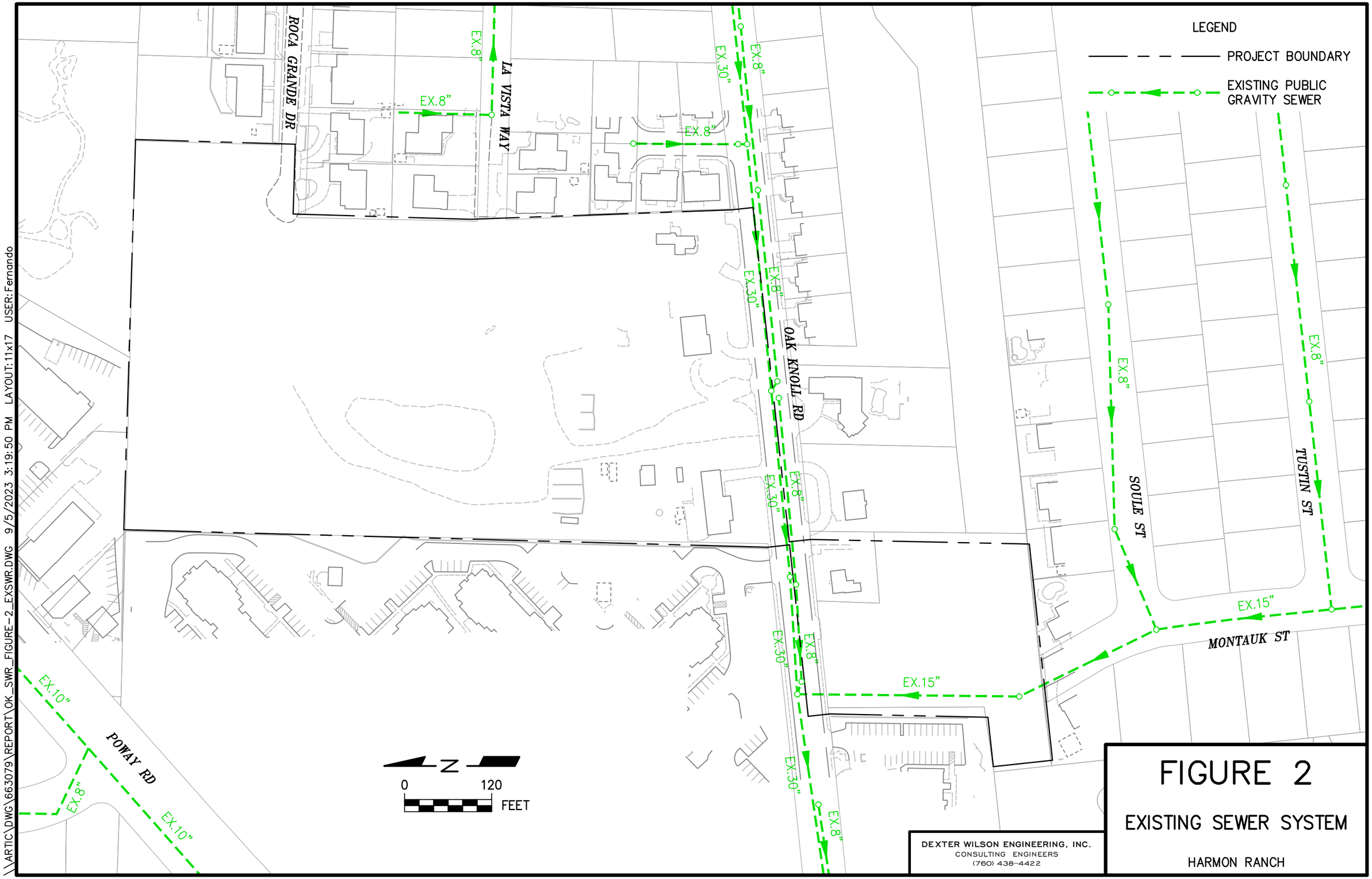
Table 4 provides the sewer flow projection for the Harmon Ranch project. As shown, the projected average flow is 13,760 gpd. The resulting projected peak flow for the project is 44,720 gpd (13,760 gpd x 3.25).

TABLE 4
HARMON RANCH
PROJECTED SEWER FLOWS

Land Use	Quantity	Unit Flow Factor	Total Average Dry Weather Flow, gpd
Residential	64 units	215 gpd/unit	13,760
TOTAL	-	-	**13,760**

Existing Sewer System

Figure 2 presents the existing sewer system in the vicinity of the project. Fronting the project in Oak Knoll Road there are existing 8-inch public gravity sewer lines and a 30-inch public trunk sewer. The existing 8-inch public gravity sewer lines convey sewer flows from existing residences along Oak Knoll Road from east to west and tie into the existing 30-inch public trunk sewer. The 30-inch trunk sewer conveys flow west in Oak Knoll Road to Pomerado Road.



\\ARTIC\DWG\663079\REPORT\OK_SWR_FIGURE-2_EXSWR.DWG 9/5/2023 3:19:50 PM LAYOUT:11x17 USER:Fernando

FIGURE 2

EXISTING SEWER SYSTEM

HARMON RANCH

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Proposed Sewer System

Figure 3 presents the proposed onsite public sewer system for the Harmon Ranch project. As shown in Figure 3, 8-inch public gravity sewer lines are proposed onsite to serve 59 of the 60 dwelling units north of Oak Knoll Road; the last unit north of Oak Knoll Road is an existing Historic Home that will maintain its existing sewer service connection to the existing 8-inch sewer line near the southeast corner of the project in Oak Knoll Road.

The proposed 8-inch public sewer lines onsite will convey sewage south from 59 dwelling units north of Oak Knoll Road to the existing 8-inch public sewer line near the southwest corner of the project in Oak Knoll Road. The 4 lots south of Oak Knoll Road will make individual lateral connections to the same existing 8-inch public sewer line near the southwest corner of the project in Oak Knoll Road. The existing 8-inch public sewer lines near the southeast and southwest corners of the project convey sewage west to the existing 30-inch public trunk sewer in Oak Knoll Road.

Sewer System Analysis

To analyze the impact of the Harmon Ranch project on the existing offsite sewer system the sewer system was analyzed under existing flow conditions and under existing flows plus proposed flow from the Harmon Ranch project. The proposed onsite public sewer lines were not evaluated in this report as improvement plans are not available at this time. The proposed onsite public sewer lines will be designed to maintain a velocity of 2.0 feet per second at peak flow. If 2.0 feet per second cannot be achieved, a minimum pipe slope of 1.0 percent will be provided. Analysis of the existing 30-inch public trunk sewer is outside of the scope of this report.

Existing flows analyzed for the existing system include three single family homes with an estimated average sewer generation of 215 gpd/unit. Existing sewer system as-builts provided in Appendix B were utilized for the analysis.

LEGEND

PROJECT BOUNDARY

EXISTING PUBLIC GRAVITY SEWER

PROPOSED PUBLIC GRAVITY SEWER

ROCA GRANDE DR

LA VISTA WAY

EX.8"

EX.30"

PVT ST 'A'

PVT ST 'B'

PVT ST 'C'

PVT ST 'D'

8"

OAK KNOLL RD

CONNECT TO EXISTING 8" SEWER LINE

SOULE ST

TUSTIN ST

EX.15"

MONTAUK ST

POWAY RD

EX.10"

N

0 120 FEET

FIGURE 3

PROPOSED SEWER SYSTEM

HARMON RANCH

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\\ARTIC\DWG\663079\REPORT\OK_SWR_FIGURE-3_PROSWR.DWG 9/5/2023 3:34:12 PM LAYOUT:11x17 USER:Fernando

Existing System Under Existing Flows. Appendix C presents the results of the existing sewer system analysis under existing flows. Exhibit A presents a Manhole Diagram for the system. The results for this analysis show that under existing flows the existing 8-inch public sewer line in Oak Knoll Road has a maximum depth-to-diameter ratio of 0.04. Flow velocities range from 0.6 fps to 0.8 fps.

Existing System Under Existing Plus Project Flows. Appendix D presents the results of the existing and proposed sewer system analysis under existing flow plus project flow. Exhibit A presents a Manhole Diagram for the system. The results for this analysis show that under existing plus project flows the existing 8-inch public sewer line in Oak Knoll Road increase from a maximum depth-to-diameter ratio of 0.04 to a maximum depth-to-diameter ratio of 0.16. Flow velocities in the existing system range from 1.8 fps to 1.9 fps under existing plus project flows.

Based on the results of the sewer analysis, the existing 8-inch public sewer line in Oak Knoll Road has adequate capacity for the Harmon Ranch project.

Conclusions and Recommendations

The following conclusions and recommendations are presented based on the sewer system analysis prepared for the Harmon Ranch project.

1. Sewer service to the Harmon Ranch project will be provided by the City of Poway.

2. The proposed sewer system for the Harmon Ranch project is presented in Figure 2.

3. To serve 59 of the 60 dwelling units north of Oak Knoll Road, 8-inch public gravity sewer lines are proposed onsite; the last unit north of Oak Knoll Road is an existing Historic Home that will maintain its existing sewer service connection to the existing 8-inch sewer line near the southeast corner of the project.

4. The 4 lots south of Oak Knoll Road will make individual lateral connections to the existing 8-inch public sewer line near the southwest corner of the project in Oak Knoll Road.

5. The existing offsite gravity sewer system analysis shows that the existing 8-inch public sewer line in Oak Knoll Road has adequate capacity for the Harmon Ranch project.

6. The proposed public sewer lines onsite shall be designed to meet all City of Poway requirements. Final design will be reflected on the improvement plans to be submitted for review and approval.

Thank you for the opportunity to provide sewer system planning services for this project. Please feel free to contact us to further discuss any aspect of the information presented in this sewer service analysis for the Harmon Ranch project.

Dexter Wilson Engineering, Inc.

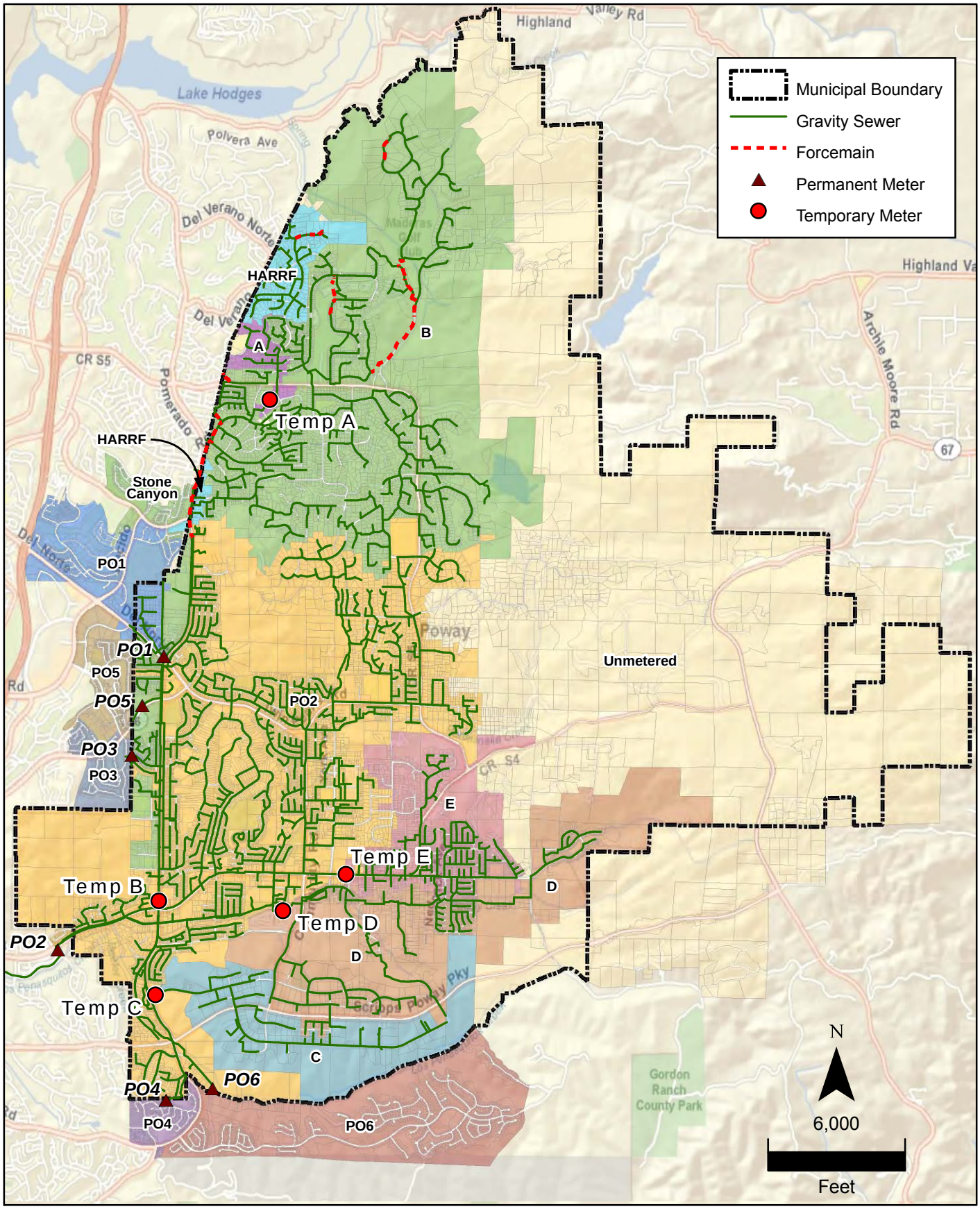
Fernando Fregoso, P.E.

FF:ah

Attachments

APPENDIX A

CITY OF POWAY
2013 SEWER MASTER PLAN EXCERPTS
PEAKING FACTOR BACKUP DATA



Flow Meter Locations

Figure 3-1

2/5/2013 LH SD Z:\Projects\IS\Poway\mxd\21812_PSMP_FlowMonitorLoc_F3-1.mxd

ATKINS

City of Poway
Sanitary Sewer Master Plan
February 2013

Chapter 3 Wastewater Generation Analysis

This chapter provides a description of the wastewater generation including:

- Existing flow meter data summary;
- Methodology for developing unit generation rates;
- Recommended unit generation rates;
- Estimated future wastewater flows; and
- Metro capacity needs.

3.1 Flow Meters

As described in Section 2.6, most of Poway's sewer flows are conveyed within the City of San Diego Metro System for disposal at either the NCWRP and/or the PLWTP. Poway's current contracted conveyance capacity within the Metro System is 5.05 million gallons per day (mgd). Sewage generated in the Pomerado and Old Winery basins are conveyed north westerly into Muni's East Bernardo Trunk Sewer and are ultimately conveyed to HARRF. Poway has 5.894 mgd of contracted treatment capacity within the Metro system, including 0.05 mgd of treatment capacity at HARRF.

The existing sanitary sewer system has one permanent flow meter located at the downstream end of the Poway system (Meter PO-2) and five permanent flow meters where City of San Diego flows are metered into the Poway sanitary sewer system. The permanent meters are maintained by the City of San Diego through their contractor ADS Environmental Services (ADS). To help characterize wastewater flows throughout the system, five temporary flow meters were placed strategically throughout Poway's sanitary sewer system to monitor flows from internal Poway areas. ADS monitored these locations for a 14-day period, from November 11 through November 24, 2011. Table 3-1 summarizes the average daily metered flow at the permanent and the temporary meters with viable data. Figure 3-1 presents the locations of the permanent and temporary meters. The ADS flow metering report and meter data are included in Appendix B.

Table 3-1 Sanitary Sewer Flows by Meter

Meter Name	Monitoring Period	Metered Average Flow (mgd)
PO1	Dec 1, 2010 - Nov 30, 2011	0.44
PO3	Dec 1, 2010 - Nov 30, 2011	0.12
PO5	Dec 1, 2010 - Nov 30, 2011	0.23
PO4	Dec 1, 2010 - Nov 30, 2011	0.15
PO6	Dec 1, 2010 - Nov 30, 2011	0.19
Meter C	Nov 11, 2011 - Nov 24, 2011	0.14
Meter D	Nov 11, 2011 - Nov 24, 2011	0.36
Meter E	Nov 11, 2011 - Nov 24, 2011	0.26
Meter B	Nov 11, 2011 - Nov 24, 2011	1.41
Meter A	Nov 11, 2011 - Nov 24, 2011	0.06
PO2	Dec 1, 2010 - Nov 30, 2011	4.60

mgd = million gallons per day

3.1.1 Metered Sewer Basins

Meter basins were delineated for all of the installed temporary and permanent flow meters and encompass all of Poway's existing connected wastewater customers. Wastewater flows generated within each meter basin were estimated from the average flows observed at each meter. In some basins, this required the deduction of flows from upstream meters. Table 3-2 summarizes the meter basins, the estimated average flow and a description of each basin. Figure 3-2 presents a flow schematic of the meter basins and flow meters in Poway's sanitary sewer system.

Table 3-2 Poway Metered Sewer Flows by Basin

Meter Name	Description	Metered Average Flow (mgd)
San Diego Basin		
PO1	San Diego West (includes La Manda area)	0.44
PO3	San Diego West	0.12
PO4	San Diego West	0.15
PO5	San Diego South	0.23
PO6	San Diego South	0.19
City Metro Basin		
Meter C	Poway Business Park	0.14
Meter D	South East Poway/ Business Park	0.36
Meter E	South East Poway	0.26
Meter B	Pomerado/ North Poway	1.41
Camino del Valle	Camino del Valle LS (pumps to Meter B)	0.62
Meter A	North Poway	0.06
PO2	Central Poway	4.60

mgd = million gallons per day
Note: Flow meter data from November 11-25, 2011.

The study area is comprised of three major sewer basins, shown in Figure 3-3: San Diego flows to Poway (San Diego Basin), Poway flows treated by HARRF (Poway HARRF Basin), and Poway flows to the Metro System (City Metro Basin). The San Diego Basin is monitored by three flow meters along the western portion of Poway (PO-1, PO-3, and PO-5) and two additional meters along the southern boundary of Poway (PO-4 and PO-6). The Poway HARRF Basin is not metered but includes two house count areas for estimating flow contributions, Old Winery and Pomerado. The Poway Metro Basin is monitored at meter PO-2, located on Poway Road west of Poway's boundary prior to entering the City of San Diego's Penasquitos Trunk Sewer.

4.8 Model Calibration

The model was calibrated by refining estimated model parameters under dry and wet weather conditions so that the simulated model flow conditions reasonably approximated the measured flow conditions. Diurnal curves were adjusted for the dry weather calibration such that simulated and recorded wastewater flow and depth hydrographs matched to within a reasonable level of accuracy. Infiltration and routing coefficients were adjusted in the wet weather calibration such that simulated and recorded wastewater peak flows matched to within a reasonable level of accuracy.

4.8.1 Dry Weather Calibration

The model was calibrated to dry-weather meter data recorded during the temporary monitoring period of November 11-25, 2011 at both the permanent and temporary flow meters. November 11, 2011 was chosen for calibration since no rain events were observed and flows were indicative of typical dry weather flow patterns. Peak flow calibration was based on the highest observed flow recorded in that month. Simulated flow hydrographs at each meter location were compared with recorded discharge measurements. The purpose of the comparison was to allow for refinement of estimated model parameters so that the simulated flow conditions reasonably approximated the measured flow conditions. These parameters generally include diurnal curve patterns and peak to average flow ratios (peaking factors).

Results of the dry weather calibration are best presented graphically, and are shown in Figures 4-4 through 4-14. The typical range of sewer volume and peak flows for dry weather model calibration is within +/– 10 percent of field measurements for master planning purposes. Table 4-2 summarizes the results of the dry weather calibration.

Table 4-2 Dry Weather Calibration Summary

Meter Name	Description	Observed Peak Flow (mgd)	Modeled Peak Flow (mgd)
San Diego Basin			
PO1	San Diego West (includes La Manda area)	0.96	0.80
PO3	San Diego West	0.25	0.27
PO4	San Diego West	0.43	0.49
PO5	San Diego South	0.28	0.29
PO6	San Diego South	0.37	0.34
Poway Metro Basin			
Meter C	Poway Business Park	0.13	0.14
Meter D	South East Poway/ Business Park	0.48	0.55
Meter E	South East Poway	0.49	0.46
Meter B	Pomerado/ North Poway	2.35	2.37
Meter A	North Poway	0.09	0.10
PO2	Central Poway	6.89	6.32

mgd = million gallons per day

Table 4-3 Wet Weather Calibration Summary

Meter Name	Description	Observed Peak Flow (mgd)	Modeled Flow (mgd)
PO1	San Diego West (includes La Manda area)	1.22	1.22
PO3	San Diego West	0.30	0.31
PO4	San Diego West	1.11	1.11
PO5	San Diego South	0.33	0.34
PO6	San Diego South	1.31	1.31
PO2	Central Poway	14.91	14.86

mgd = million gallons per day

Based on typical master planning calibration criteria, the hydraulic model is within acceptable ranges when compared to metered flow data and observed rainfall data. The model is considered a calibrated model and can be used for future planning scenarios.

4.9 Capacity Analysis

A capacity analysis of the existing collection system was performed under existing and forecasted dry and wet weather flow conditions. Model simulations were performed for the recommended 2030 wastewater generation, discussed in Chapter 3, in order to identify potential improvement projects. The identified improvement projects were then sized to accommodate the 2050 flow projections. Projects were evaluated under the existing wastewater flows to identify project priority and phasing. Identified improvement projects were also evaluated against operational concerns, such as lift station deficiencies, odor problems, and known high-frequency maintenance areas. These projects and operational concerns are presented in Chapter 5 to form the Capital Improvement Plan presented in Chapter 6.

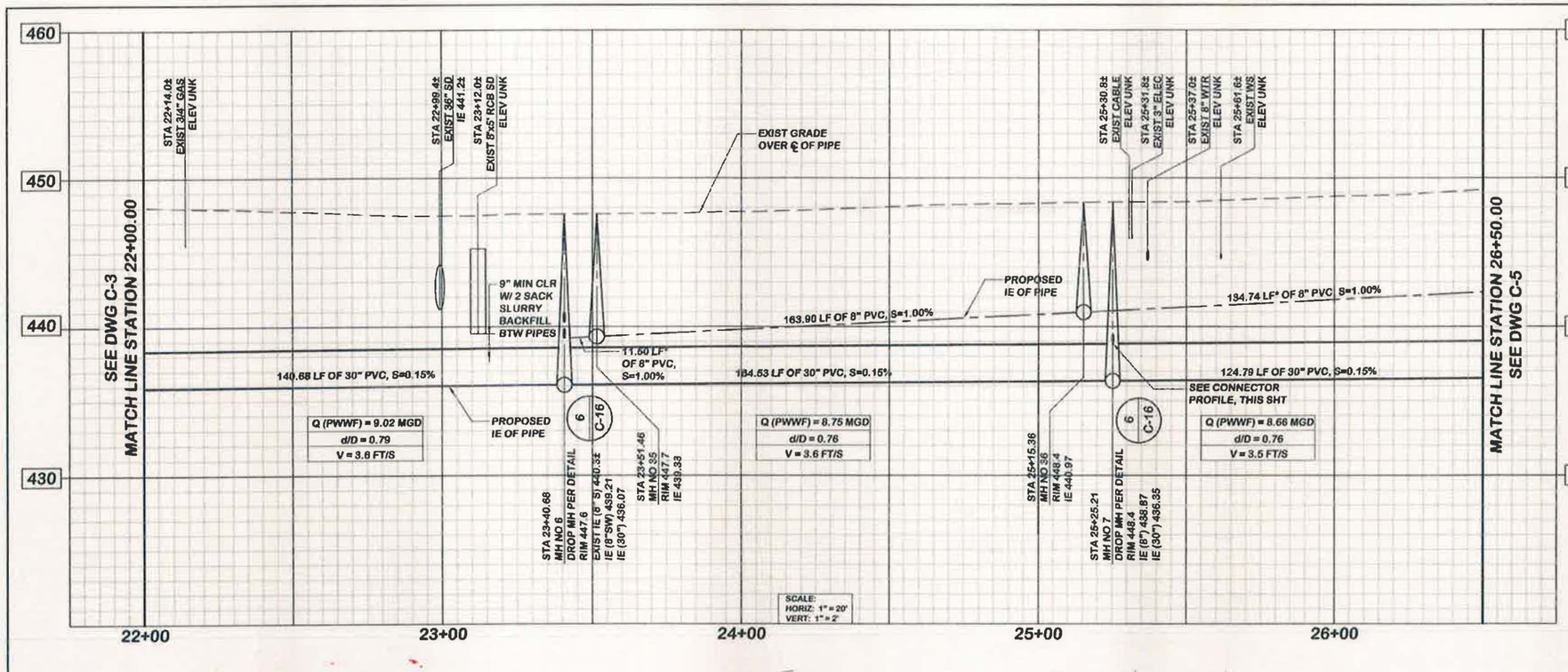
4.9.1 Lift Stations and Force Mains

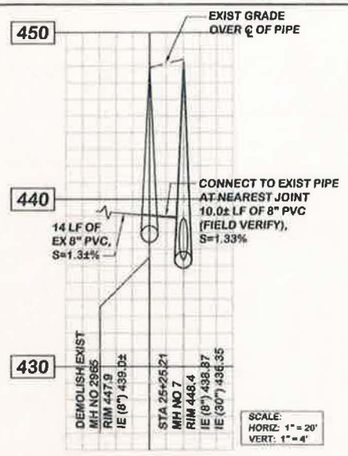
The lift stations and force mains owned and operated by Poway were evaluated under existing and projected wastewater flows based upon the criteria listed in Table 4-1. Table 4-4 summarizes the existing and future lift station pump capacities. Table 4-5 summarizes the existing and future lift station force main capacities.

Atkins reviewed lift station SCADA data for the November 11-25, 2011 and December 20-22, 2010 periods to evaluate pump performance and determine the firm pumping capacity of each lift station. Firm capacity is considered to be the maximum pumping capacity observed from SCADA data at a lift station with one pump out of service. Most of the lift stations were found to operate within the expected system head curves; however, the Camino del Valle LS data showed that pumps were operating at nearly twice the design point flows during the storm event. System head curves were compared to pump curves for each lift station and are presented in Appendix E.

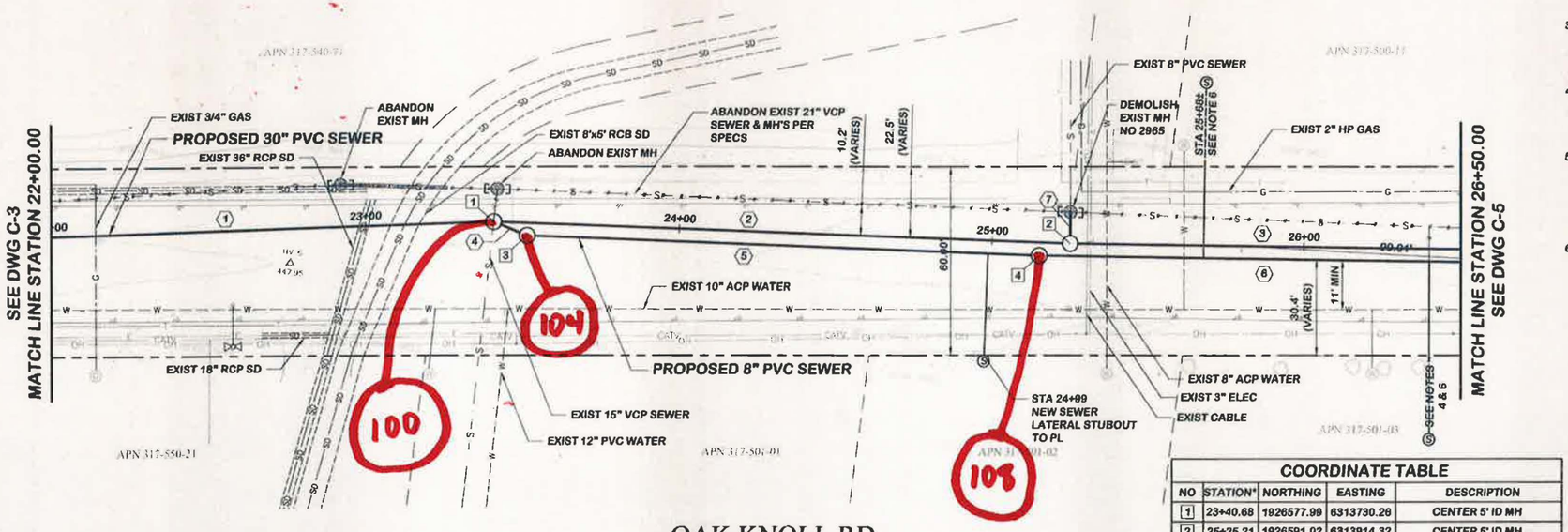
APPENDIX B

EXISTING SEWER SYSTEM AS-BUILT DRAWINGS





CONNECTOR PROFILE
TO MH NO 7



NOTES:

1. UTILITY INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS OR UTILITY MAPS. VERTICAL ELEVATIONS ARE UNKNOWN. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY. SEE ADDITIONAL POTHOLING REQUIREMENTS ON SHEET G-2.
2. UTILITY INFORMATION OBTAINED FROM POTHOLING. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY. SEE ADDITIONAL POTHOLING REQUIREMENTS ON SHEET G-2.
3. LOCATION OF EXIST GAS SERVICES ARE UNKNOWN. CONTRACTOR SHALL CALL USA DIG ALERT FOR MARKOUTS AND SHALL COORDINATE WITH UTILITY OWNERS AS NECESSARY AND SHALL POTHOLE TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO PERFORMING THE WORK.
4. LOCATION OF SEWER LATERAL IS UNKNOWN. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY.
5. CONTRACTOR SHALL RECONNECT ALL EXIST SEWER LATERALS TO NEW 8" COLLECTOR SEWER PER CITY OF POWAY STD DWG PS-13. CONTRACTOR SHALL INSTALL ALL NEW LATERALS AND MATERIALS FROM THE NEW COLLECTOR MAIN TO THE PROPERTY LINE AND SHALL MAKE CONNECTIONS TO EXISTING LATERALS WITH NEW ROMAC COUPLING, OR EQUAL, WITH 316 SS HARDWARE AND FUSION BONDED EPOXY LINING AND COATING.
6. EXIST SEWER LATERALS FROM THE PROPERTIES ALONG THE SOUTH OF OAK KNOLL ROAD MAY REQUIRE TEMPORARY RELOCATIONS PER DETAIL 2 ON SHEET C-17 TO ALLOW THE NEW CONSTRUCTION OF THE NEW TRUNK SEWER AND COLLECTOR MAINS. OTHERWISE, ALL EXISTING SEWER LATERALS SHALL BE PROTECTED IN PLACE AND SHALL REMAIN IN SERVICE AT ALL TIMES UNTIL THEY ARE RECONNECTED TO NEW COLLECTOR MAIN PER THE PHASING PLAN ON SHEET G-3.

DATA TABLE

◯	△/BEARING	R	L	T	DESCRIPTION
1	N82°05'05"E	-	140.68	-	30" PVC SEWER
2	N85°57'01"E	-	184.53	-	30" PVC SEWER
3	N84°38'20"E	-	124.79	-	30" PVC SEWER
4	S73°41'17"E	-	11.50**	-	8" PVC SEWER
5	N86°01'25"E	-	163.90	-	8" PVC SEWER
6	N84°40'34"E	-	134.74**	-	8" PVC SEWER
7	S05°33'42"E	-	10.00	-	8" PVC SEWER

** ACTUAL LENGTH DOES NOT CORRESPOND TO STATIONING DUE TO OFFSET FROM 30" PVC SEWER

COORDINATE TABLE

NO	STATION*	NORTHING	EASTING	DESCRIPTION
1	23+40.68	1926577.99	6313730.26	CENTER 5' ID MH
2	25+25.21	1926591.02	6313914.32	CENTER 5' ID MH
3	23+51.46	1926574.76	6313741.29	CENTER 5' ID MH
4	25+15.36	1926586.13	6313904.79	CENTER 5' ID MH

* STATIONING SHOWN IS ALONG 30" PVC SEWER

RECORD DRAWING
Contract ____ Date ____
Approved ____ Date ____

SCALE: 1" = 20'
0 10' 20'

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THE INFORMATION IS NOT GUARANTEED AS CORRECT, ACCURATE, OR COMPLETE. USERS OF THIS RECORD DRAWING ARE ADVISED TO PERFORM INDEPENDENT VERIFICATION OF ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Infrastructure ENGINEERING CORPORATION
14271 Danielson Street
Poway, California 92064
T 858.413.2400 F 858.413.2440
www.iecorporation.com

REGISTERED PROFESSIONAL ENGINEER — STEVE M. LEWIS — No. C63255 Exp. 6-30-10 — CIVIL — STATE OF CALIFORNIA

CITY APPROVED CHANGES			
No.	Description	Approved By	Date
	RECORD DRAWING REVISIONS	SML	4/09

DESIGNED	RTI	
DRAWN	RTI	
CHECKED	SML	DATE

BENCH MARK
DESCRIPTION: CITY OF POWAY BENCHMARK #A-7, 2" DIA. BRASS DISC STAMPED "POWAY A-7" IN THE TOP OF CURB
LOCATION: NORTH POINT OF CURVE OF NORTHWEST CURB RETURN OF POMERADO ROAD AND OAK KNOLL ROAD APPROXIMATELY 700 FT SOUTHERLY OF POWAY ROAD
RECORDED FROM:
1986 ADJUSTED ELEVATION: 445.325' DATUM: NGVD 29

Sheet C-4 | CITY OF POWAY, Department of Development Services | 7 of 28 Sheets

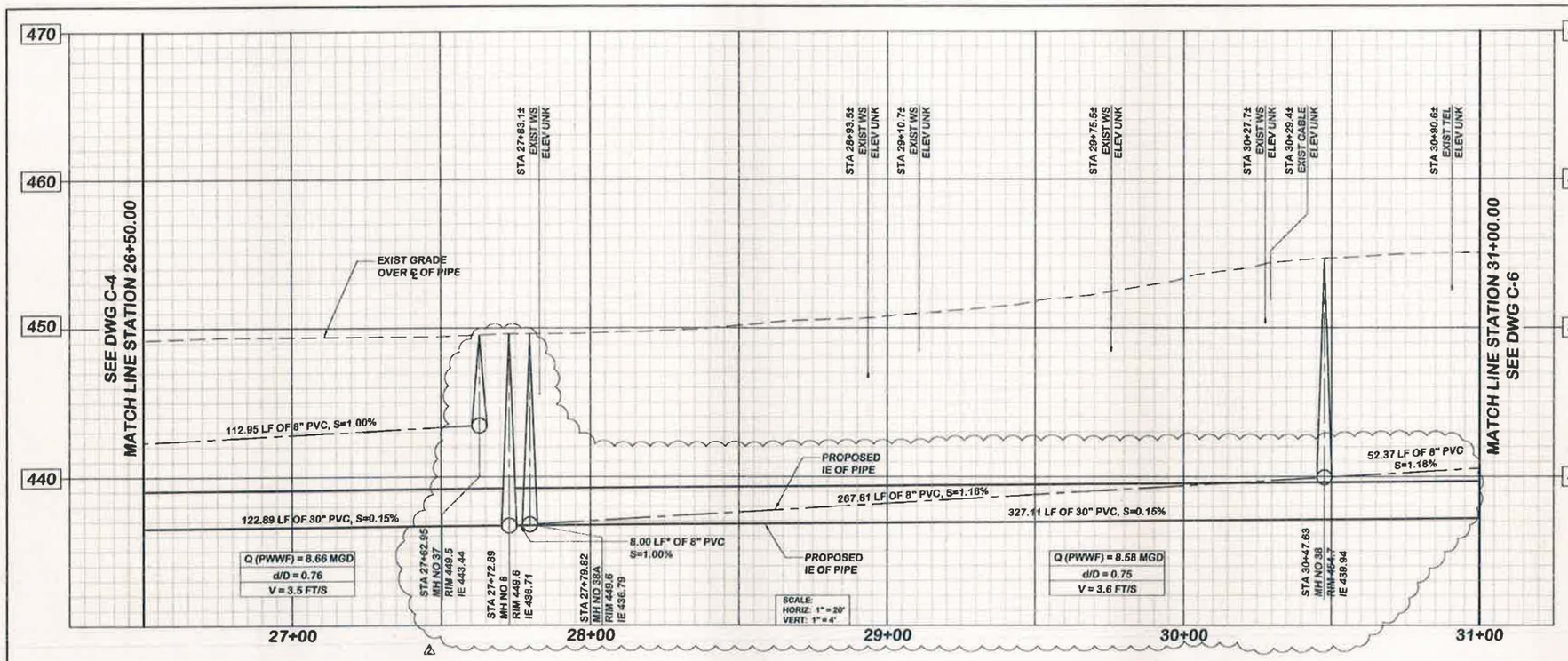
OAK KNOLL TRUNK SEWER REPLACEMENT
TRUNK & COLECTOR SEWER PLAN AND PROFILE
STA 22+00.00 TO STA 26+50.00
California Coordinate Index

Approved by City Engineer — Date
Frank D. Costeleneto R.C.E. 27748 EXP. 03-31-10 — 10/1/09

Approved by City Engineer — Date
Frank D. Costeleneto R.C.E. 27748 EXP. 03-31-10

PROJECT NUMBER: 5806

P:\Projects\PWY 0037\0003 (Oak Knoll Trunk Sewer)\CADD\REC DWG REVS\C-04-PP.dwg 08/05/2009 13:40



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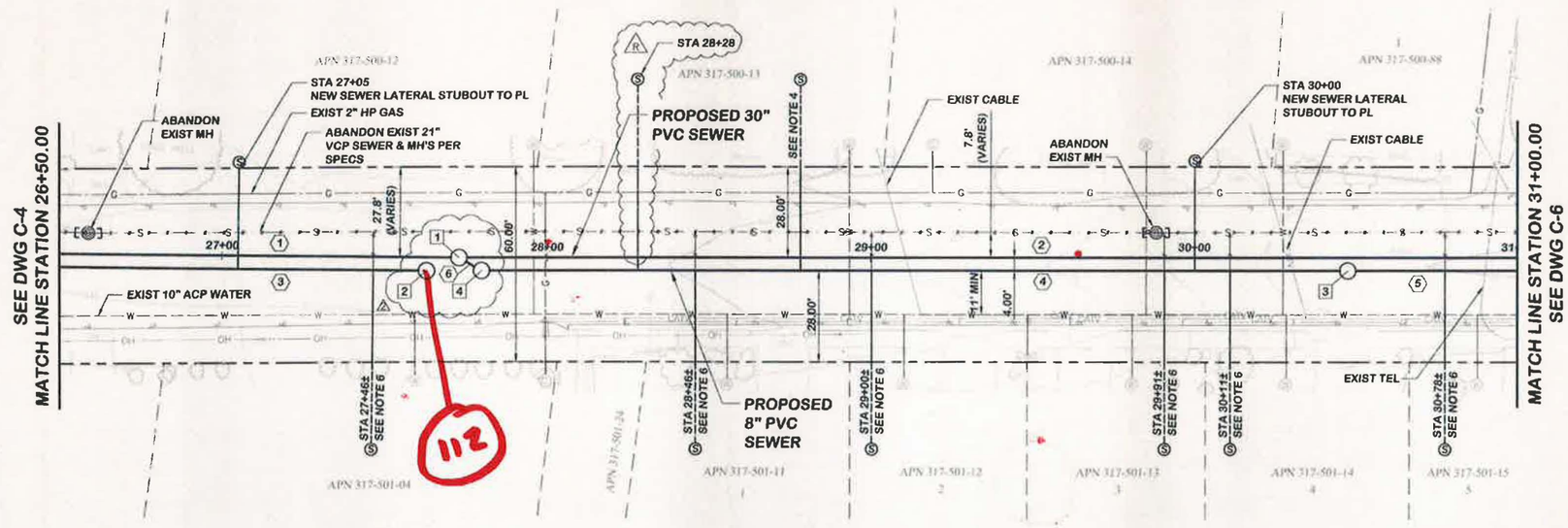
1. UTILITY INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS OR UTILITY MAPS. VERTICAL ELEVATIONS ARE UNKNOWN. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY. SEE ADDITIONAL POTHOLING REQUIREMENTS ON SHEET G-2.
2. UTILITY INFORMATION OBTAINED FROM POTHOLING. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY. SEE ADDITIONAL POTHOLING REQUIREMENTS ON SHEET G-2.
3. LOCATION OF EXIST GAS SERVICES ARE UNKNOWN. CONTRACTOR SHALL CALL USA DIG ALERT FOR MARKOUTS AND SHALL COORIDINATE WITH UTILITY OWNERS AS NECESSARY AND SHALL POTHOLE TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO PERFORMING THE WORK.
4. LOCATION OF SEWER LATERAL IS UNKNOWN. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND BEARING AND INCLINATIONS SUFFICIENTLY AHEAD OF SCHEDULE TO ALLOW TIME FOR DESIGN REVISIONS IF NECESSARY.
5. CONTRACTOR SHALL RECONNECT ALL EXIST SEWER LATERALS TO NEW 8" COLLECTOR SEWER PER CITY OF POWAY STD DWG PS-13. CONTRACTOR SHALL INSTALL ALL NEW LATERALS AND MATERIALS FROM THE NEW COLLECTOR MAIN TO THE PROPERTY LINE AND SHALL MAKE CONNECTIONS TO EXISTING LATERALS WITH NEW ROMAC COUPLING, OR EQUAL, WITH 316 SS HARDWARE AND FUSION BONDED EPOXY LINING AND COATING.
6. EXIST SEWER LATERALS FROM THE PROPERTIES ALONG THE SOUTH OF OAK KNOLL ROAD MAY REQUIRE TEMPORARY RELOCATIONS PER DETAIL 2 ON SHEET C-17 TO ALLOW THE NEW CONSTRUCTION OF THE NEW TRUNK SEWER AND COLLECTOR MAINS. OTHERWISE, ALL EXISTING SEWER LATERALS SHALL BE PROTECTED IN PLACE AND SHALL REMAIN IN SERVICE AT ALL TIMES UNTIL THEY ARE RECONNECTED TO NEW COLLECTOR MAIN PER THE PHASING PLAN ON SHEET G-3.



OAK KNOLL RD

COORDINATE TABLE

NO	STATION*	NORTHING	EASTING	DESCRIPTION
1	27+72.89	1926614.16	6314160.92	CENTER 5' ID MH
2	27+62.95	1926609.11	6314151.41	CENTER 5' ID MH
3	30+47.63	1926639.80	6314434.50	CENTER 5' ID MH
4	27+79.82	1926610.93	6314168.24	CENTER 5' ID MH

* STATIONING SHOWN IS ALONG 30" PVC SEWER

DATA TABLE

	△/BEARING	R	L	T	DESCRIPTION
1	N84°38'20"E	-	122.89	-	30" PVC SEWER
2	N83°48'43"E	-	327.11	-	30" PVC SEWER
3	N84°40'34"E	-	112.95	-	8" PVC SEWER
4	N83°48'43"E	-	284.68	-	8" PVC SEWER
5	N83°48'43"E	-	52.37	-	8" PVC SEWER
6	N66°11'17"W	-	8.00**	-	8" PVC SEWER

** ACTUAL LENGTH DOES NOT CORRESPOND TO STATIONING DUE TO OFFSET FROM 30" PVC SEWER

SCALE: 1" = 20'
0 10' 20'

RECORD DRAWINGS
Checked Date
Approved Date

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THE INFORMATION IS NOT GUARANTEED AS CORRECT, ACCURATE, OR COMPLETE. USERS OF THIS RECORD DRAWING ARE ADVISED TO PERFORM INDEPENDENT VERIFICATION OF ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

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REGISTERED PROFESSIONAL ENGINEER — KATIA M. LEMOS — No. 56255 Exp. 6-30-10 — CIVIL — STATE OF CALIFORNIA

CITY APPROVED CHANGES			
No.	Description	Approved By	Date
2	COLLECTOR SEWER REALIGNMENT	IEC	9/17/08
1	RECORD DRAWING REVISIONS	SML	4/09

DESIGNED	RTI	
DRAWN	RTI	
CHECKED	SML	DATE

BENCH MARK
DESCRIPTION: CITY OF POWAY BENCHMARK #A-7, 2" DIA. BRASS DISC STAMPED "POWAY A-7" IN THE TOP OF CURB
LOCATION: NORTH POINT OF CURVE OF NORTHWEST CURB RETURN OF POMERADO ROAD AND OAK KNOLL ROAD APPROXIMATELY 700 FT SOUTHERLY OF POWAY ROAD
RECORDED FROM:
1986 ADJUSTED ELEVATION: 445.325' DATUM: NGVD 29

Sheet C-5 R

CITY OF POWAY
Department of Development Services

8 of 28 Sheets

OAK KNOLL TRUNK SEWER REPLACEMENT
TRUNK & COLECTOR SEWER PLAN AND PROFILE
STA 26+50.00 TO STA 31+00.00
California Coordinate Index

Approved by City Engineer	Date
Frank D. Costeleneto R.C.E. 27748 EXP. 03-31-10	10/1/09
Approved by City Engineer	Date
Frank D. Costeleneto R.C.E. 27748 EXP. 03-31-10	

PROJECT NUMBER: 5806

G:\Projects\PWAY 00037\0503 (Oak Knoll Trunk Sewer)\CAD\SEC DWG REVS\C-05-PP - REVISION.dwg 08/05/2009 13:41

APPENDIX C

SEWER SYSTEM ANALYSIS
EXISTING SEWER SYSTEM
EXISTING FLOWS

DATE: 7/21/2022

SEWER STUDY SUMMARY

FOR: Harmon Ranch - Existing Sewer System, Existing Flows

SHT 1 OF 1

JOB NUMBER: 663-079

BY: Dexter Wilson Engineering, Inc.

REFER TO PLAN SHEET

LINE	FROM	TO	LENGTH (ft)	IN-LINE DUs	TOTAL DUs	SEWAGE PER DU/DAY (gpd/DU)	AVG. DRY WEATHER FLOW (gpd)	PEAKING FACTOR	PEAK FLOW (gpd)	PEAK FLOW (DESIGN FLOW)		LINE SIZE (inches)	DESIGN SLOPE (%)	DEPTH K' (1)	dn (feet)	dn/D(2)	C_a for Velocity(3)	VELOCITY (f.p.s.)
										M.G.D.	C.F.S.							
	112	108		2.00	2.00	215	430	3.25	1,398	0.001	0.002	8	1.0	0.000829	0.02093	0.03	0.0074	0.66
	108	104		1.00	3.00	215	645	3.25	2,096	0.002	0.003	8	1.0	0.001243	0.02524	0.04	0.0097	0.75
	104	100		0.00	3.00	215	645	3.25	2,096	0.002	0.003	8	1.0	0.001243	0.02524	0.04	0.0097	0.75

Total EDUS
3.0

Min Slope
1.00

Max dn/D
0.04

1 K' based on n = 0.013
2 dn/D using K' in Brater King Table 7-14
3 From Brater King Table 7-4 based on dn/D

APPENDIX D

SEWER SYSTEM ANALYSIS
EXISTING SEWER SYSTEM
EXISTING PLUS PROJECT FLOWS

DATE: 7/21/2022

SEWER STUDY SUMMARY

FOR: Harmon Ranch - Existing Sewer System, Existing plus Project Flows

SHT 1 OF 1

JOB NUMBER: 663-079

BY: Dexter Wilson Engineering, Inc.

REFER TO PLAN SHEET

LINE	FROM	TO	LENGTH (ft)	IN-LINE DUs	TOTAL DUs	SEWAGE PER DU/DAY (gpd/DU)	AVG. DRY WEATHER FLOW (gpd)	PEAKING FACTOR	PEAK FLOW (gpd)	PEAK FLOW (DESIGN FLOW)		LINE SIZE (inches)	DESIGN SLOPE (%)	DEPTH K' (1)	dn (feet)	dn/D(2)	C_a for Velocity(3)	VELOCITY (f.p.s.)
										M.G.D.	C.F.S.							
	112	108		62.00	62.00	215	13,330	3.25	43,323	0.043	0.067	8	1.0	0.025693	0.10665	0.16	0.0811	1.86
	108	104		4.00	66.00	215	14,190	3.25	46,118	0.046	0.071	8	1.0	0.027351	0.10990	0.16	0.0847	1.90
	104	100		0.00	66.00	215	14,190	3.25	46,118	0.046	0.071	8	1.0	0.027351	0.10990	0.16	0.0847	1.90

Total EDUS
66.0

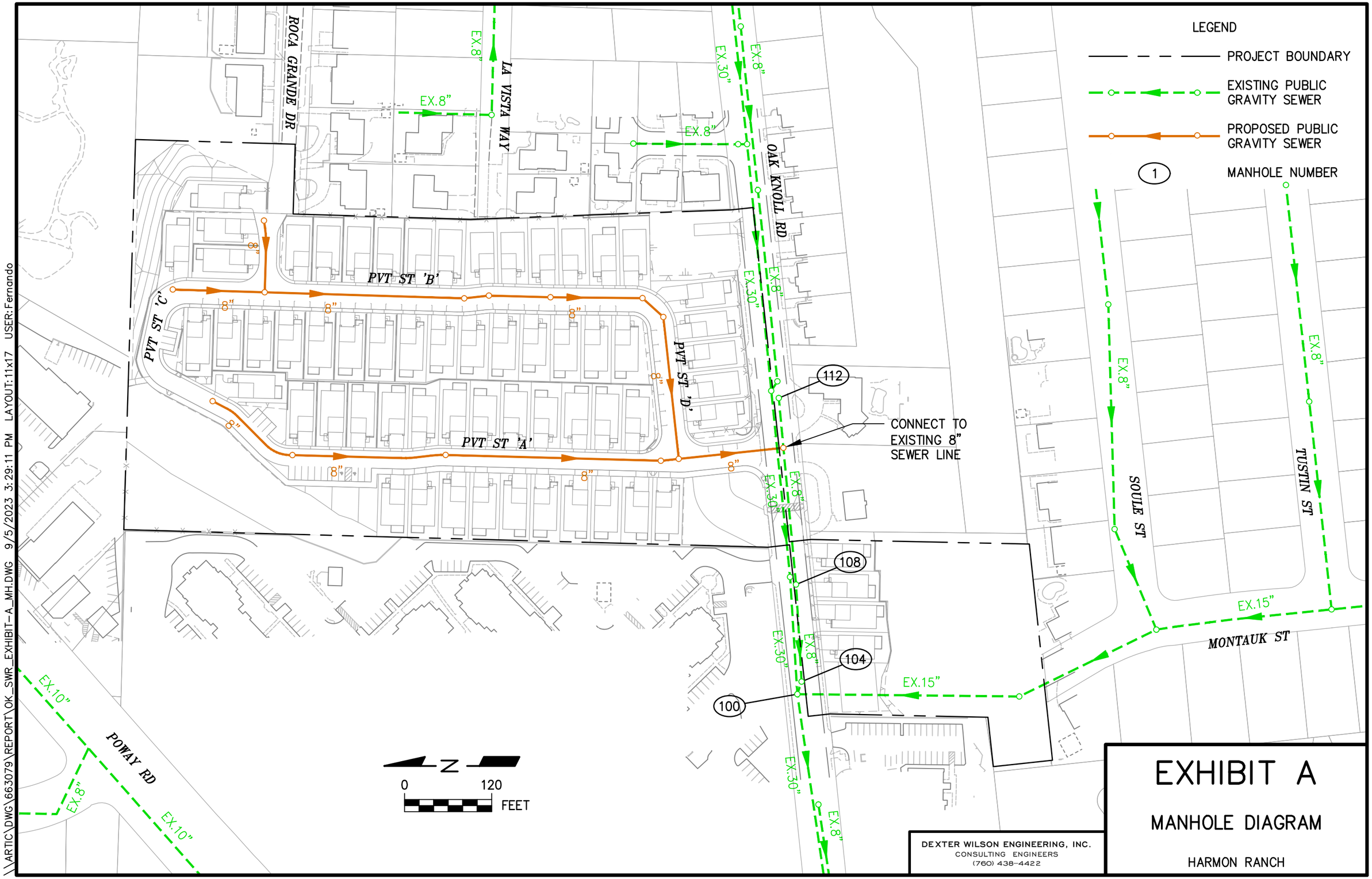
Min Slope
1.00

Max dn/D
0.16

1 K' based on n = 0.013
2 dn/D using K' in Brater King Table 7-14
3 From Brater King Table 7-4 based on dn/D

EXHIBIT A

MANHOLE DIAGRAM



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Appendix P

Fire Response Technical Memorandum

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

FIRE RESPONSE TECHNICAL MEMORANDUM

To:	
From:	Dudek Fire Protection Planning Team, Michael Huff, Principal
Subject:	Harmon Ranch Project Fire and Medical Response Analysis
Date:	February 14, 2023
cc:	N/A
Attachment(s):	1. Poway Fire Department Fire Station 1 Modeled Response Time 2. Poway Fire Department Fire Station 3 Modeled Response Time

The following technical memorandum provides a summary of Dudek's fire service response analysis for the Harmon Ranch Project (Project) in Poway, California. This letter provides a preliminary summary of the existing Poway Fire Department's (PFD) nearby resources, their modeled travel time responses into the Project. The goal is to determine whether the Project can be served within the PFD's internal response time standards.

1 Assignment

Dudek's assignment was to:

- Conduct evaluation of existing, nearby PFD fire station travel times to the project site; and
- Analyze generated information to determine if any of the Project site cannot be reached within the City's response time goal.

2 Project Description

Lennar Homes of California, LLC ("Applicant"), is proposing a residential neighborhood on a 11.5-acre Project Site. The Project site is comprised of approximately 5.7 acres designated for residential development, 3.2 of open space areas, 1.9 acres for private streets and 0.5 acres of public right-of-way (Oak Knoll Road). The Proposed Project would include 64 single family detached homes. The Proposed Project density is consistent with the existing RS-7 designation. Primary access to the Project Site is planned via existing Oak Knoll Road and secondary emergency access is planned via the extension of existing Roca Grande Drive. Sixty of the homes are proposed to front newly constructed private streets, while four homes and an open space/overlook area front existing Oak Knoll Road.

The Project is located within the jurisdiction of the PFD. The fire department provides structural fire protection and advanced life support-level emergency medical services within the City limits; the Poway Fire Department is an all-hazard, all-risk response agency. From three fire stations, 17 personnel respond to emergency and non-emergency

calls for service by staffing three paramedic engines, a paramedic ladder truck, two paramedic ambulances and one incident commander (Fire Battalion Chief). Engine company personnel cross-staff ICS Type III wildland brush engines and provides staffing of a CalOES Type I engine when called upon. The Department maintains response aid agreements with surrounding jurisdictions and participates in the California State Fire & Rescue Mutual Aid System and FEMA's Urban Area Search & Rescue team. The Department's resources are grouped into the Metro Zone area of San Diego County Operational Area and partners with fire departments from San Diego City, Miramar, Chula Vista, National City, Coronado, Imperial Beach, and U.S. Navy Federal. The fire department operates two primary Fire Stations [Stations 1 and 3] that would respond to an incident at the proposed Project site, with first-due response likely from Station 1 given its closer location and greater coverage in a faster timeframe. Station 3 would respond as necessary and also provides fast response throughout the Project. Table 1 presents a summary of the location, equipment, and staffing levels for the two PFD stations responding to the site.

Table 1
Poway Fire Department Responding Fire Stations Summary

Fire Station	Location	Equipment	Staffing
Station 1	1350 Community Road Poway, CA	Paramedic Engine Co. Paramedic ambulance Type III Brush Engine Type I Fire Engine Battalion Chief	On duty: 6
Station 3	14322 Pomerado Road Poway, CA	Paramedic Engine Co. Type III Brush Engine Ladder Truck Company Paramedic Ambulance	On-duty: 8

3 Methods

3.1 Travel Time Response Modeling

Dudek conducted a GIS-based travel time coverage modeling effort in order to determine if the project meets the PFD's response goal. The PFD indicates that the City of Poway does not have a published response time standard but do track response time averages by geography and make appropriate adjustments based on those results. Many jurisdictions have published response time standards and they are typically shorter timeframes for dense, urban areas, and longer timeframes for suburban and rural areas.

Travel time is one part of the overall response time and is based largely on the distance from the fire station to the project. Typically, total response time also includes dispatch and turnout times as a constant i.e., 2 minutes and

30 seconds. The Project's entrance is within 1.5 miles from Fire Station 1. The most remote structure in the Project is within approximately 1.6 miles of the Fire Station.

3.2 GIS Response Travel Time Modeling

Following compilation of all necessary data layers received from project applicant and acquired via publicly available sources, Dudek verified that all data layers were in the correct State Plane Zone coordinate system with units in feet. A network data set was then created utilizing ESRI's Network Analyst extension in the Arc Catalog module. The data set was created by merging the existing centerline street layer with the proposed Harmon Ranch Project centerline street data, provided by project applicants, and assigning parameters to the created data set. Several parameters are available during the creation of a network data set and include elevation constraints, U-turn capabilities, curb approach direction and travel impedance.

Due to the emergency nature of the response scenarios modeled in this analysis, U-turns were permitted on every road. Curb approach determines on which side of the street the vehicle needs to approach and includes three options, left, right, or either. The 'either' option was selected for all roads in this analysis based on the emergency nature of the response situations. Finally, travel impedance was utilized to include the effect of speed limits on response travel time. A custom impedance value was created for each road segment and was a function of road segment distance (miles) divided by speed (mph). This value was utilized in Network Analyst calculations for both modeling types and reflected the time necessary for a vehicle to cover the distance of the road segment. Speed was set at 35 mph, consistent with National Fire Protection Association (NFPA) 1142 Table C.11(b) and the Insurance Services Office (ISO) travel time formula (T=0.65 +1.7D).

Once the network data set parameters were finalized, the route analysis was run using the Network Analyst extension in ArcGIS 10.2.2. This function determines the best route between a minimum of two points based on the parameters chosen. The analysis includes response from PFD Fire Stations 1 and 3 , which are the closest stations to the Project. A route analysis procedure was then run using Network Analyst with each respective fire station as the starting point, and a remote location within the Project as the destination. The maps depicting each Station travel time coverage area are presented in Attachments 1 and 2.

3.3 Modeling Results

As indicated in Table 2 and Attachments 1 and 2, response to the project site from the closest existing PFD fire station (Station 1) would arrive at the Project's primary entrance off Oak Knoll Road within 3 minutes, 13 seconds travel time (5 minutes 49 seconds total response time). The most remote units within the Project are reached within 3 minutes 27 seconds travel time, or 5 minutes 57 seconds total response time. This analysis indicates that the entire Project is within a fast response time from the nearest fire station. For perspective, San Diego County uses a 5 minute travel time (7.5 minute total response time) as their standard. This analysis also indicates that Station 3 also has a fast response time, arriving in 3 minutes, 48 seconds trael at the Project entry (5 minutes 18 seconds total response time) and is an appropriate second-due engine.

Table 2
Poway Fire Department Station Response Time to Project

Call Response Times	Harmon Ranch Response Times from Poway Fire Station.			
	Fire Station 1		*Fire Station 3*	
	Travel Time	*Total Response Time*	*Travel Time*	*Total Response Time*
Less than 5 minutes travel/7.5 minutes Total Response Time	100%	100%	100%	100%

3.4 Response Time Capability Assessment

The Project includes a moderate number of new residential structures. Service level requirements could, in the absence of fire facilities and resources improvements, cause a decline in the PFD response times and capabilities for existing residents. However, it is clear that from a response time perspective, the project does comply with the City's total response time standard. From a call volume perspective, Project provided funding through tax revenues and other fire service fees are expected to offset the potential demand created by the Project's generated emergency calls.

4 Discussion and findings

4.1 Emergency Response

As presented, Stations 1 and 3 are well-within generally accepted response goals for first-in fire engine and medic ambulance to the entire Project site.

6 Recommendations

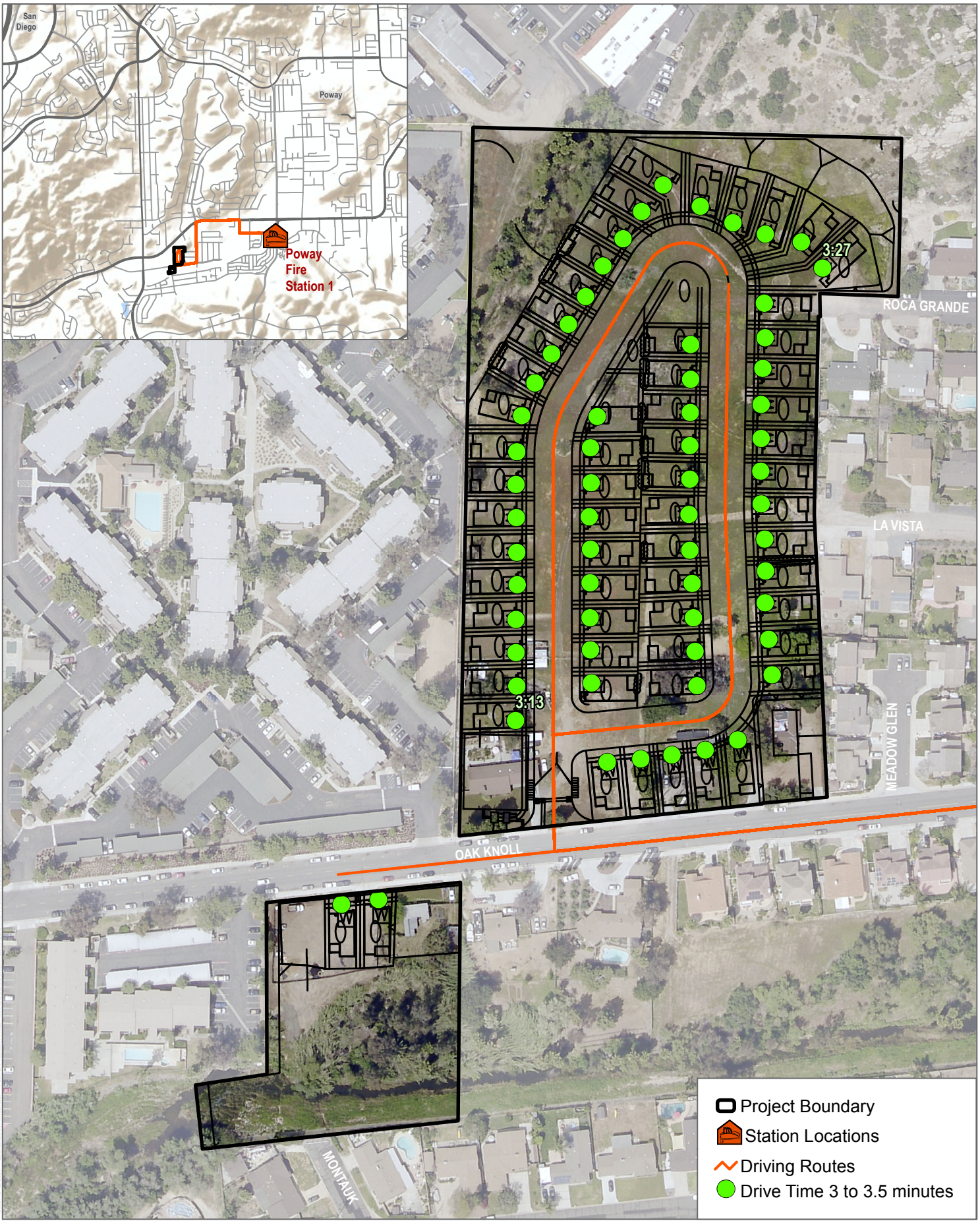
The following Recommendation is provided based on the preceding analysis:

It is recommended that PFD provide emergency response to the proposed Project from Station 1. Factors supporting this recommendation are the absorbable number of calls that would be anticipated as the Project is built and the response time that is within range of local and national standards.

Please feel free to contact me if you have any questions or need any additional information. I look forward to continuing to work with you on this project's fire safety considerations.

Attachment 1

Travel Time Response to Project from Existing Poway Fire Station 1



SOURCE: SAN GIS 2017

DUDEK

0 80 160 Feet

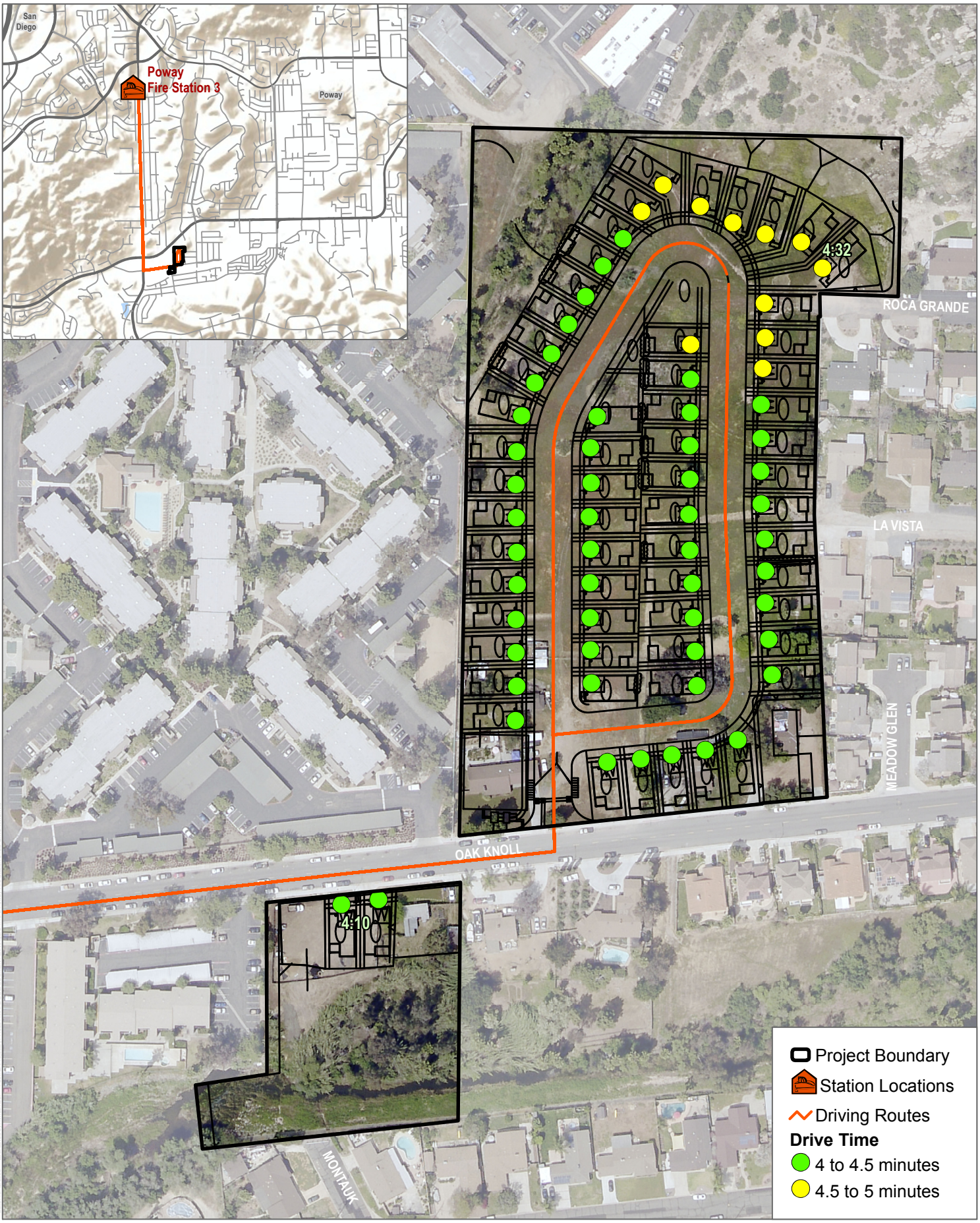
FIGURE 1

Poway Fire Station #1 - ISO Drive Times

Harmon Ranch Specific Plan Project EIR

Attachment 2

Travel Time Response to Project from Existing Poway Fire Station 3



SOURCE: SAN GIS 2017

DUDEK

0 80 160 Feet

FIGURE 2

Poway Fire Station #3 ISO Drive Times

Harmon Ranch Specific Plan Project EIR

Appendix Q

Harmon Ranch Specific Plan

Harmon Ranch Specific Plan

October 2023

City of Poway

Applicant:

Lennar Homes of California, LLC
16465 Via Esprillo, Suite 150
San Diego, CA 92127

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Harmon Ranch Specific Plan

Draft October 2023

Adopted by the Poway City Council _____

By Resolution No. ___

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Chapter One - Introduction

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Chapter 1 - Introduction

1.0 Introduction

Poway is one of the premier communities in San Diego County. With high-quality housing surrounded by extensive open space areas, close proximity to jobs and services and an exceptional school district, Poway provides a sought-after lifestyle.

The underutilized 11.5-acre site subject to the Harmon Ranch Specific Plan is located in the southern area of the City of Poway, generally south of Poway Road and east of Pomerado Road. Much of the site was recently utilized by San Diego Gas & Electric Company as a storage and staging area. There are four existing homes within the site including a historic home that would be retained as part of the project. See Exhibit 1.1: Vicinity Map. The Harmon Ranch site creates an opportunity to provide much needed housing within the City of Poway, helping the City meet its Regional Housing Needs Allocation. With existing public street access and utilities available to serve the site, the proposed Harmon Ranch community is well situated to meet Poway's ever-growing need for housing.

Exhibit 1.1: Vicinity Map

1.1 Specific Plan Purpose and Authority

The Harmon Ranch Specific Plan provides a permanent solution to revitalizing and maximizing utility of an underutilized 11.5-acre site located in the heart of an existing residential community. There are 64 homes within the Specific Plan Area: 63 new homes and an existing historic home. The 63 home single family neighborhood and associated improvements will be managed by a newly established Community Association to ensure the private streets and private open space and recreation uses are well maintained and managed, aleviating the City of Poway of maintenance responsibililties.

The Specific Plan establishes development standards and design guidelines to make certain all new development is compatible with the existing residential uses adjacent to the site.

Authorized by California Government Code Section 65450, the Specific Plan allows for specialized regulations, development standards and design guidelines for future development that address the unique characteristics of the site. This tool is utilized to facilitate the creation of distinctive communities and unique places. All subsequent development plans, tentative parcel and/or tract map(s) and/or similar entitlements for the project site within the Specific Plan area shall be consistent with the regulations set forth in the Specific Plan and with other applicable City of Poway regulations. Where the Specific Plan is silent, the Poway Municipal Code shall govern.

In accordance with Government Code Sections 65450-65457, the Harmon Ranch Specific Plan provides the following content and scope:

- A statement of relationship to Poway General Plan – Chapter 1
- A statement of Specific Plan vision, setting and objectives – Chapter 2
- Land use location and distribution and Development Regulations – Chapter 3
- A description of roadways, traffic calming measures and parking – Chapter 4
- A description of grading, utilities and services – Chapter 6
- Implementation, including financing tools, maintenance responsibilities and administrative procedures - Chapter 7

State law also allows Specific Plans to address any other subjects deemed necessary or valuable to achieve city goals. The following additional content is provided to support the Specific Plan Objectives identified in Section 2.3.

- Community Design Guidelines for Open Space and Residential Land Uses– Chapter 5

1.2 Specific Plan Location and Context

Located in northeastern San Diego County, the City of Poway is characterized by hills, scenic viewsheds and vast open space areas. Regional access to Poway is provided via Interstate 15 (I-15) which is located west of the City.

The approximately 11.5-acre Specific Plan area, known as the Harmon Ranch Specific Plan, is located in the southern portion of the City of Poway, approximately two and a half miles east of I-15 as shown in Exhibit 1.1: Vicinity Map.

The Specific Plan Area is bisected by existing Oak Knoll Road, which provides primary access to the site. Surrounding land uses include the Towne Center shopping center and Kumeyaay Ipai Interpretive Center along Poway Road to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south, existing single-family homes to the east and a multi-family apartment community to the west. See Exhibit 1.2 – Surrounding Land Uses.

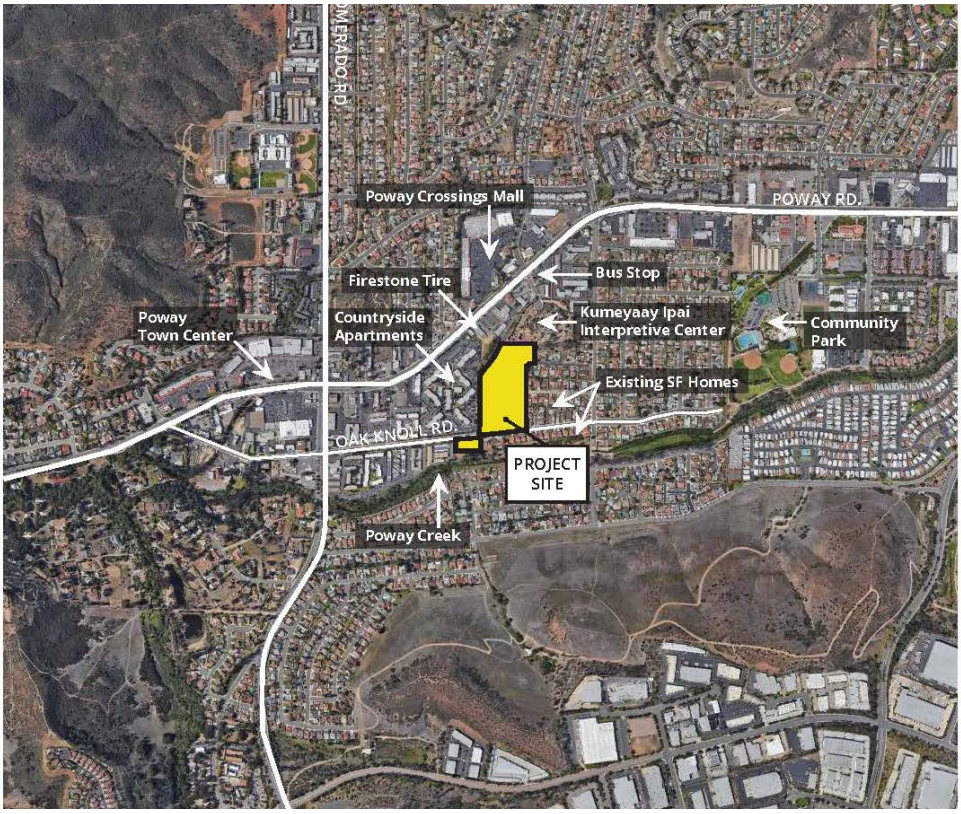

Exhibit 1.2 – Surrounding Land Uses

1.3 Relationship to the General Plan

According to the State of California Office of Planning and Research (OPR), "A Specific Plan is a tool for the systematic implementation of the general plan. It effectively establishes a link between implementing policies of the general plan and the individual development proposals in a defined area." Pursuant to California Government Code Section 65454, a Specific Plan shall be consistent with the local jurisdiction General Plan. Concurrent with this Specific Plan, a General Plan Amendment (GPA) is also proposed, which would change the land use designation of the Specific Plan Area from the existing Residential Single Family 7 (RS-7) General Plan land use designation to the Planned Community (PC) land use designation.

Goal 1 of the Poway General Plan states: It is the goal of the City of Poway to preserve Poway's unique and desirable character as "the City in the Country" and to maintain high quality design and environmental standards in all new development and redevelopment. **Table 1.1: General Plan Consistency Analysis** demonstrates how the proposed residential development would address the applicable policies and goals to comply with the intent of the General Plan. Through implementation of the following applicable General Plan strategies, the project complies with the intent of the respective policies.

Table 1.1: General Plan Consistency Analysis

GENERAL PLAN POLICY	PROJECT RESPONSE
Policy A – Streetscape Seek to develop an attractive streetscape which reflects the rural, small town character of the City.	The entry into the proposed project is located at the intersection of Oak Knoll Road and a planned private street. A community entry wall with signage, lighting and landscaping creates an inviting and attractive entry into the neighborhood, consistent with the rural character of the City. The style, materials and colors planned for the entry monument are compatible with the architectural style of the proposed homes. The proposed project is served by a series of narrow private streets, which minimizes paving, while providing access to all homes. These right-sized streets accommodate street lighting and pedestrian access as well as parking along certain segments. The Community Trail extends through the project, further enhancing pedestrian connectivity to the shopping areas to the north. All new utilities are located underground, consistent with the General Plan strategy. Project CC&Rs will ensure on-going maintenance of private streets, public street frontages, recreation areas, common landscape areas and enforcement of private landscape installation and ongoing maintenance.
Policy B – Subdivision Design Subdivisions should be designed to ensure that future land development supports the goals of the General Plan.	The proposed project includes 63 new homes and retains an existing historic home within the Specific Plan Area. The project density is 8.8 DUs/AC, consistent with the surrounding development and slightly higher than the existing RS-7 zoning designation for the site which permits 8.0 DUs/AC. Lot sizes, spacing, setbacks and building orientation provide for a variety of architectural styles and facades. compatible with the residential character of single family and muti-family neighborhoods adjacent to the Specific Plan Area. By replacing an underutilized, blighted property with a new aesthetically pleasing residential neighborhood, conflicts associated with the existing use of the land will be reduced. Further, the project provides a transition between the higher density apartment community and single-family homes adjacent to the Specific Plan Area and preserves the existing historic home. Each home has an entry element that clearly defines the front of the homes. Since the proposed lots are less than 8,000 SF, lots are primarily rectangular in shape, consistent with the General Plan strategy. On-site significant resources, including a portion of Poway Creek and a tributary to Poway Creek open space areas, are retained in their natural condition. The on-site historical structure is also retained within an 0.25-acre lot within the Specific Plan Area.

GENERAL PLAN POLICY	PROJECT RESPONSE
	The proposed site grading is efficient and avoids potentially hazardous soils conditions.
Policy C – Site Design Attractive, efficient site design shall be required of all development	The design of the site maximizes, to the greatest extent possible, the southern exposure of homes within the project to encourage solar exposure. Based on the Harmon Ranch Tree Inventory and Arborist Report prepared by Dudek (July 2021), one existing tree is subject to the Poway Municipal Code Section 32.170. As required, a 96-inch box tree will be planted at the community entry. Though not required by PMC, the project will also plant up to 42 trees to replace trees impacted by the development. The final number of replacement trees to be determined during preparation of Landscape Improvement Plans. Mailbox locations are shown on the landscape plans in locations that are readily accessible to residents and avoid conflicts with adjacent sidewalks and parking areas. As shown on the site plan and landscape plan, the site design has been coordinated between the Civil and Landscape engineers to improve line-of-sight for both pedestrian and vehicular travel. Single Family homes have been plotted with and without front porches to break-up the building massing and avoid a monotonous line of buildings. With three unique floorplans, four architectural styles and 12 color schemes, the project will create an interesting and vibrant streetscape. Each dwelling unit is provided with private rear yards, consistent with the General Plan strategy.
Policy D – Grading Necessary grading should be done so as to minimize the disturbance to the site and the environmental and aesthetic impacts.	Because the majority of the site is currently disturbed, grading has been minimized to the greatest extent possible. Development is clustered in the disturbed area, while impacts to the most environmentally sensitive areas have been avoided. Except where there are existing rock outcroppings, all exposed graded slopes will be planted with materials compatible with surrounding vegetation, as shown on the project's landscape plan.
Policy E – Interior Circulation and Parking Adequate, safe and efficient on-site circulation and parking areas should be provided for vehicles, which do not conflict with	Through implementation of the following applicable General Plan strategies, the project complies with the intent of Policy E. The project is served by a series of private streets with narrowed paving sections, parallel and head-in parking areas, a sidewalk on one side of the private street and extension of the Community Trail along

GENERAL PLAN POLICY	PROJECT RESPONSE
pedestrian areas or visually dominate the appearance of the development.	Street "A." Traffic calming measures, including the planned community entry, narrow streets, on-street parking, enhanced paving and stop control at the entry all provide for safe vehicular and pedestrian circulation throughout the project. Decorative paving is planned at the community entry and in several additional locations to create a threshold between the public roadway and private streets and at the intersection of Streets "A" and "D" to provide an enhanced pedestrian crossing. A crosswalk at Oak Knoll Road is planned east of the community entry for additional pedestrian connectivity within the Specific Plan Area. Pedestrian crossing signs will be posted and the crosswalk will feature striping and rectangular rapid flashing beacons (RRFBs).
Policy F – Architecture The design of buildings should be aesthetically pleasing and consistent with the City's desire to retain Poway's small town character and image.	The proposed project includes two story home that do not exceed the 35-foot height limit in the General Plan. As described in Chapter 5, Community Guidelines, the project features four architectural styles, Santa Barbara, Ranch, Farmhouse and Monterey –modern interpretations of the old California design theme. A variety of materials and colors will create a cohesive yet interesting streetscape. These designs include trails, trees and front porches, which are compatible with surrounding neighborhoods and Poway's small-town character and image. Roofing materials are also provided in Chapter 5, Community Design, which complement the architectural styles described above.
Policy G – Landscaping Appropriate and well-maintained landscaping should be used to enhance the appearance of development and to modify climatic conditions on site.	All landscaped areas will be maintained pursuant to the community CC&Rs and landscape guidelines, as enforced by the community homeowner's association (HOA). Front yard landscaping will include drought tolerant landscape materials, consistent with City water conservation policies and guidelines. Front yard landscaping will be installed by the developer and maintained by the private homeowner. The developer is also required to install one tree per lot and the HOA will maintain these trees in perpetuity. All landscape plans are subject to review and approval of the HOA to ensure conformance with SP guidelines and City policies and guidelines. The project provides "street trees" within the private homeowner lots, secured with a landscape easement. The community CC&Rs will prohibit homeowners from removing street trees and the HOA will maintain and trim the trees consistent with the General Plan strategy in perpetuity.

General Plan Policy	Project Response
Policy H – Walls and Fencing Walls and fencing should be provided where necessary to ensure privacy or provide noise attenuation.	Along the western boundary, an existing 6-foot-high masonry wall with stucco finish will remain in place separating the proposed single-family homes from the adjacent apartment complex. Though not an arterial roadway, homes along Oak Knoll Road will have a combination block/tubular steel wall at the rear property line. The wall/fence will be broken up by 5-foot-deep recesses that provide space for tree planting. The project includes a combination of retaining walls and 5-foot vinyl fencing and free-standing 5-foot vinyl fencing which provide adequate screening to ensure privacy for the homeowner. There are no sound attenuation walls required within the project.
Policy I – Lighting Lighting should be provided for public convenience and safety but not conflict with the rural nature of the community.	The project includes a conceptual lighting plan that identifies the location of proposed streetlights and landscape lighting which will demonstrate adequate lighting for streets, walkways and parking areas. Landscape lighting will illuminate the community entry and key landscape elements located within the private recreation areas, as appropriate. Architectural lighting detail will be provided as part of the construction documents.

1.4 How to Use This Specific Plan

The Specific Plan is designed to inform future developers, property owners and city staff regarding the permitted uses, regulations, activities and development standards that apply to a particular site within the Specific Plan Area. The intent is to create easily understood rules and guidelines, avoid confusion and conflict when processing future permits and development applications, inform community members about what can occur within the Specific Plan Area and establish a clear process for permit and development applications. The following steps are provided to assist users in finding the necessary information within the Specific Plan:

Step 1: Determine the Applicable Land Use

Refer to Exhibit 3.1: Land Use Plan and Table 3.1: Land Use Summary to determine the permitted land use and intensity. Refer to Table 3.2: Open Space Permitted Land Uses for a list of permissible uses within the Open Space Land Use Districts and Table 3.3: Residential Permitted Land Uses for a list of permissible uses within the Residential Land Use District.

Step 2: Review Regulations and Development Standards

Refer to Section 3.3 for regulations and development standards applicable to the Residential Land Use District. Development standards and regulations for temporary uses, parking, landscaping, lighting, walls and fences and utilities in Chapter 3. Refer to Chapter 4 for street and parking standards.

Step 3: Review Design Guidelines

Refer to the applicable Community Design Guidelines in Chapter 5

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Chapter Two
Vision

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Chapter 2 - Vision

2.0 Introduction

This chapter presents the overall vision for the Harmon Ranch project in the context of existing site conditions, surrounding neighborhood character and the rural nature of Poway.

2.1 Community Vision

The vision for the Harmon Ranch project is to create a new residential neighborhood that is compatible with the surrounding neighborhoods in character and scale, retains the existing historic home as part of the Specific Plan Area, conserves the portion of the site containing sensitive resources, establishes opportunities for active and passive recreation areas for the enjoyment of the residents and provides much needed housing within the City of Poway. This new residential neighborhood will be designed to be aesthetically appealing and compatible with the surrounding residential neighborhoods. The homes will feature high quality architecture that will create an interesting streetscape and pleasing views from the surrounding neighborhoods and public streets. Simplicity in building form with meaningful detailing inspired by natural materials will convey quality and thoughtful designs. Landscaping, lighting, furnishings and the design of outdoor spaces will convey a similar theme through the use of simple designs inspired by natural materials colors and patterns.

Exhibit 2.1: Illustrative Site Plan represents a conceptual design solution that fulfills the vision of the Specific Plan. The Illustrative Site Plan conveys the intended design character and implements the development program permitted by the Specific Plan. The open space recreation areas shown reflect the anticipated land uses and enhance the neighborhood setting envisioned for the project. Recreational uses are distributed throughout the neighborhood and connect to the planned Community Trail to provide ample opportunities for gathering and recreation for neighborhood residents. Floodways are set aside in separate open space lots to ensure they remain in their existing natural condition.

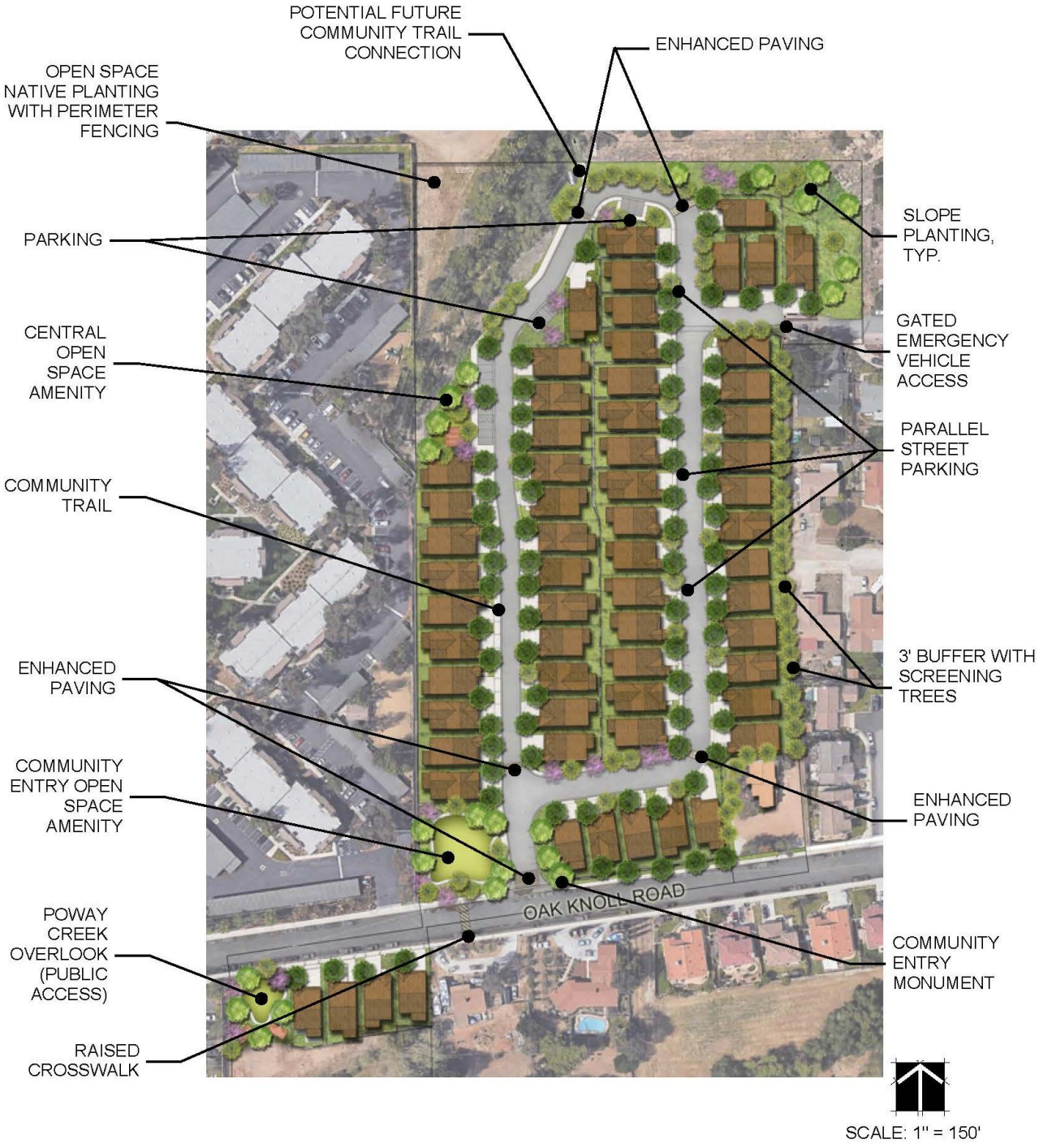

Exhibit 2.1: Illustrative Site Plan

2.2 Setting and Existing Conditions

This Project Site is 11.5 acres and is currently designated Residential Single Family 7 (RS-7) in the Poway Comprehensive Plan General Plan which permits single-family homes on minimum 4,500 square foot sized lots and a maximum density of eight dwelling units per acre. Surrounding land uses include a mix of commercial uses and the Kumeyaay Ipai Interpretive Center to the north, Oak Knoll Road, Poway Creek and existing single-family homes to the south, existing single-family homes to the east and an apartment community to the west.

The Specific Plan would designate approximately 5.7 acres for new residential development, a 0.25-acre site containing an existing historic home, 1.9 acres for private streets and 3.2 acres of open space (natural and private recreation). Approximately 0.5 acres of public right-of-way (Oak Knoll Road) is also included in the Specific Plan boundary. The overall density of the proposed project is 8.8 DUs/Acre, which is slightly higher than the existing RS-7 designation, which permits 8.0 DUs/Acre.

The Specific Plan Area consists of approximately nine acres of disturbed land bisected by existing Oak Knoll Road. The majority of the site is disturbed and was recently utilized as a storage/staging area for San Diego Gas & Electric Company.

The site is relatively flat with an elevation of approximately 446 feet Mean Sea Level (MSL) to 448 MSL. The northern portion of the property is level to moderate sloping with elevations ranging from approximately 449 feet MSL to 495 feet MSL. Poway Creek is located along the southern boundary of the southern parcels. the flood elevation of 447 feet MSL is shown on the Tentative Map. A tributary to Poway Creek exists along the northwest property boundary. The tributary has been channelized and outlets into a storm drain system beneath Oak Knoll Road. Surface drainage across the northern property is generally south and southwest toward Oak Knoll Road, while the southern property drains south and southwest into Poway Creek.

Four surficial soil types and two geologic formations exist on site. The surficial deposits consist of undocumented fill, alluvium, colluvium and terrace deposits. The formational units include the Ecocene-age Friars Formation and the Cretaceous-age granodiorite (granitic rock).

The Biological Resources Technical Report for Harmon Ranch prepared by Dudek (July 2022) included the results of a general biological reconnaissance survey and vegetation mapping conducted in November 2021 and a rare plant survey conducted in April 2002. Based on the survey results, no sensitive plant or wildlife species were observed within the Specific Plan area, and none have a potential to occur. Vegetation communities onsite consist of disturbed wetland, disturbed habitat, urban/developed areas, non-native riparian, Arundo-dominated riparian, southern willow scrub and freshwater. Of these vegetation communities, only southern willow scrub and freshwater are native. The proposed project would focus development in areas which are

currently either disturbed or developed. The Arundo-dominated riparian associated with Poway Creek currently extends over the property line and therefore would need to be trimmed back to the property line resulting in a potential temporary loss of 0.02 acres of this vegetation community. It is anticipated that the vegetation will grow back following construction and therefore no mitigation is proposed for impacts to this invasive plant community.

The Harmon Ranch Tree Inventory and Arborist Report prepared by Dudek (July 2022) included an inventory of existing on-site trees. The arborist identified a total of 58 trees on-site. Of the 58 on-site trees, one oak tree met the City's definition of a "native" tree which would require the replacement of the oak tree with a comparable size (96" box tree) and species. The remaining 57 trees are not protected by the City's ordinance. The project proposed to remove all on-site trees as part of the site development and plant up to 42 replacement trees within the Specific Plan Area, as shown on **Exhibit 5.3: Conceptual Tree Plan**. The final number of trees to be determined during preparation of Landscape Improvement Plans.

There are four existing homes within the project site. According to information obtained from the San Diego County Assessor's office, three of these homes were constructed between 1946 and 1957. There are three homes located within the proposed development area that will be demolished as part of the project. One of the existing homes is a locally designated historic building located at 12702 Oak Knoll Road (APN 317-500-14-00). The historic building was built in 1933 and is constructed of cobblestones. The building is presently designated as City of Poway Historical Site 113 and is documented and known as the "Harmon House." The historic home will be retained in place within a 0.25-acre site as part of the project.

2.3 Specific Plan Objectives

The following objectives have been developed to implement the vision of the Specific Plan and support the goals and policies of the General Plan:

1) Implement applicable goals and policy of the General Plan.
2) Develop a residential neighborhood within an underutilized site with quality architecture and community design aesthetics that respect and enhance the existing neighborhood's appeal and character.
3) Ensure new uses are compatible with the existing surrounding homes by establishing setbacks, design regulations and guidelines that protect the privacy and quality of life for neighboring residents.
4) Contribute new housing units to the City of Poway and the region by providing single family housing.
5) Conserve portions of the Project Site to minimize environmental impacts of the Project and allow for the development of an environmentally sensitive neighborhood.

6) Ensure the retention of the on-site historic home, provide a landscape plan to maintain the historic setting and provide a buffer to ensure the permanent protection of the historic resource during construction.
7) Create an internal network of private streets that minimizes traffic impacts on existing neighborhoods, incorporate a trail connection to the adjacent commercial/industrial land use and provide on-street parking and safe access to homes within the Project.
8) Minimize the environmental impact of new development through best management and low impact development practices, water and energy conservation measures and green construction.
9) Create a land use plan that can realistically be developed within a foreseeable time frame and under projected economic conditions.

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Chapter Three
Land Use & Regulations

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Chapter 3 – Land Use & Regulations

3.0 Introduction

Land Uses are organized to optimize compatibility with the surrounding land uses. The Specific Plan proposed both open space and residential land use districts. The purpose of establishing land use districts is to classify, regulate, and restrict the type of uses and structures permitted within the land use districts.

3.1 Land Use Summary & Plan

Land uses within the Specific Plan Area consist of open space and residential uses as summarized in Table 3.1: Land Use Summary and Exhibit 3.1: Land Use Plan, which describe the distribution and maximum development intensity of uses as permitted in the Specific Plan.

Table 3.1: Land Use Summary[1]

Use/Land Use	Approx. Net Acres (AC)	% of Planning Area	Max. Dwelling Units (DU)[2]	Density (DU/AC)[3]
Non-Residential Land Uses				
Open Space (OS-1 & 2) (Floodway)	1.88	16.3%		
Open Space (OS-3 & 4)	0.31	2.7%		
Open Space Recreation (OSR-1 to 7)	0.99	8.6%		
Subtotal Open Space	**3.18**	**27.6%**		
Private Internal Residential Streets	1.88	16.3%		
Oak Knoll Road ROW (existing)	0.49	4.3%		
Subtotal Streets	**2.37**	**20.6%**		
Subtotal Non-Residential	**5.55**	**48.2%**		
Residential (R) Land Use				
Residential Single Family (R-SF) (Lots 1 to 64)	5.96	51.8%	64	
Subtotal Residential	**5.96**	**51.8%**	**64**	
TOTAL Specific Plan Area[1]	**11.51**	**100%**	**64**	**8.8**

1. Statistics are based upon preliminary design and may vary slightly from Development Plan, Tentative Map, and/or Final Map. Refer to Chapter 7 regarding substantial conformance.
2. Pursuant to State Law, local governments cannot preclude an Accessory Dwelling Unit (ADU) or Junior Accessory Dwelling Units (JADU). An ADU and JADU is an accessory use for the purposes of counting allowable density under general plan and zoning and is therefore not counted as an additional unit. An ADU and JADU shall be permissible in accordance with the PMC or, if the locally adopted ordinance is void, the State Government Code. See Section 3.2.2.G for information regarding ADUs.
3. Open Space areas within the floodway (OS-1 and OS-2) and public street (Oak Knoll Road) and internal private streets are excluded from the density calculation. The following calculation was utilized to determine the net residential density for the project: Residential (5.96 ac) + Open Space Recreation Lots 1-7 (0.99 ac) + Open Space Lots 3 and 4 (0.31 ac) = 7.26 ac. 64 / 7.26 = 8.8.

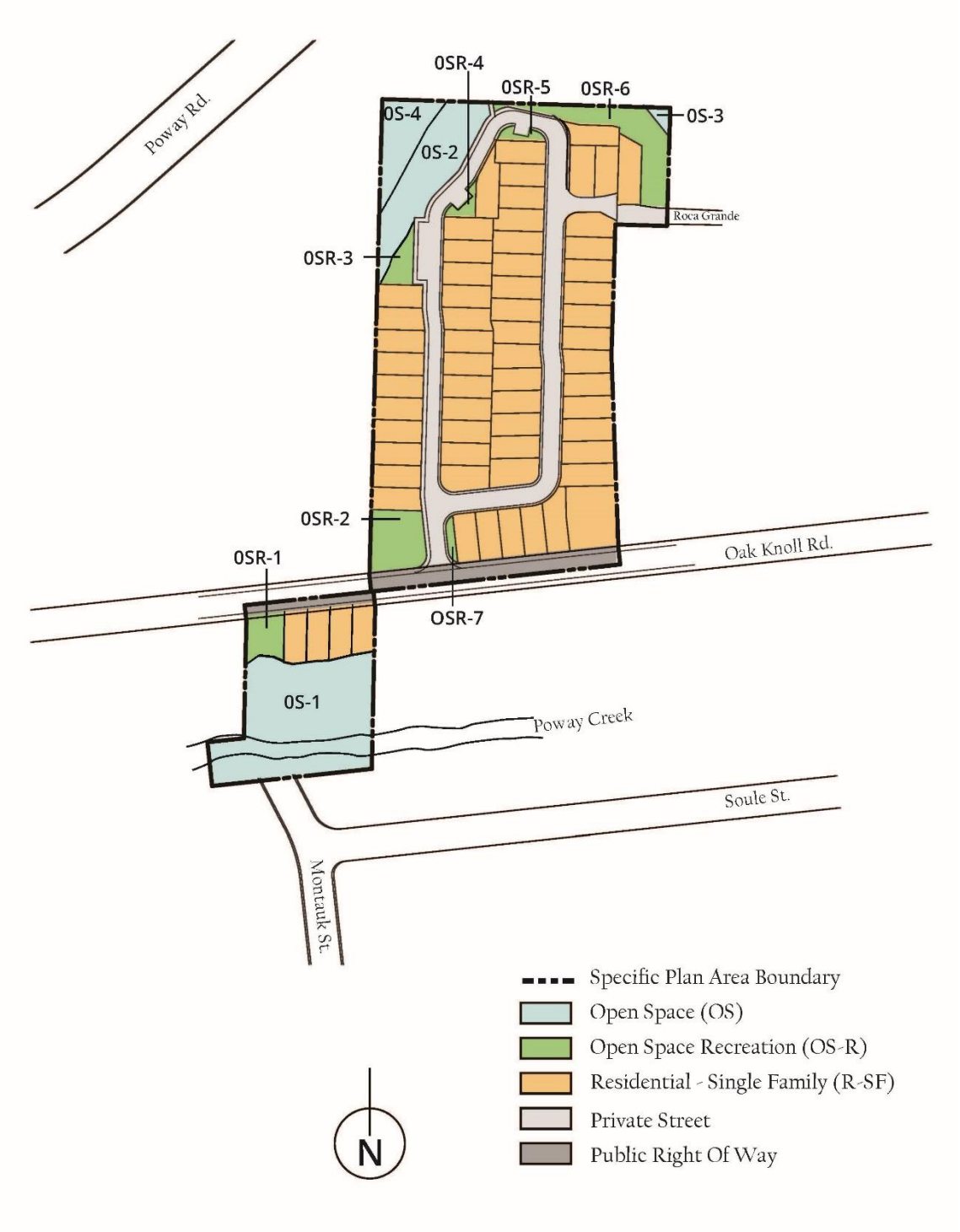


Exhibit 3.1: Land Use Plan

3.2 Open Space Land Use Regulations

Two open space land use districts support the development of the master planned community envisioned by the Specific Plan and would implement the following purpose and intent:

- Open Space (OS) is designed to permanently conserve the on-site open space areas that contain sensitive biological and/or cultural resources. These areas (OS-1 to OS-3) would not be impacted by development of the Project and remain as natural open space areas. Open Space 4 (OS-4) is a disturbed area that is outside of the proposed development area and not accessible from the new residential neighborhood. This area would be secured with perimeter fencing and revegetated with a native hydroseed mix to stabilize the area and deter unauthorized access to the area.

- Open Space – Recreation (OSR) is intended to provide passive and active recreational opportunities and open landscaped areas to support the new residential uses and manufactured slopes within the Specific Plan Area. Recreation amenities shall be provided to support healthy and active lifestyles and encourage community interaction and engagement. These areas include OSR-1 to 7.

Parcels designated OS (OS-1, OS-2, OS-3 and OS-4) shall be deed restricted to ensure that future development is restricted to that specified in the Open Space Land Use Regulations in perpetuity.

3.2.1 Open Space Permitted Uses

Permitted uses within the open space land use districts are listed in Table 3.2: Open Space Permitted Uses.

Table 3.2: Open Space Permitted Uses

Use	OS	OS-R	Additional Requirements
Agriculture			
Specialty and community gardens	X	P	See Section 3.2.3.A
Beekeeping	X	X	
Christmas tree, Halloween pumpkin, or other seasonal sales and other holiday events	X	T	See Section 3.2.3.B and Section 3.2.3.F
Cultivation, delivery or sale of cannabis or cannabis products	X	X	
Recreational Amenities			
Picnic pavilions/Trellis with overhead lighting, tables, benches and BBQ	X	P	
Playgrounds and tot-lots, open play turf areas	X	P	
Trail amenities such as lighting, peeler pole fencing, benches, signage	X	P	
Trails for walking and biking	X	P	See Chapter 4

Use	OS	OS-R	Additional Requirements
Public Art such as sculptures	X	P	See Section 3.2.3.G
Above ground utilities including stealth telecommunication facilities	X	P	Section 3.9
Satellite Dish Antennas	X	P	See PMC
Temporary trailers and offices	X	T	See Section 3.4
Water quality features	X	P	See Section 7.1
Fencing and screening other than trail fencing	X	P	See Sections 3.8 and 5.5
Temporary parking on unimproved surface	X	P/X	Temporary parking permitted within OS-4 only; parking is not permitted within other areas designated OS-R
Other uses that the City Council may determine to be compatible and substantially in conformance with the goals and objectives of this Specific Plan	C	C	

P = Permitted by Right
C = Conditionally Permitted (CUP required)
M = Conditionally Permitted (Minor CUP required)
X = Not Permitted
PMC = Subject to Poway Municipal Code regulations
T = Temporary Use Permit

A. Permitted Deviations and Additional Open Space Standards

The following standards are provided to ensure that maintenance and operation of all open space uses remains compatible with surrounding residential uses:

(1) All structures shall maintain adequate fire access approved by the City of Poway Fire Department and shall be designed to current building and fire code standards.
(2) Hours of operation of any use or activity shall be restricted to between sunrise and 10:00 p.m. weekdays, weekends and holidays unless otherwise specified herein. Any exceptions to these time limits with regard to special events shall be subject to a temporary use permit granted by the Director of Development Services.
(3) All gambling and the sale and consumption of illegal drugs on-site is strictly prohibited. The sale, manufacturing delivery and cultivation of marijuana and cannabis products shall also be prohibited.
(4) The noise level emanating from any use or activity shall not exceed 60 dBA CNEL, as the acceptable outdoor noise exposure level when measured at the exterior boundaries of the Specific Plan area unless otherwise specified herein. This may be achieved through the construction of sound attenuation barriers based upon an approved noise study.
(5) No use shall be permitted which creates offensive odors in such quantities as to be readily detectable beyond the boundaries of any proposed parcel or the exterior boundaries of the Specific Plan Area.

3.3 Residential Land Use Regulations

The Specific Plan includes one residential land use district (Residential-Single Family) that would allow for the development of traditional single-family detached homes on individual deeded legal lots, and address an existing historic home located within the Specific Plan Boundary.

All residential properties shall be deed-restricted to prevent any future increase in residential density in perpetuity.

3.3.1 Residential Permitted Uses (R-SF)

Permissible uses within the R-SF residential land use district are listed in the following table.

Table 3.3: R-SF Permitted Uses

Use	R-SF	Additional Requirements
Existing (Category C) Historic Home	P	Subject to PMC 17.45 Historical Structures
Accessory Buildings	P	
Accessory Dwelling Units	P	See Section 3.3.2.B
Home Occupation	H	
Keeping of animals	P	See PMC
Detached Single-Family Home	P	
Temporary trailers, offices and associated uses	T	See Section 3.4
RV, Truck and Trailer Storage	X	Restricted per Community Association CC&Rs
Outdoor Prefabricated Storage Units/Sheds	P	Subject to Community Association See CC&Rs and must meet minimum setback requirements
Patio Covers, Awnings, Trash Enclosures	P	Subject to Community Association CC&Rs
Pools/Spas	P	See Section 3.3.2(A)(3)
Roof Mounted Solar Panels	P	See PMC
Ground Mounted Solar Panels	X	
Roof Mounted Antennas	X	
Satellite Dish Antennas	P	
Utilities	P	See Section 3.9
Water Quality Features	P	See Section 6.1.3
Other uses that the City Council may determine to be compatible excluding increased housing density and multi-family homes	C	

P = Permitted by Right
C = Conditionally Permitted (CUP required)
M = Conditionally Permitted (Minor CUP required)
X = Not Permitted
PMC = Subject to Poway Municipal Code regulations
T = Temporary Use Permit
H = Home Occupation Permit

3.3.2 Residential Development Standards

Development standards include minimum lot dimensions, minimum setbacks and building separation, maximum building height and minimum private open space requirements.

Residential Single Family (R-SF)

The Residential Single-Family designation consists of the 63 proposed single-family homes and an existing historic home to remain within its existing lot. The 63 new homes planned would include floor plans 1, 2 and 3. Typical setbacks are depicted on **Exhibit 3.2 – Typical Lot Details - Residential Single Family**. Typical plotting provided for reference; however, final plotting to be provided during final engineering. See Development Review Plan for irregular lot setbacks. The setbacks for the existing historic home (Lot 64) are depicted on **Exhibit 3.3: Proposed Historic Home Setbacks** and the proposed historical setting are depicted on **Exhibit 3.4: Proposed Historic Home Setting**. [1]

[1] Lot 64 must comply with PMC 17.45 Historical Structures. Setbacks established on **Exhibit 3.3: Proposed Historic Home Setbacks** (Front 54', side (east) 29', side (west) 35' and rear 6') may not be modified and no further encroachments are permitted. Lot 64 may not be subdivided in the future, except as permitted in the PMC.

Table 3.4: Residential Development Standards (R-SF)

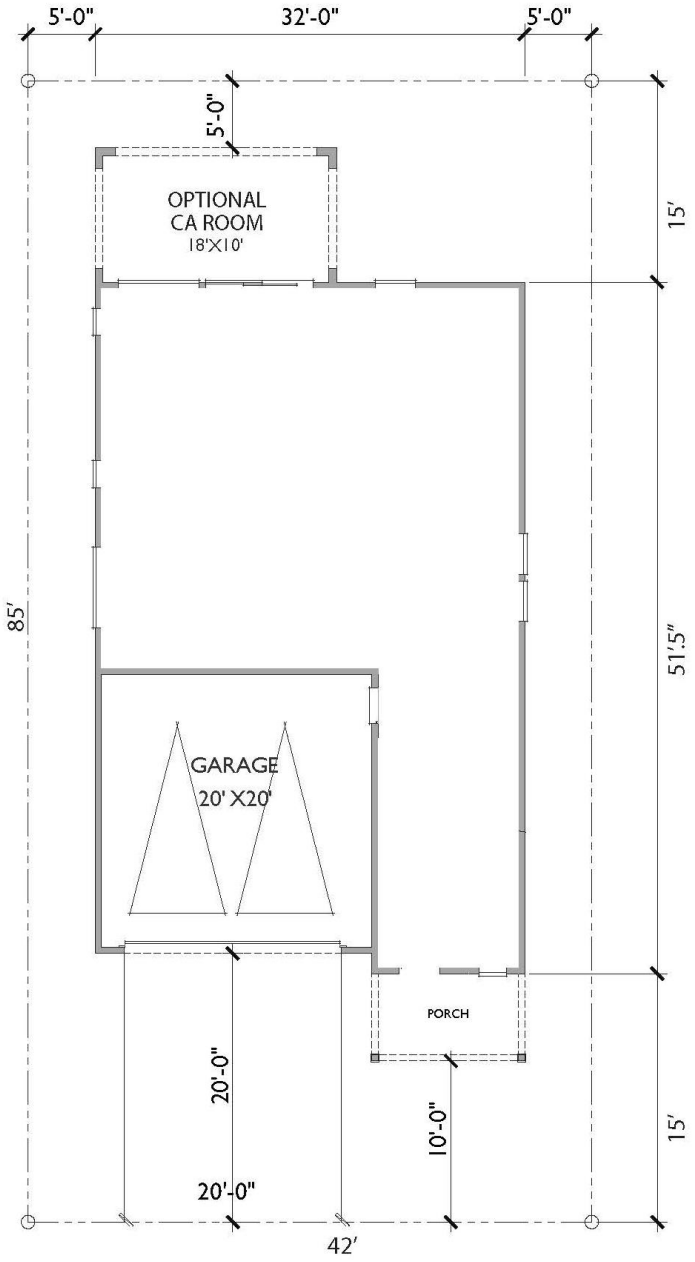
Description	Minimum Requirements
Lot Dimensions	
Lot Size	3,470 SF
Lot Width (Measured at setback)	42 feet
Lot Depth	85 feet
Lot Coverage	55% max
Minimum Building Setbacks[3]	
Front – Garage Door to Property Line	20 feet
Front – Primary Building to Property Line	15 feet
Front – Porch to Property Line	10 feet
Side – Primary Building to Corner @ Property Line	6 feet
Side- Primary Building to Property Line	5 feet
Rear – Primary Building to Property Line	15 feet
Rear – CA Room to Property Line (Max width of CA Room limited to 50% of Primary Building width)	5 feet
Building Separation	10 feet
Building Height	**2 Stories and 35 feet max**
Walls	
Retaining Wall Height (PMC 17.08.240.A)	**6 feet max**
Combo Retaining Wall/Fence Landscape Area (PMC 17.08.240)	**0 to 4 feet max for retaining wall and 5 feet max for fence (varies)**

1 All dimensions are minimum unless otherwise stated and apply to Lots 1-63, except as described below in Note 2.

2 Minimum setbacks apply to typical lot configurations only. Setbacks for irregular shaped lots (Lots 17, 20, 36, 37 and 39) vary and may be reduced, depending on the specific lot conditions, but can't project into setback beyond original footprint. See Development Review Plan (22-0003) for irregular lot setbacks.

3 See Section 3.3.2.A for permitted encroachments into minimum setbacks.

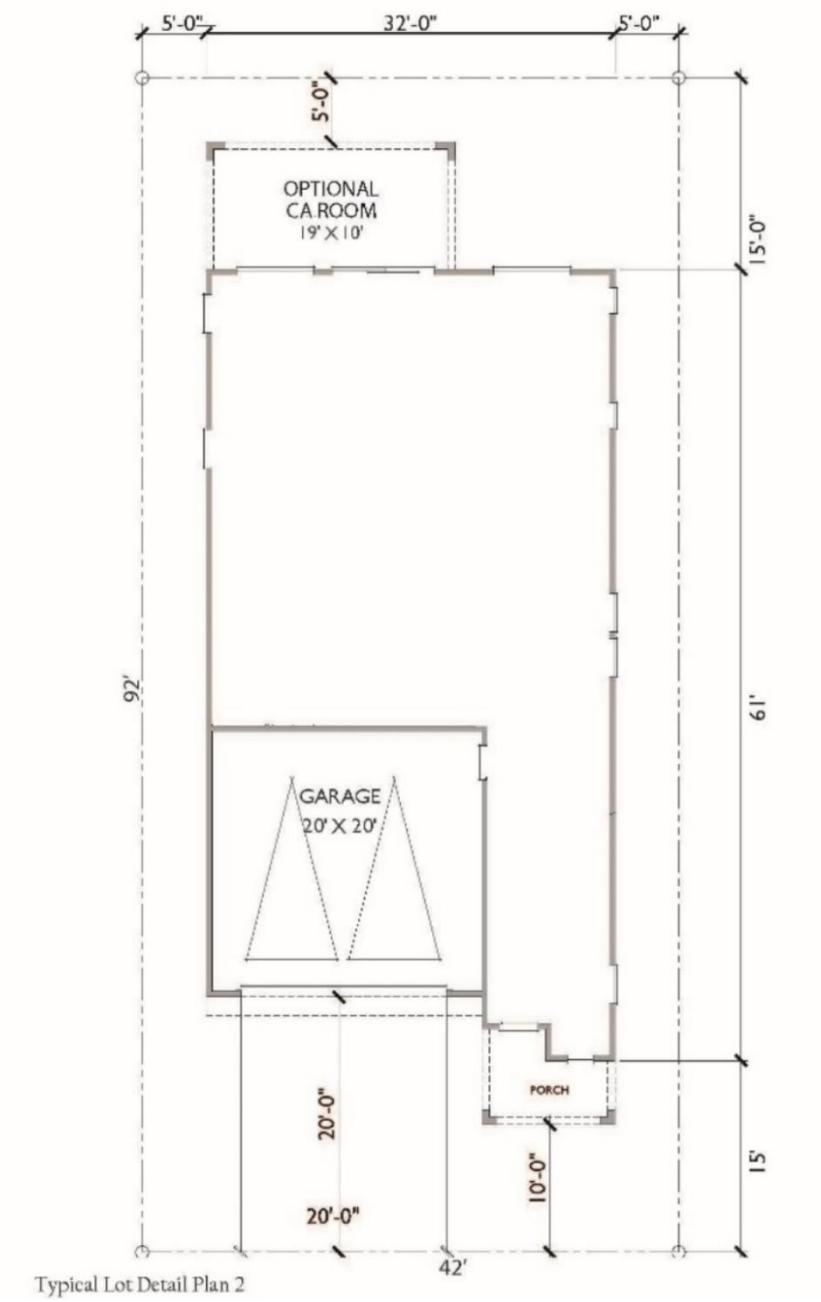
Residential Private Open Space Requirements: Each residential lot shall provide private outdoor open space areas equal to 10 percent of the home square footage. The full rear yard private open space on a typical lot is approximately 620 square feet, which exceeds the 10 percent private open space minimum requirement. Rear yards, including California Rooms, porches and side yard areas located behind side/rear yard fencing shall be counted toward meeting the private open space minimum requirement. Where the California Room is provided, it is included in the minimum rear yard area calculation and shall receive credit toward the 10 percent private open space requirement. Final calculations to be provided during final engineering.



Typical Lot Detail Plan 1

Note: All setbacks are minimum dimensions. Minimum setbacks apply to typical lot configurations only. Setbacks for irregular shaped lots (Lots 17, 20, 36, 37 and 39) vary and may be reduced depending on the specific lot conditions. See Development Review Plan (22-0003) for irregular lot dimensions and setbacks.

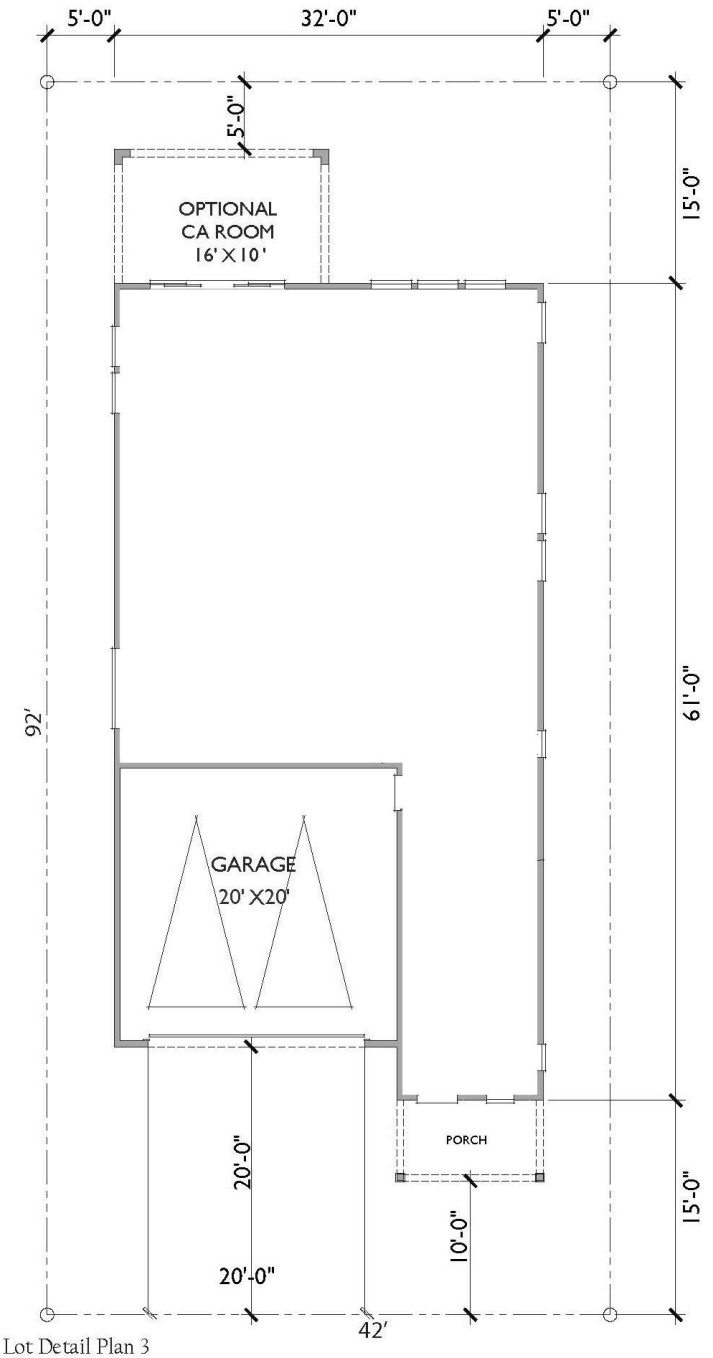
Exhibit 3.2: Typical Lot Details – Residential Single Family



Typical Lot Detail Plan 2

Note: All setbacks are minimum dimensions. Minimum setbacks apply to typical lot configurations only. Setbacks for irregular shaped lots (Lots 17, 20, 36, 37 and 39) vary and may be reduced depending on the specific lot conditions. See Development Review Plan (22-0003) for irregular lot dimensions and setbacks.

Exhibit 3.2: Typical Lot Details – Residential Single Family (continued)



Typical Lot Detail Plan 3

Note: All setbacks are minimum dimensions. Minimum setbacks apply to typical lot configurations only. Setbacks for irregular shaped lots (Lots 17, 20, 36, 37 and 39) vary and may be reduced depending on the specific lot conditions. See Development Review Plan (22-0003) for irregular lot dimensions and setbacks.

Exhibit 3.2: Typical Lot Details – Residential Single Family (continued)

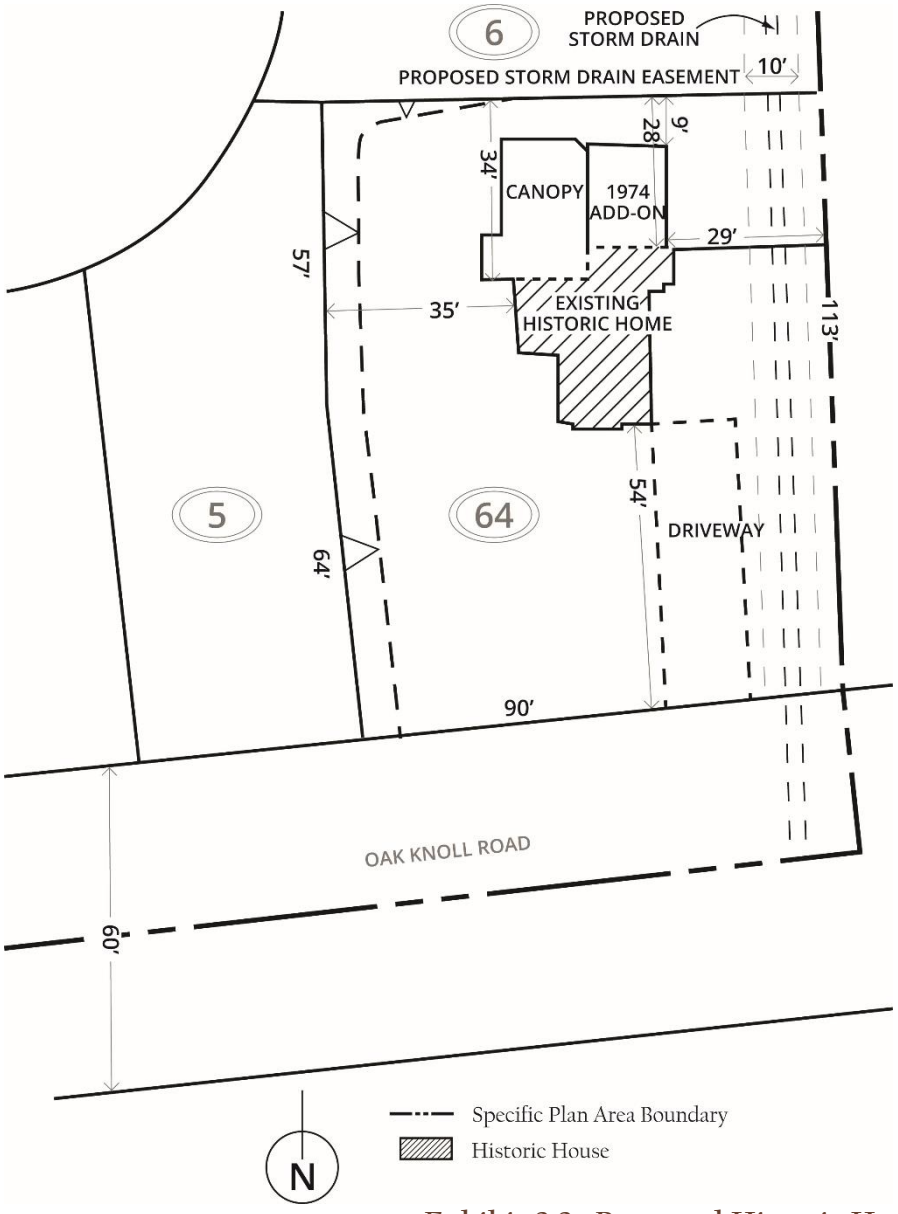


Exhibit 3.3: Proposed Historic Home Setbacks[2]

[2] Lot 64 must comply with PMC 17.45 Historical Structures. Setbacks established on **Exhibit 3.3: Proposed Historic Home Setbacks** (Front 54', side (east) 29', side (west) 35' and rear 6') may not be modified and no further encroachments are permitted. Lot 64 may not be subdivided in the future, except as permitted in the PMC.

Exhibit 3.4: Proposed Historic Home Setting

A. Residential Encroachments

(1) Stoops, steps and architectural features such as eaves, awning, chimneys and balconies, stairways, wing walls and/or bay windows may project not more than four feet into any required front or rear setback area, or into any required side setback area but not more than one-half of said required side setback.
(2) Open front porches may encroach up to five feet into the required front setback and may be counted toward meeting the private open space requirement.
(3) Swimming pools or spas, diving boards, slides and similar devices, shall be located a minimum of three feet from the main residence on the lot and at least three feet from the property line and shall comply with all PMC safety requirements. In no instance shall swimming pools or spas be located within the front yard setback.
(4) Refer to Section 3.3.2.B for permitted accessory structure encroachments, including California Rooms.

B. Residential Accessory Buildings and Structures

Accessory Dwelling Units (ADUs) and Junior Accessory Dwelling Units (JADUs) are permitted on all residential lots to provide opportunities for multi-generational living and rental units that fulfill the need for diverse and more affordable housing options in accordance with PMC Section 17.08.180(A).

California Rooms

California Rooms are transitional spaces that provide indoor-outdoor living space in a partially enclosed room. California Rooms often include built-in lighting, overhead fan, media cabinet and/or similar features designed for relaxation and entertainment. Sliding or folding doors provide access to the home, which can be opened to make interior spaces feel larger and more connected to the rear yard. A California Room is attached to the home and is usually integrated into the home's floor plan and roof plan. All California Rooms shall meet the following requirements, unless otherwise approved by the Director of Development Services:

(1) The square footage of the California Room shall be counted toward meeting the minimum 10 percent private open space requirement.
(2) A minimum of 50 percent of the California Room's walls shall remain open or include operable doors or windows that open to the rear or side yard.
(3) The California Room may extend a maximum of 50 percent of the width of the primary building.
(4) The California Room may extend into the rear yard setbacks up to 10 feet but shall maintain a minimum five-foot rear yard setback.
(5) The size of the California Room may be reduced to ensure conformance with the minimum rear setback requirements.

(6) Th second story living space above the California Room shall adhere to the setback requirements of the primary building.

C. Other Residential Accessory Buildings & Structures

(1) Second story balconies and decks are prohibited on lots adjacent to existing residential lots (Lots 6-17).
(2) Structures including, but not limited to, a trellis, storage building, pool, spa, outdoor kitchen, etc. and trees are not permitted within the storm drain easement located at the rear property line of Lots 6 to 11 and the northeast side of Lot 64.
(3) Overhead trellis or patio covers must be 50 percent open and must meet the minimum side and rear setback requirements.
(4) Storage sheds shall be located a minimum of three feet from the main residence on the lot and at least five feet from the property line. In no instance shall storage sheds be located within the front yard or side yard setback.

3.3.3 Residential Performance Standards

The noise level emanating from any residential use or operation within the Residential (R-SF) Land Use District shall not exceed 60 dBA CNEL as the acceptable outdoor noise exposure level when measured at the property line. The interior noise level shall not exceed 45 dBA CNEL within the R-S Land Use District.

3.4 Temporary Uses

The following temporary uses are permitted throughout the Specific Plan Area:

(1) Religious, patriotic, historic, holiday or similar displays or exhibits are permitted on a temporary basis, within residential front yards or within the OS-R Land Use District in accordance with the PMC.
(2) Prior to initial sale of all residential lots, a subdivision sales office and model home complex shall be permissible, subject to all of the following minimum requirements:
    - A parking lot shall be provided with a sufficient number of parking spaces.
    - Temporary sales offices shall be removed no later than 60 days after the sale of the last house. Annual review by the City for compliance with the conditions of approval may be required.
    - Faithful performance bonding in an amount appropriate to guarantee removal and/or conversion of the sales office and associated facilities shall be required.
    - Other conditions that the Director of Development Services deems necessary to assure that the sales office will not constitute a nuisance or be objectionable to the residential uses in the neighborhood.

(3) Additional uses determined by the PMC or the Director of Development Services to be consistent and comparable with permissible uses in **Table 3.4: Residential Permitted Uses**.

3.5 Parking Regulations

Parking regulations are intended to provide adequate parking with sufficient capacity to minimize impacts to residential streets, provide safe circulation to minimize traffic conflicts and promote public safety and preserve an attractive visual character within and around the Specific Plan Area. Parking shall meet the requirements of the PMC, unless otherwise specified herein. Recreational vehicle and trailer parking is prohibited.

3.5.1 On-Street Parking

As described in **Chapter 4: Mobility & Parking**, on-street parking is provided along certain Private Streets within the neighborhood to serve as additional guest parking for residents. See **Exhibit 4.1 – Conceptual Mobility & Parking Plan** for street sections and parking locations within the Specific Plan Area. The following standards apply to on-street parking:

1) Parallel parking spaces shall provide a minimum dimension of 8 feet x 22 feet.
2) Perpendicular parking spaces shall provide a minimum dimension of 9 feet x 19 feet.
3) Recreational vehicle and trailer parking is prohibited.

3.5.2 Residential Off-Street Parking

Off-street parking for residential uses shall be provided as follows:

(1) A minimum of two side-by-side garage spaces are required. Garage interiors shall provide a minimum dimension of 20 feet x 20 feet interior clear of obstructions.
(2) Residential driveways shall maintain a minimum dimension of 20 feet x 20 feet.
(3) The maximum slope for any residential driveway shall be 20 percent.
(4) Residential driveways and other paved areas available for vehicle parking shall not exceed 600 square feet of the front yard area. A three-car driveway is prohibited.
(5) Parking spaces shall remain free and clear of obstructions.
(6) Each residential garage shall include overhead storage and bicycle racks.
(7) Recreational vehicle and trailer parking are not permitted on private streets or within private driveway areas.
(8) Semi-trucks and trailers, dump trucks, moving vans and other heavy-duty commercial vehicles shall not be parked on any residentially zoned lot for a period longer than eight hours.
(9) Parking restrictions shall be included in the Community Association Covenants, Conditions & Restrictions (CC&Rs).

3.6 Landscape Requirements

For purposes of this section, landscaping may include ornamental and/or native landscape materials.

(1) Landscaping and irrigation of front and street side setback areas (outside of private fenced rear yard areas) shall be installed by the developer and maintained by private homeowners. Landscaping shall consist of trees, plant materials, natural ground cover and decorative rocks, except for necessary walks, drives and fences. Artificially colored decorative rocks and mulch (organic and inorganic) are not permitted; Artificial turf is permitted in front and rear yard areas. Accent paving and hardscape (e.g. boulders, dry streambed, patterned concrete, etc.) is encouraged. No more than 25 percent of landscape areas shall consist of non-living plant materials, including rock, cobble, gravel and decomposed granite, but excluding artificial turf for residential lots and common recreation areas.

(2) Interior side and rear yards within the fenced areas of residential lots shall include groundcover on all bare earth areas within one year of purchase unless specified otherwise by the CC&Rs.

(3) All required landscaping shall be permanently maintained in a healthy and thriving condition, free from weeds, trash, debris. Such maintenance shall be regulated by the community CC&Rs.

(4) Landscaping in parking areas shall include a minimum of one 15-gallon tree for every three parking spaces. Large planting islands provide for every eight to 10 parking spaces are encouraged.

(5) Landscaping shall conform to the City of Poway Landscape and Irrigation Design Manual (March 2018), PMC Chapter 17.41, Landscape Efficiency Standards and Water Conservation Plan; PMC Chapter 8.94, Water Conservation Plan; State of California AB 1881, The Water Conservation in Landscaping Act.

(6) A minimum of fifty percent of landscape areas shall consist of live plant materials.

(7) Street trees shall be planted within each residential lot within a six-foot wide landscape easement established on the Final Map. Trees shall be planted and maintained consistent with the City of Poway Landscape and Irrigation Design Plan (March 2018).

(8) Trees shall be planted in Open Space Recreation areas at an average ratio of one tree per 750 square feet (approximately 60 trees per acre). Trees shall be 15-gallon nursery container size (minimum) and at least 25 percent of the total tree quantity shall be 24-inch box size or larger. The project shall provide (a) one tree every 30 lineal feet of street frontage (24-inch box size minimum); and (b) one tree every 50 lineal feet of trail and community sidewalk. Trees shall be broad-canopy species to provide effective shading within 15 years of planting.

(9) Plant materials shall conform to ANSI Z60 "American Standard for Nursery Stock" (latest edition) regarding condition, tree caliper/height, and other general standards and specifications for nursery container stock.

3.7 Lighting Standards

All lighting within the Specific Plan Area shall comply with Title 24 of the California Code of Regulations. In addition, lighting within the Specific Plan Area shall conform to the following unless otherwise superseded by Title 24 regulations. See **Exhibit 3.5: Lighting Concept Plan** and **Exhibit 3.6: Conceptual Lighting Details** for the conceptual location of streetlights along the private streets and landscape lighting proposed at the community entry and open space areas. The conceptual street and landscape lighting fixtures are provided in **Exhibit 3.6.** See the Harmon Ranch Conceptual Lighting Plan prepared by Visual Concepts Lighting, Inc. (December 2022) for additional details. Final lighting fixture locations and fixtures to be determined during final design/engineering.

(1) All outdoor light fixture, including but not limited to illuminated signage, decorative building or landscape lighting, illuminated recreation areas, and parking areas shall be turned off between the hours of 11:00 p.m. and sunrise, except when used for security purposes, except for lighting of roadways, sidewalks and similar safety-related applications, or when operating hours continue after 11:00 p.m., but only as long as such facility is open.
(2) Automatic timing devices shall be integrated into all new or modified lighting systems to turn off lights at 11:00 p.m.
(3) All exterior lighting shall be shielded, as needed, to avoid light spillage onto adjacent streets and adjoining properties.
(4) Lighting should be integrated into the architecture of the building to the extent feasible.
(5) The intensity of light at the boundary of any property shall not exceed 75 foot-lamberts from the source of reflected light.
(6) Streetlights shall be provided at a minimum spacing of one per 100 lineal feet of street.
(7) Lighting shall comply with "Dark Sky" Policies to the greatest extent feasible.
(8) Trees within Open Space Recreation Areas may be provided with uplighting in the locations shown on **Exhibit 2.1: Illustrative Plan.** The final lighting plan to be provided the during final landscape design phase and may include landscape lighting at the community entry and a portion of the Entry Open Space Areas (OSR-2)/

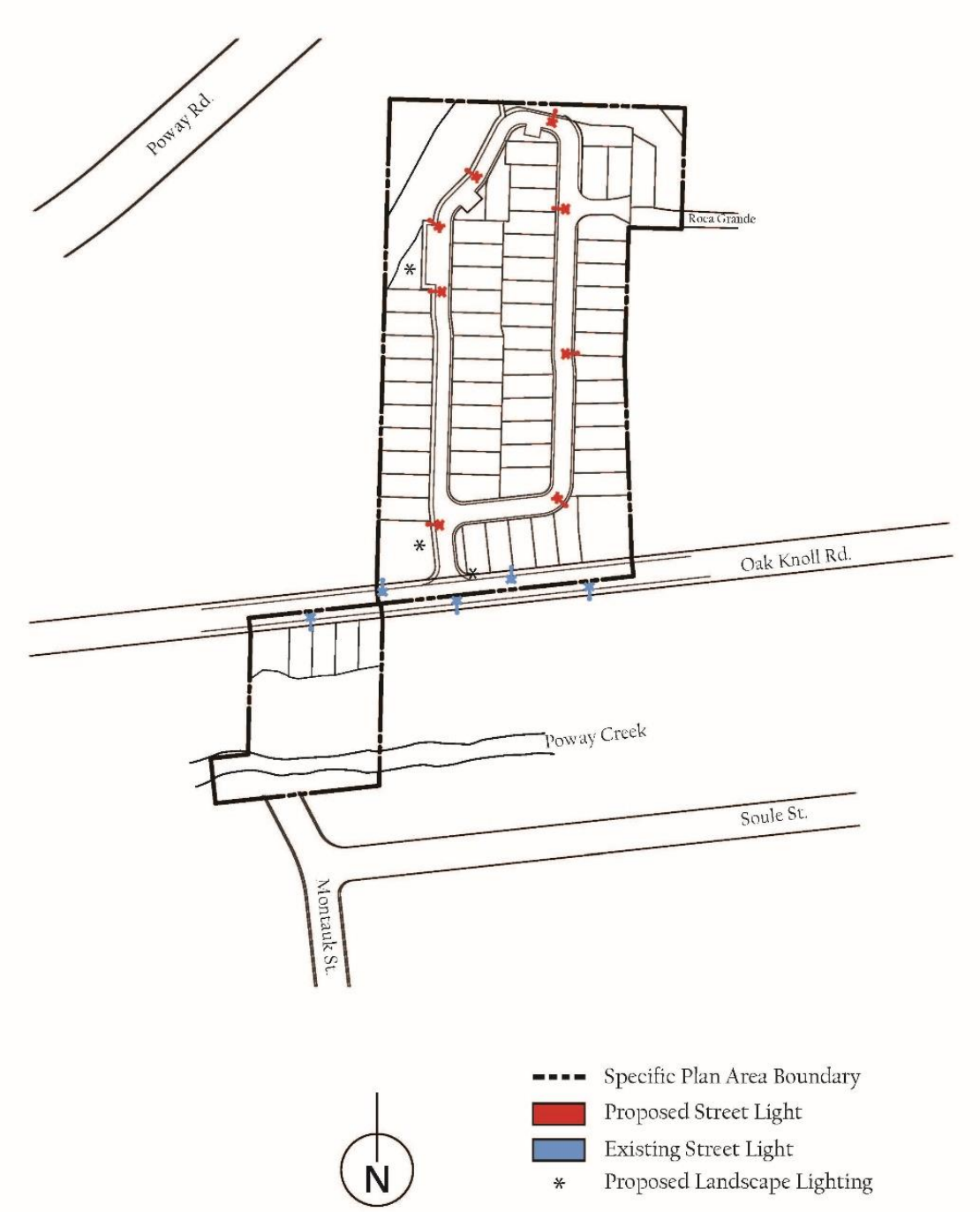
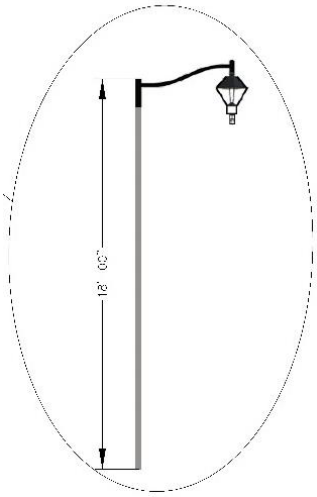


Exhibit 3.5: Lighting Concept Plan

Conceptual Street Lighting

This illustration is provided to depict the lighting aesthetic relates to each architectural style. See **Exhibit 3.5: Conceptual Lighting Plan** for conceptual fixture locations. Ultimate street light spacing and quantity to be finalized during final engineering.



Conceptual Streetlight Fixture

Conceptual Monument and Tree Up-Lighting (OSR)

Conceptual Tree Up- Lighting

Conceptual Monument & Tree Fixture

The conceptual location of tree and community entry lighting and fixture types are shown on the Conceptual Lighting Plan. Ultimate lighting locations, quantities and fixture to be determined during final design.

Exhibit 3.6: Conceptual Lighting Details

3.8 Walls and Fences

Requirements for walls and fences within the Specific Plan Area shall be as follows:

(1) Fence and wall details, including proposed materials and heights are depicted in **Exhibit 3.7: Conceptual Fence and Wall Plan** and **Exhibit 3.8: Conceptual Fence and Wall Details**. See **Exhibit 3.9: Conceptual Retaining Wall & Fence Design** for proposed perimeter and internal retaining wall and fence designs. Final wall/fence heights to be determined during Final Engineering.
(2) A wall or fence located within a street-adjacent front yard shall not exceed three feet in height.
(3) Walls and fences at all roadway and driveway intersections shall comply with site visibility design standards by providing corner cut-offs as required by the PMC.
(4) All fences, walls and retaining walls shall be constructed of attractive new or recycled material such as wood, vinyl, masonry or similar that is compatible with the community theme. Fences and walls shall be installed and constructed in accordance with methods that conform to the requirements of the Uniform Building Code. Additionally, all walls and fences shall be maintained in a state of good repair. Dilapidated, dangerous or unsightly fences, walls and retaining walls shall be repaired or removed.
(5) Fiberglass sheeting, bamboo sheeting or other similar temporary materials shall not be permitted as fencing materials. Barbed wire strands, razor wire or concertina wire (coiled barbed wire) shall not be permitted as fencing material.

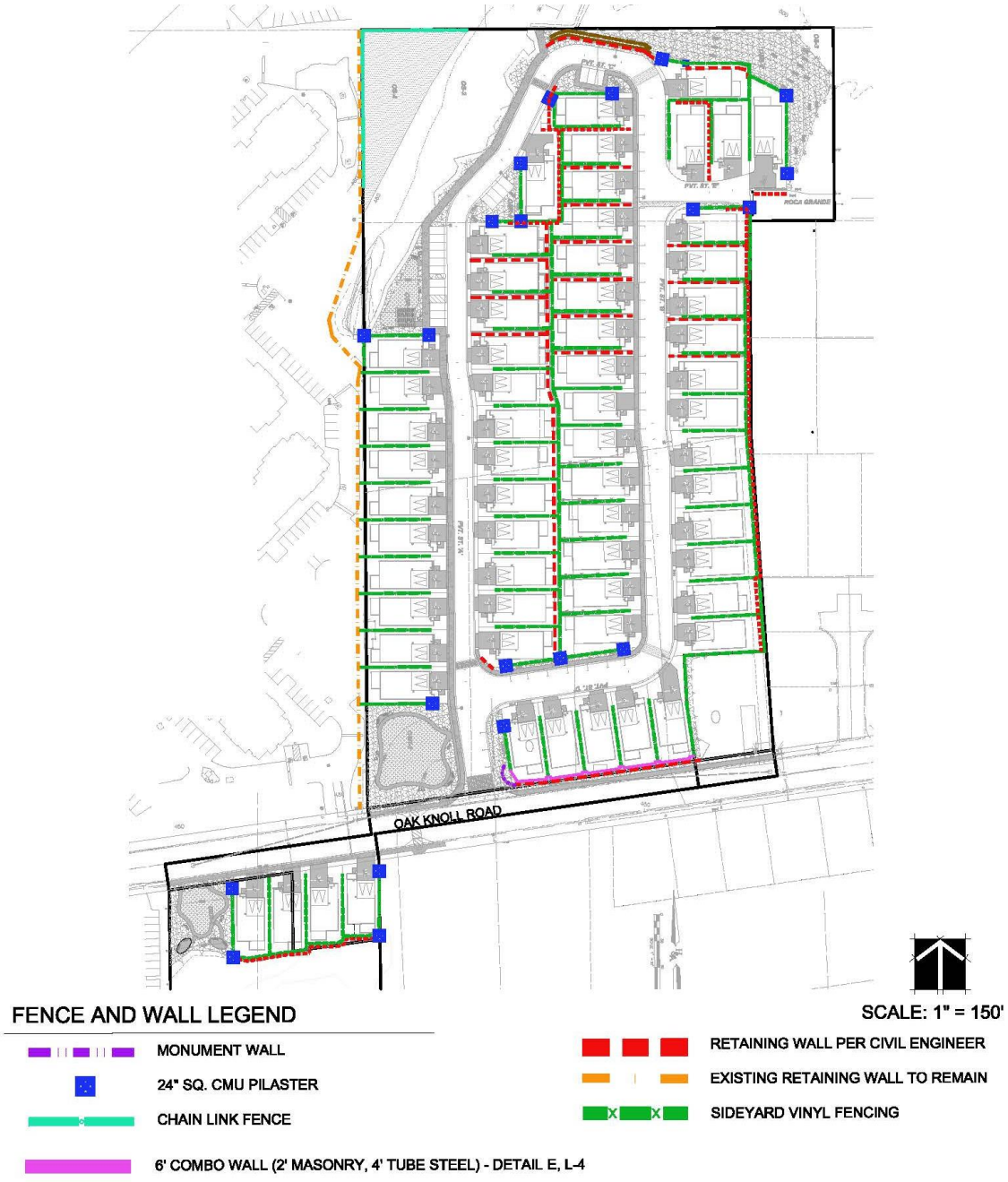
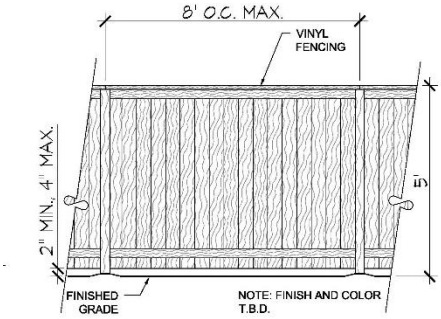
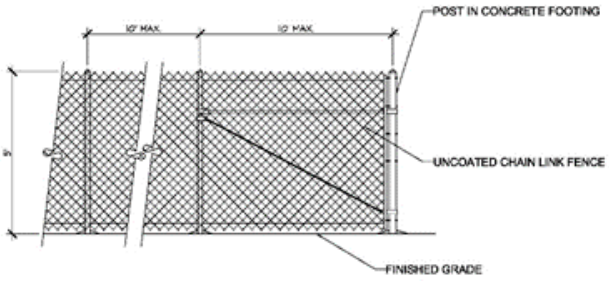


Exhibit 3.7 – Conceptual Fence and Wall Plan

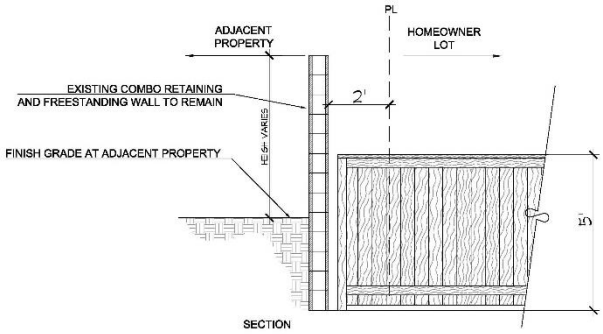
A MONUMENT WALL



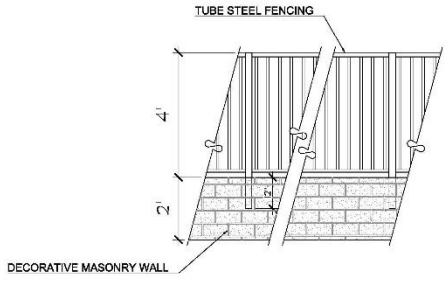
B VINYL FENCING



C CHAIN LINK FENCE



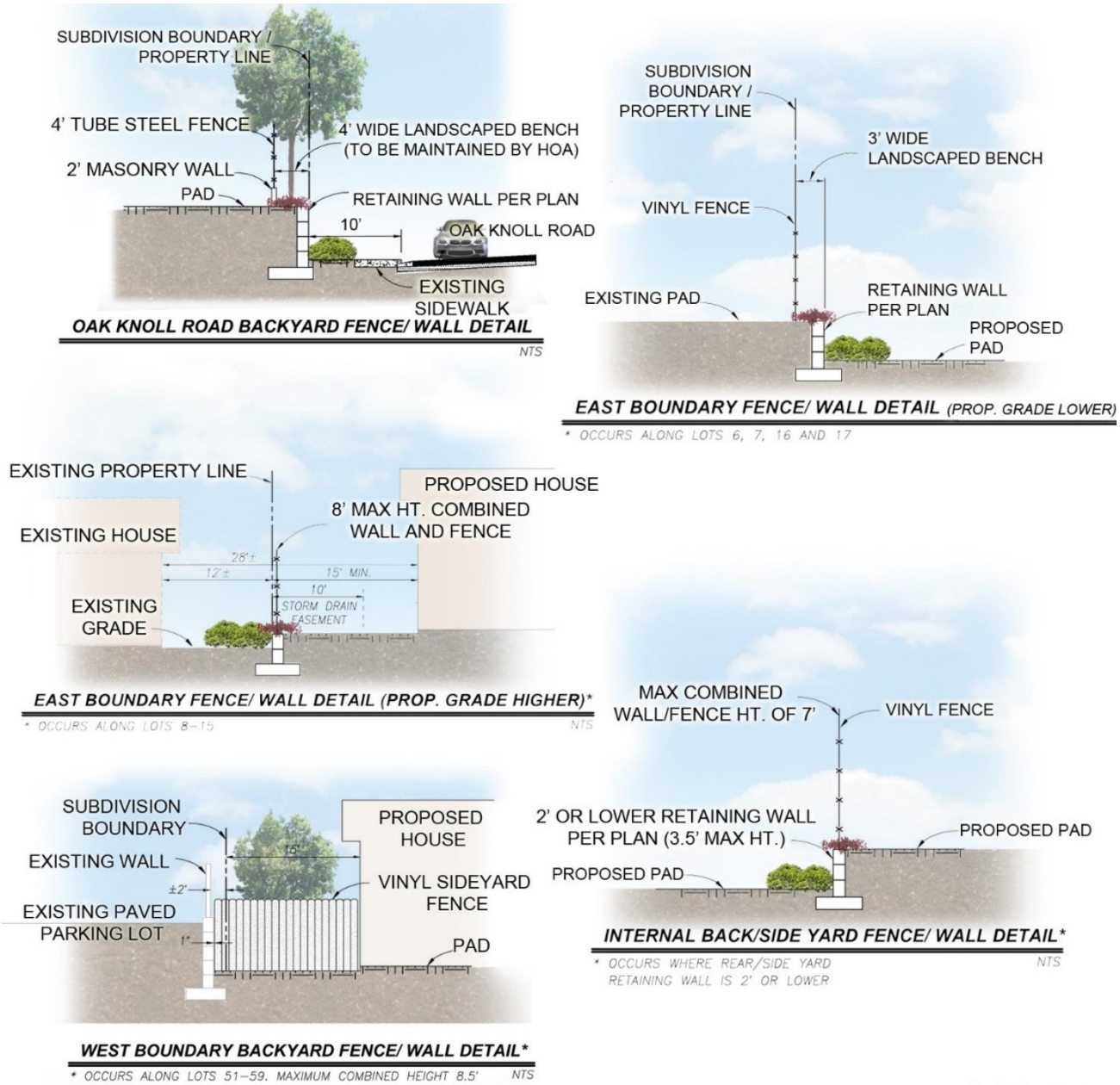
D VINYL FENCING AT EXISTING RETAINING WALL AT WESTERN PROPERTY LINE



E COMBO MASONRY WALL / TUBE STEEL FENCING

Exhibit 3.8: Conceptual Fence and Wall Details

Exhibit 3.9: Conceptual Fence & Retaining Wall Design depict the designs for combination fencing and retaining walls proposed at the perimeter and interior of the site. These designs are intended to be utilized to increase the buildable pad area of the proposed lots and/or provide additional space on the proposed lots to facilitiate additional separation between proposed and existing lots to enhance the privacy of existing homeowners. The project provides 5-foot vinyl fencing in both rear and side yard conditions to provide for privacy between private lots. Where the project is adjacent to existing single family homes, a 6-foot vinyl fence is provided. The Noise Technical Report for The Harmon Ranch Project (Dudek, July 2022) determined that noise attenuation walls are not required to comply with interior or exterior sound limits (per PMC 8.08.040).



Note: See Tentative Map for additional perimeter wall optional designs.

Exhibit 3.9: Conceptual Retaining Wall & Fence Design

Chapter Four
Mobility & Parking Plan

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Chapter 4 – Mobility & Parking Plan

4.0 Introduction

The Mobility & Parking Plan focuses on maintaining the rural character of the surrounding community, promoting an active lifestyle and providing safe and efficient vehicular and pedestrian access throughout the Specific Plan Area. Planned private streets provide access through the Specific Plan area. Access to the Specific Plan area is provided via existing Oak Knoll Road, a local collector road. The project includes a segment of the Community Trail identified in the Poway General Plan which has the potential to connect to the adjacent Towne Center Plaza and MTS local bus stops located on Poway Road. The objectives of the Mobility & Parking Plan include the following:

(1) Provide safe and efficient vehicular access throughout the Specific Plan Area.
(2) Provide adequate on-site resident and guest parking to avoid overflowing into adjacent public streets and neighborhoods.
(3) Provide a segment of the Community Trail through the Specific Plan Area that is open to the public.
(4) Provide safe pedestrian crossings and access to private recreational areas within the Specific Plan Area.

4.1 Street Classifications

As depicted on **Exhibit 4.1: Conceptual Mobility & Parking Plan**, the Specific Plan Area circulation is comprised of three unique private street designs (Streets A & C, B & D and E). Private streets are intentionally designed as low-speed streets to promote pedestrian and bicyclist mobility. A sidewalk or Community Trail is provided on one side of Private Streets A, B, C and D. Travel lane widths are a minimum of 24 feet as required for fire access and curved alignments create a physical condition that reduces driver comfort and forces slower speeds. Low speeds also allow the private streets to be shared with low-speed vehicles and bicycles. The internal street system consists of two types of private streets, private streets with an 8-foot parallel parking lane on one side and private streets without parking. The Community Trail is planned along Street A and a portion of Street C and a sidewalk is provided along Streets B and D. A crosswalk at Oak Knoll Road is planned to provide an enhanced pedestrian crossing within the Specific Plan Area. Pedestrian crossing signs will be posted and the crosswalk will feature striping and RRFBs. A public sewer, water and access easement will be recorded over all private streets.

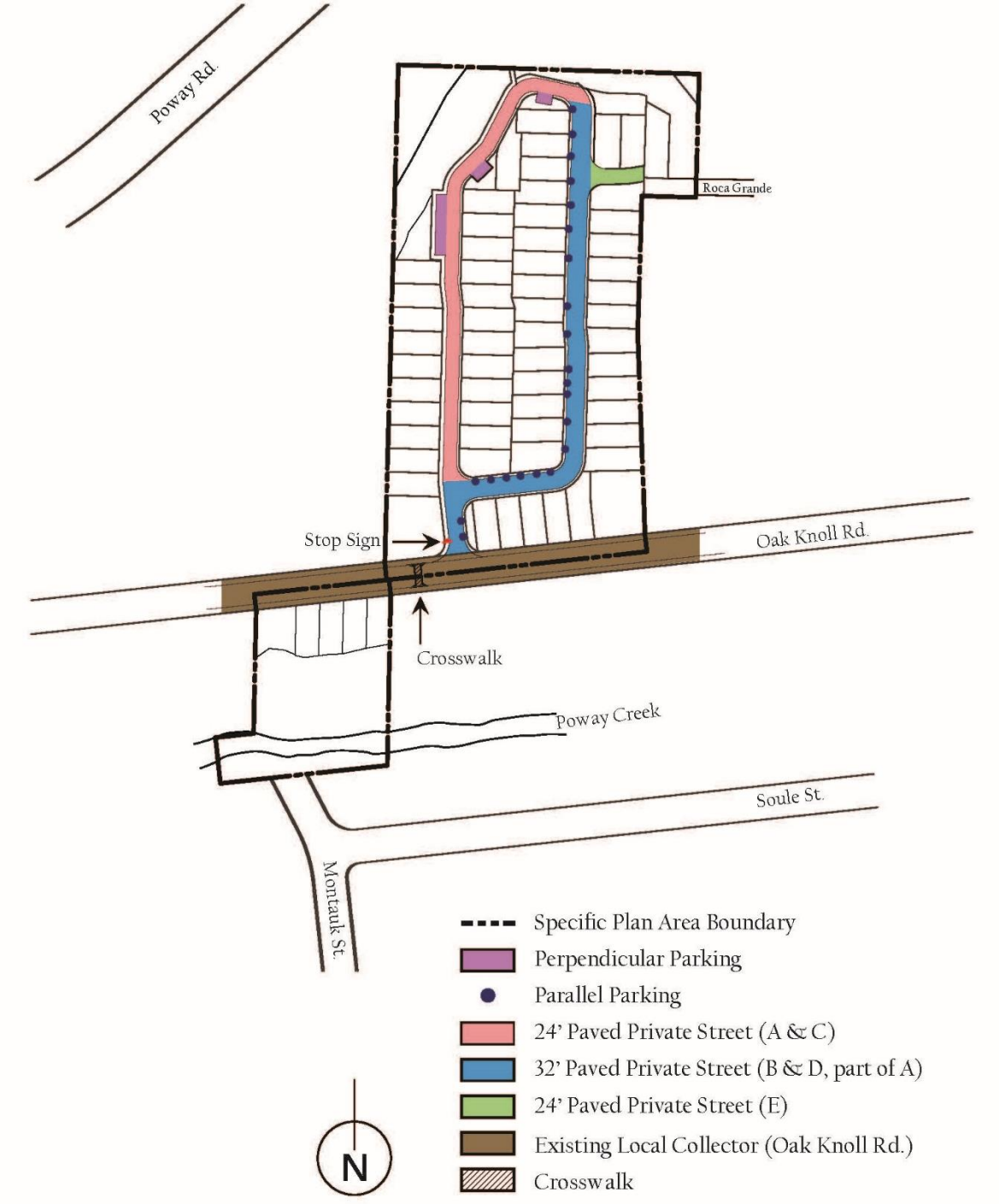
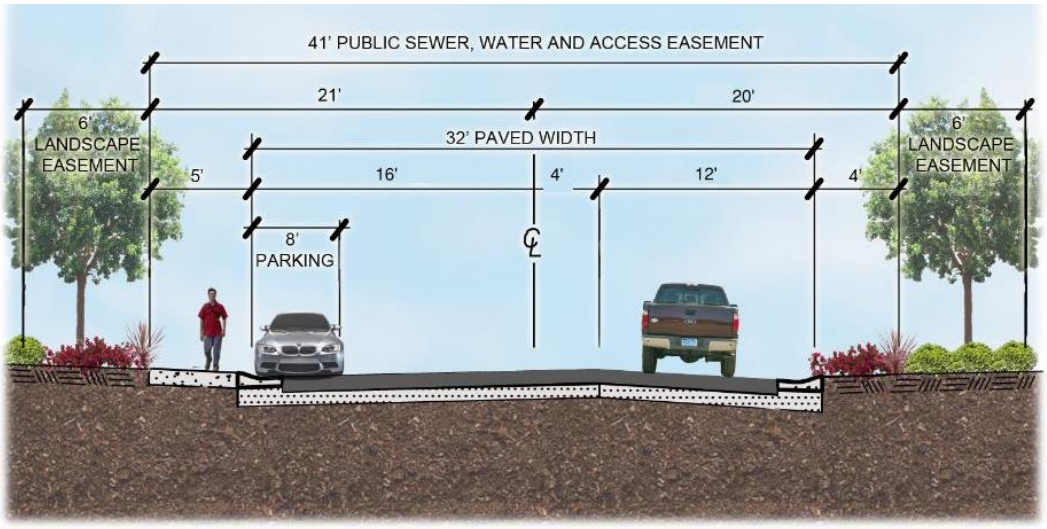


Exhibit 4.1: Conceptual Mobility & Parking Plan

Private Streets with Parking

Private streets with parking (Streets B and D) consist of a 41-foot-wide private road easement (See Exhibit 4.2: Private Street with Parking). The paved section of the roadway includes a 24-foot travel-way (one lane in each direction) plus an eight-foot parking lane on one side for a total dimension of 32 feet from curb to curb. The parking lane is accompanied by a five-foot sidewalk on one side. Shade trees will be planted in the private front yards, protected with a recorded six-foot wide landscape easement.



32' PAVED PRIVATE STREET
STREETS 'B' & 'D' AND PORTION OF 'A' NOT TO SCALE
PARKING PERMITTED ON ONE SIDE OF ROAD
20 MPH DESIGN SPEED

Exhibit 4.2: Private Street with Parking

Private Streets without Parking

Private streets without parking (Streets A and C) consist of a 33-foot-wide private road easement (see Exhibit 4.3: Private Street without Parking). The paved section of the roadway includes a 24-foot travel-way (one lane in each direction) measured from curb to curb. A five-foot sidewalk is provided on one side. Shade trees will be planted in the private front yards, protected with a recorded six-foot wide landscape easement. Please note, Street E is comprised of a 24-foot travel-way (one lane in each direction) with no parking or sidewalk for the short segment serving two residential lots.

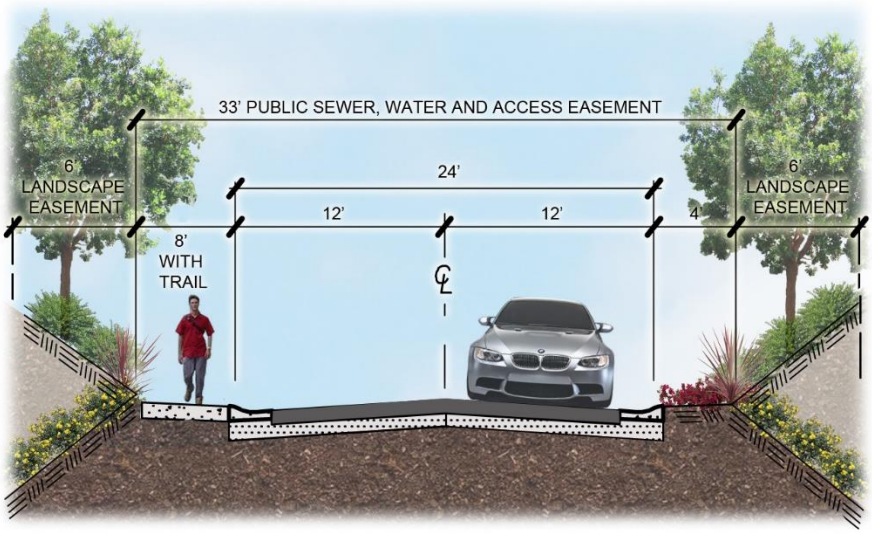


Exhibit 4.3: Private Street without Parking

4.2 On-site Parking

The proposed project is required to provide 126 on-site parking spaces, per PMC 17.08.160. The project exceeds the minimum requirements by 166 spaces, as depicted in **Table 4.1:** Parking Summary.

Table 4.1: Parking Summary

Units	RS-7 Requirement per PMC 17.08.160	Total
63	2 car garage	126

Parking Type	Required Spaces	Provided Spaces
Resident Parking		
2-car Garages[1]	126	126
Private Driveways[2]		126
Subtotal Resident Spaces	**126**	**252**
Guest Parking		
Parallel Spaces[3]		24
Perpendicular Spaces[4]		16
Subtotal Guest Spaces		**40**
Total Parking	**126**	**292**

Notes:

1. 2-car garages are a minimum of 20-feet x 20-feet clear of obstructions.
2. Private Driveways are 20-feet x 20-feet.
3. Parallel parking spaces are located along portions of Streets A, B and C and are 8-feet wide x 22-feet.
4. Perpendicular parking spaces are located along Street C and a portion of Street A and are 9-feet x 19-feet.

4.3 Traffic Calming Plan

The purpose of the Harmon Ranch Traffic Calming Plan is to lower the vehicle speeds on neighborhood streets without restricting access. The overall goals of the Traffic Calming Plan are to:

- Improve the quality of life for residents;
- Reduce impacts of motor vehicles on streets;
- Create safe and attractive streets; and
- Create a friendly environment for pedestrians and bicyclists.

Traffic calming measures are designed to physically force drivers to slow down to avoid an uncomfortable driving experience. Traffic calming measures can also be designed to achieve a desired speed limit which drivers are physically compelled to meet. Design considerations include safety, maintenance, emergency vehicle access, self-enforcement and drainage. There are a variety

of traffic calming measures that are widely used throughout the United States. The Harmon Ranch Traffic Calming Plan includes the traffic calming measures described in Table 4.2: Traffic Calming Measures. The conceptual locations of proposed traffic calming measures are depicted in Exhibit 2.1: Illustrative Site Plan. The final locations of these measures will be determined during final engineering.

Table 4.2: Traffic Calming Measures

Traffic Calming Measure	Description	Benefit/Target
Gateway	Gateway treatments include the use of signs, landscaping, enhanced paving and community identification monuments placed at the entrance to a neighborhood announcing to motorist that they are entering a community where there is a significant change in the driving environment.	• Reduces speed • Improves safety • Enhances community aesthetics
Lane Narrowing	Travel lanes are narrowed by reducing the paving width from standards	• Reduces speed • Improves safety • Provides multi-modal accommodations
On-Street Parking	Striped diagonal parking or parallel parking along one or both sides of a street	• Reduces speed • Improves safety
Enhanced Paving	Physical measures such as colored, patterned and textured pavement within the travel lanes	• Reduces speed • Encourages safe and appropriate driving behavior • Enhances pedestrian safety • Enhances community aesthetic
Mid-Block Crossing	A mid-block crossing is intended to slow traffic and allow enhanced pedestrian crossings mid-block. Physical measures such as pedestrian crossing signage and RRFBs	• Reduces speed • Enhances pedestrian safety • Provide multi-modal accommodations where appropriate

4.4 Community Trail

An eight-foot-wide segment of the Community Trail is planned between Oak Knoll Road and the north portion of the Specific Plan Area. As planned in the Poway General Plan, the Community Trail may connect to the Towne Center Plaza in the future, subject to the adjacent property owner's cooperation. The Community Trail is planned along Street A and a portion of Street C. See Exhibit 2.1: Illustrative Plan for the Community Trail location.

Chapter Five
Community Design Guidelines

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Chapter 5 – Community Design Guidelines

5.0 Introduction

The purpose of this chapter is to establish architectural and landscape guidelines intended to create a harmonious and intimate residential neighborhood, complimentary to the rural character of existing neighborhoods.

5.1 Architectural Design Guidelines

Architectural guidelines will provide the architectural styles, colors, and variety of elevation plotting to create a vibrant streetscape and avoid a street scene that appears repetitive.

Architectural Design Guideline objectives include the following:

- Provide a diverse palette of architectural styles compatible with the rural character of surrounding neighborhoods.
- Promote diversity in the residential street scene and create individuality between homes.
- Avoid a monotonous streetscape by incorporating a variety of architectural elements on the front elevations.
- Utilize a variety of muted colors and quality materials that align with the character and design of the intended architectural styles.

5.1.1 Architectural Styles

To promote diversity in the residential street scene and create an interesting mix of architectural styles which are compatible with the existing rural character of surrounding neighborhoods, the following architectural styles will be implemented within Harmon Ranch:

- Santa Barbara
- Ranch
- Farmhouse
- Monterey

Exhibit 5.1 Conceptual Architectural Elevations

The following section describes each architectural style in greater detail. Styles may be represented as traditional or contemporary interpretations. A summary of Typical Features is intended to identify the minimum characteristics, such as massing, materials and roof form that are needed to successfully express the architectural style. Common Enhancements include features that may be provided but are not required within each particular style of home. Common Enhancements are provided to inspire additional design elements that may be added to further support the expression of the selected style.

A. Santa Barbara

In reference to the Mediterranean and formal Spanish Revival styles, the structural elements of Santa Barbara architecture include long and rectangular forms accentuated by horizontal massing of single-story roof elements utilizing low pitched roofs. The style is marked by the prominent use of smooth plaster (stucco) wall and built-up stucco eaves; clay tile hip, shed, or flat roofs; and arched elements. Other characteristics typically include small porches or balconies, taller windows or fenestrations, window shutters, canvas awnings, decorative patterned tile and iron detailing.

Table 5.1: Santa Barbara Style Characteristics

Element	Typical Features	Common Enhancements[1]
Massing	• Horizontal massing with some vertically accented elements. • Single story roof edges	
Roof	• Shallower roof pitches: 3:12 to 5:12 • Hip and/or gable roof form • Overhang: 6" – 18" eaves with tighter rakes conditions • Built up stucco eave • Barrel or 'S" tile roofing	• Exposed rafters • Boosted roof tiles
Primary Entry Feature	• Front porch with simple arched openings • Rectangular shaped door • Header trim • Surface mounted lighting at entry to complement style	• Decorative tile surround
Windows	• Multi-paned windows on front and highly visible side and rear elevations • Simple window trim accents	• Bay windows • Thickened header trim • Shutters • Window Boxes
Wall Cladding	• Sand finished stucco	
Garages	• Raised panel garage door • Header trim	• Carriage door appearance • Surface mounted lighting complementary to style • Corbels at corners or arch header
Colors	• Body: Light neutral tones • Trim: Darker earth tones • Accents: Light or dark shades in contrast with body color	

[1] Common Enhancements include features that may be provided but are not required within each particular style of home.

B. Farmhouse

The Farmhouse style represents the typical American farmhouse, which can be found throughout the United States. Farmhouses became a symbol of the rural agrarian style, its simplicity, and functionality. Originating during colonial times, early examples of the farmhouse style borrowed design elements from Cape Code and other Colonial styles including dormers, broad and wrapped front porches and symmetrical massing. Modification to the style over time reflected advancements in construction techniques and the availability of local materials. Today a resurgence in popularity of this style is expressed in the Modern Farmhouse, which combines the predominant design features expressed with simplified, contemporary lines and minimal but thoughtful detailing that is rustic and utilitarian in appearance.

Table 5.2: Farmhouse Style Characteristics

Element	Typical Features	Common Enhancements[1]
Massing	• Simple symmetrical or asymmetrical	
Roof	• Steep roof pitch: 6:12 to 12:12 • Gable roof form • Deep overhang: 12" – 16" • Open eaves • Smooth, flat concrete tile (shingle appearance) and/or metal (metal roof materials limited to gabled dormers, cupolas, weather vanes, porches, verandas and accent roofs)	• Gabled dormers • Cupolas • Weather vanes
Primary Entry Feature	• Rectangular shaped door • 2-6 panels and/or glass panes in door • Front porch with simple squared supports and shed roof • Surface mounted lighting at entry to complement style	• Porches • Simple wood railings on porches • Thickened header trim • Porch supports with piers, double squared columns and/or battered columns • Dutch doors
Windows	• Vertical, two-over-two windows on front and highly visible side and rear elevations • Simple window surrounds (minimum 2x4)	• Bay windows • Multi-paned windows • Thickened header trim • Extended sills • Shutters • Window boxes
Wall Cladding	• Horizontal and/or vertical siding (may be combined with stucco) • Changes in material type or direction to create a finished look	
Garages	• Raised panel garage door	• Barn door or carriage door appearance • Surface mounted lighting complementary to the style
Details		• Louvered attic vents
Colors	• Body: Whites or light tinted colors • Trim: Whites or light shades complementary to body color • Accents: Light or dark shades in contrast with body color	

[1] Common Enhancements include features that may be provided but are not required within each particular style of home.

C. Ranch

Inspired by the ranch houses and haciendas built in California during the lates 1800s, architect Cliff May adapted this style in the mid-1930s to meet the needs of large families. The Ranch home incorporates many of the original design concepts including strong indoor-outdoor relationships, low-to-the-ground and horizontal massing and casual living with open floor plans that maximize living space and the enjoyment of California's mild climate. Materials typically include siding, brick and stucco. Although Ranch style homes were predominantly single story, two-story ranch homes focus on maintaining vertical massing through proper roof design and limited or recessed second stories.

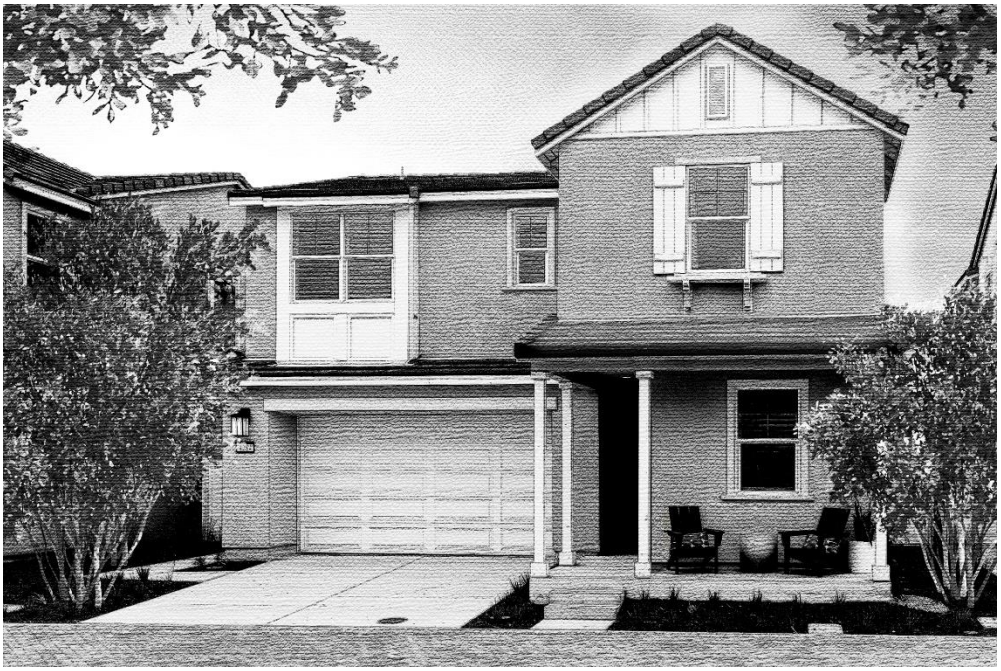


Table 5.3: Ranch Style Characteristics

Element	Typical Features	Common Enhancements[1]
Massing	• Horizontal massing with strong indoor-outdoor connectivity	
Roof	• Steep roof pitch: 4:12 to 5:12 • Hip and/or gable roof form • Deep overhang: 18" – 24" • Open eaves • Smooth, flat concrete tile (shingle appearance)	• Dormers • Deeper overhangs up to 36" • Exposed rafters
Primary Entry Feature	• Rectangular shaped door • 2-6 panels and/or glass panes in door • Simple door surrounds, minimum 2'x6' • Front porch with simple squared supports • Surface mounted lighting at entry to complement style	• Simple wood railings on porches • Side lites • Thickened header trim above door. • Porch supports with double squared columns or thickened square columns
Windows	• Multi-paned windows on front and highly visible side and rear elevations • Simple window surrounds (minimum 2'x6')	• Bay windows • Thickened header trim • Extended sills • Shutters • Window Boxes
Wall Cladding	• Horizontal and/or vertical siding (may be combined with stucco) or stucco with masonry or shingle siding • Changes in material should occur on an inside plane or be separated by a raised horizontal band	
Garages	• Raised panel garage door	• Carriage door appearance • Surface mounted lighting complementary to style
Details		• Masonry chimney and accents • Louvered attic vents
Colors	• Body: Light to dark earth tones • Trim: Off-whites or earth tones to contrast body color • Accents: Light or dark shades in contrast with body color	

[1] Common Enhancements include features that may be provided but are not required within each particular style of home.

D. Monterey

The Monterey Style originated in Southern California while still under Mexican rule. Monterey style homes are easily identified by the second story front balcony that dominates the front elevation. Although Spanish in origin, the Monterey style often incorporates materials such as brick and roof shingles, which are typically expressed in other Spanish architectural styles. This deviation from the typical Spanish palette of materials makes Monterey style highly versatile and complementary to a wide range or other architectural styles.

Table 5.4: Monterey Style Characteristics

Element	Typical Features	Common Enhancements[1]
Massing	• Symmetrical or asymmetrical, rectangular, horizontal	
Roof	• Low to moderate roof pitch: 4:12 to 7:12 • Gable roof form • Shallow to moderate overhang: 12" – 24" • Open eaves • Barrel or 'S" tile roofing	• Dormers • Deeper overhangs up to 36" • Exposed rafter tails and/or beams • Shed roof at single story elements or balcony
Primary Entry Feature	• Rectangular, arched or flat arched shaped door • Planked or paneled appearance; for paneled doors, a minimum of 2-6 panels • Simple door surrounds • Covered stoop or porch • Surface mounted lighting at entry to complement style	• Grates, speak easy or limited lites in door • Rustic hardware such as strap hinges • Thickened and/or shaped header trim at door • Shaped balcony columns, railings and supports
Windows	• Vertical, multi-paned windows on front and highly visible side and rear elevations • "Wood" or stucco on foam window surrounds or recessed windows	• Vertical window groupings • Thickened and/or shaped header trim • Extended sills • Shutters • Deeply recessed windows
Wall Cladding	• Stucco	• Masonry or masonry accents
Garages	• Raised panel garage door	• Carriage door appearance • Surface mounted lighting complementary to style
Details		• Painted arbor or vine trellis • Masonry chimney and accents • Brackets, corbels and/or braces, particular at balcony cantilever • Metal gates, grills and similar accents
Colors	• Body: White or light beige • Trim: Off-whites, rust or light to dark browns • Accents: Greens, blues and reds	

[1] Common Enhancements include features that may be provided but are not required within each particular style of home.

5.1.2 Street Scene Plotting

The primary goal of these guidelines is to create attractive, diverse and interesting street scenes that do not appear as a monotonous pattern of similar homes. To achieve this goal, the proposed community includes three floor plans ranging from 2,638 to 3,135 square feet featuring four bedrooms, three bathrooms and a two-car garage. Four architectural styles will be mixed between the three plans to increase diversity of character and interest throughout the neighborhood. To achieve this goal, the mix of floor plans and elevation styles should seek to achieve the following:

(1) Provide a minimum of three floor plans and elevations.
(2) For each series of elevations, select architectural styles that are noticeably different in appearance to ensure visual variation between homes.
(3) Homes with the same combination of floor plan and elevation should not be plotted immediately adjacent to or face one another.

5.1.3 Roof Forms

The visibility of homes from a distance is influenced by the variety of roof forms and heights. In addition, the roof form is the defining element of architectural style and can serve to greatly reduce the perceived mass and scale of a home from the street. The following guidelines are provided to soften the impact of roof massing on individual homes as well as the overall street scene:

(1) Vary ridge heights, roof forms and roof pitch between adjacent homes to avoid similar silhouettes and achieve undulation in the skyline.
(2) Provide a variety of roof forms such as hipped roofs, gabled roofs, shed roofs, dormers to break up mass, reinforce style and create perceptible differences between adjacent homes.
(3) Design rakes and eaves to reflect the architectural style of individual homes and contribute to the architectural quality of the community.
(4) When provided, exposed rafter tails should measure a minimum of four inches and be painted or stained to match the color scheme of the home.
(5) When appropriate to style, broad eaves are encouraged to provide passive shading and cooling.

5.1.4 Entry Design

The design of the front door entries plays a crucial role in establishing curb-appeal and a pedestrian friendly street scene. The front door represents the interface between the public realm and private living space. Entries should be the primary focus of the front elevation. The following guidelines apply to entry design:

(1) Front doors should be designed to face the street whenever possible.

(2) Entry design should be consistent with the architectural style to include door style, material surrounds, lighting and hardware.
(3) Front entries should be covered by a minimum of 48 inches deep overhang, porch or similar projection to protect residents and visitors from inclement weather conditions.
(4) Incorporate porches or other appropriate elements to primary entrances to enhance primary entries, create a sense of arrival and express the architectural style of the home.
(5) Use color and materials to further enhance entries and convey their importance in the overall composition of the front elevation.

5.1.5 Windows

Windows are a major component of the elevation design and can be used to convey the architectural style of the home. The following guidelines apply to the selection and placement of windows when designing elevations:

(1) Select windows with proportion, shape and size appropriate to the architectural style and overall composition of the elevation.
(2) Placement off windows should reflect interior spaces, consider privacy of neighbors and encourage visual surveillance of the street, open space areas and other public areas.
(3) When provided, multi-paned windows may be achieved by providing true divided lites, insert grids or applied grids.
(4) When provided as appropriate to the architectural style, shutters should appear functional and sized to match the size of the adjacent window.
(5) Window hardware and details such as grates and pot shelves should be appropriate to the architectural style of the home.
(6) Recessed windows should have a minimum depth of 12 inches.
(7) Select high-performance windows in accordance with CalGreen to promote energy conservation and thermal comfort.
(8) Windows may be vinyl-wrapped, fiberglass, wood clad or wood.
(9) When applied to siding, stone or brick, trim materials should consist of wood or have a wood-like appearance. On stucco surfaces, trim may consist of stucco or foam.

5.1.6 Exterior Lighting and Fixtures

Lighting of residential lots should focus on providing safety and security as well as enhancing the street scene. The need for security and safety must be balanced with preserving the rural character of the community. While light should be adequate to create a welcoming appearance from the street, preserving the visibility of the night sky and the privacy and comfort of adjacent homes is important to maintaining harmonious relationships between neighbors and reducing excessive sky glow. Appropriate lighting for residential lots can be achieved as follows:

(1) Provide lighting along walkways and entries to welcome visitors and create safe walking conditions at night. Each home should be provided with at least one light fixture at each entry to the home.
(2) Use lighting to illuminate dark spaces and maximize the visibility of entry points into the home to deter criminals from hiding or breaking in through windows or doors.
(3) All lighting should consider neighboring properties by directing and shielding light downward to avoid spilling onto adjacent residences or into neighbor's windows.
(4) When highlighting architectural or landscape features, opt for lighting designs that achieve security and aesthetics.
(5) Select lighting fixtures that are complementary in style, color and materials to the architecture of home. Consider using lighting fixtures as focal point features where appropriate to reinforce the architectural style.
(6) When lighting is provided in garage soffits, light sources should be recessed and not surface mounted.
(7) Addresses should be illuminated so they are readily visible from the street in accordance with fire department standards.

5.1.7 Colors, Materials and Details

Color, material and detail selections offer an effective method of creating discernibly different homes along a street. Selections should reflect the intended architectural style and should be applied to convey high quality construction as provided in the following guidelines:

(1) Select a varied palette of colors and materials that are consistent with the architectural style of the home and support the rural design vision of the community.
(2) Consider the relationship between the range of colors, hues and material between the individual palettes to ensure that overall street scenes achieve a sense of individuality between residences while still resulting in a harmonious mix of homes.
(3) Select durable roof materials and colors that are consistent with the architectural style and complementary to the selected color schemes.
(4) For each color scheme specify color selections for body, trim and accents. Provide a minimum of three colors per home.
(5) For each front elevation and elevations visible from the public view, provide a minimum of two materials such as stucco, siding, stone, masonry or similar as appropriate to the style. Changes in the direction of siding and/or additional roof materials may be considered an additional material.
(6) Avoid plotting homes with the same color scheme immediately adjacent to or facing one another.

(7) Ensure material and color changes occur on an inside corner such as a porch, media niche or similar architectural pop-out such that the material change is concealed and the material application does not appear to be false.

5.2 Landscape Design Guidelines

The Specific Plan Area includes two open space land use districts – Open Space and Open Space-Recreation. The areas designated "Open Space" will remain natural. The following landscape design guidelines will be implemented within designated "Open Space – Recreation" areas, which includes manufactured slopes, areas adjacent to private streets and areas designed to meet the passive recreation needs of the residents and the public (Poway Creek Overlook). (See **Exhibit 5.2: Landscape Palette**).

In support of a consistent community theme and reinforcement of the rural character of the surrounding neighborhoods, the following plant palette provides a unified list of trees, shrubs, succulents and ground cover for use on internal manufactured slopes, landscaped common areas and Open Space – Recreation areas as well as the Poway Creek Overlook site. Street trees are also designated below.

Street trees and landscaping within common areas to be maintained by the Homeowner's Association, with maintenance requirements related to tree and shrub trimming and maintenance to be included in the community CC&Rs.

PLANT LEGEND

TREES	BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS
	ARBUTUS X MARINA * -	STRAWBERRY TREE	24" - 48" BOX	L
	CITRUS SPECIES -	CITRUS	24"- 48" BOX	L
	CERCIDIUM X DESERT MUSEUM + -	PALO VERDE	24"- 48" BOX	L
	KOELRUTERIA BIPINNATA *	GOLDEN RAIN TREE	24" - 48"BOX	L
	LAGERSTOEMIA INDICA -	CRAPE MYRTLE	24" - 48"BOX	M
	OLEA EUROPEA 'WILSONII' -	WILSON OLIVE	24" - 48"BOX	L
	PODOCARPUS GRACILIOR * -	FERN PINE	24" - 48"BOX	M
	PISTACIA CHINENSIS*+	CHINESE PISTACHE (MALE ONLY)	24" - 48"BOX	L
	QUERCUS AGRIFOLIA+ -	COAST LIVE OAK	24" - 96" BOX	L

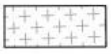
NOTE:

** DENOTES STREET TREES*
+ DENOTES SLOPE TREES
- DENOTES AMENITY/ENTRY TREES

TREES TO BE REMOVED

TO BE REPLACED WITH 24" QUERCUS AGRIFOLIA

SHRUBS & GROUNDCOVER	BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS
	AGAVE ATTENUATA	AGAVE	5 GAL	L
	ACACIA REDOLENS `LOWBOY`	LOWBOY BANK CATCLAW	5 GAL	L
	BACCHARIS PILULARIS	DWARF COYOTE BUSH	FLAT	L
	BOUGAINVILLEA SP.	BOUGAINVILLEA	5 GAL	L
	CALLISTEMON X `LITTLE JOHN`	BOTTLEBRUSH	5 GAL	L
	CAREX TUMULICOLA	BERKELEY SEDGE	5 GAL	L
	DIANELLA REVOLUTA `VARIEGATED`	VARIEGATED FLAX LILY	5 GAL	L
	ENCELIA CALIFORNICA	CALIFORNIA SUNFLOWER	5 GAL	L
	FESTUCA SISKIYOU BLUE	BLUE FESCUE	1 GAL	L
	HESPEROALOE PARVIFOLIA	RED YUCCA	5 GAL	L
	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	L
	MUHLENBERGIA CAPILLARIS ' PINK CLOUD '	PINK MUHLY	5 GAL	L
	RHAPHIOLEPIS INDICA `PINKIE`	INDIAN HAWTHORNE	5 GAL	L
	RHAPHIOLEPIS UMBELLATA `MINOR`	YEDDA HAWTHORN	5 GAL	L
	SALVIA LEUCANTHA	MEXICAN SAGE	5 GAL	L
	SENECIO MANDRALISCAE	BLUE CHALK STICKS	FLAT	L

TURF	BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS
	HYBRID BERMUDA GRASS	BERMUDA GRASS TURF	SOD	M

NON IRRIGATED HYDROSEED MIX		LBS/ACRE
	ESCHOLZIA CALIFORNICA	CALIFORNIA POPPY 2
	LUPINUS SUCCULENTUS	ARROYO LUPIN 2
	MUHLENBERGIA RIGENS	DEER GRASS 2
	SISYRINCHIUM BELLUM	BLUE-EYED GRASS 1
	STIPA PULCHRA	PURPLE NEEDLE GRASS 3

Exhibit 5.2: Landscape Palette

5.2.1 Conceptual Tree Plan

Trees are the backbone of landscape design. Street trees will be provided within the private homeowner lots, secured with a recorded landscape easement to ensure the trees remain in place in perpetuity. Street trees to be maintained by the Homeowners Association, with maintenance requirements provided in the CC&Rs. Additional trees are planned within open space areas distributed throughout the Specific Plan Area. In addition, replacement trees are planned to mimic the existing trees on the historic home site, as depicted on Exhibit 5.3: Conceptual Tree Plan.

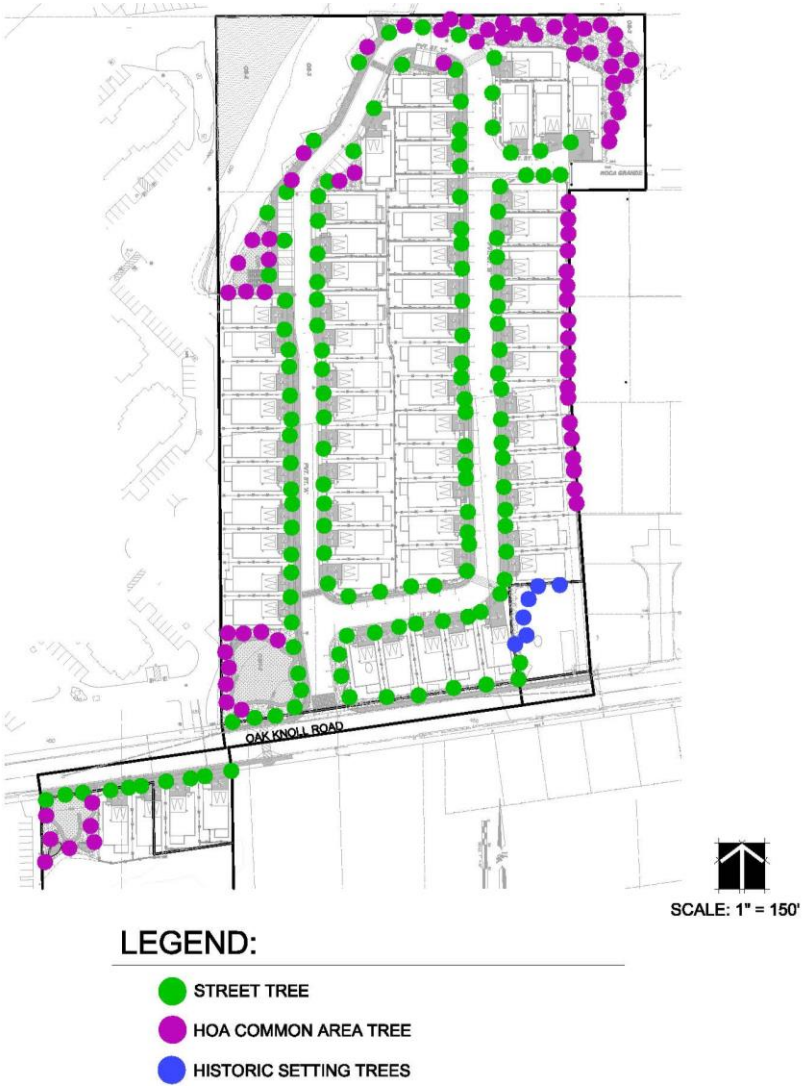


Exhibit 5.3: Conceptual Street Tree Plan

5.2.2 Open Space Landscape Concepts

Thematic landscape is a somewhat refined palette of ornamental and native plants that are emblematic of a rural landscape with year-round appeal. This landscaping theme will be implemented within the planned passive recreation areas identified in the Specific Plan as OS-R (1-8). Detailed descriptions of the OS-R areas planned to provide for passive uses follows.

The overlook planned on the south side of Oak Knoll Road is approximately 5,600 SF and includes an open turf area, two covered seating areas, landscaped planters and an open lawn area. This open space feature will be owned and maintained by the Community Association and open for public access and use. See Exhibit 5.4: Poway Creek Overlook (OSR-1) Conceptual Plan. Please note, the conceptual designs presented below may be modified during final design.

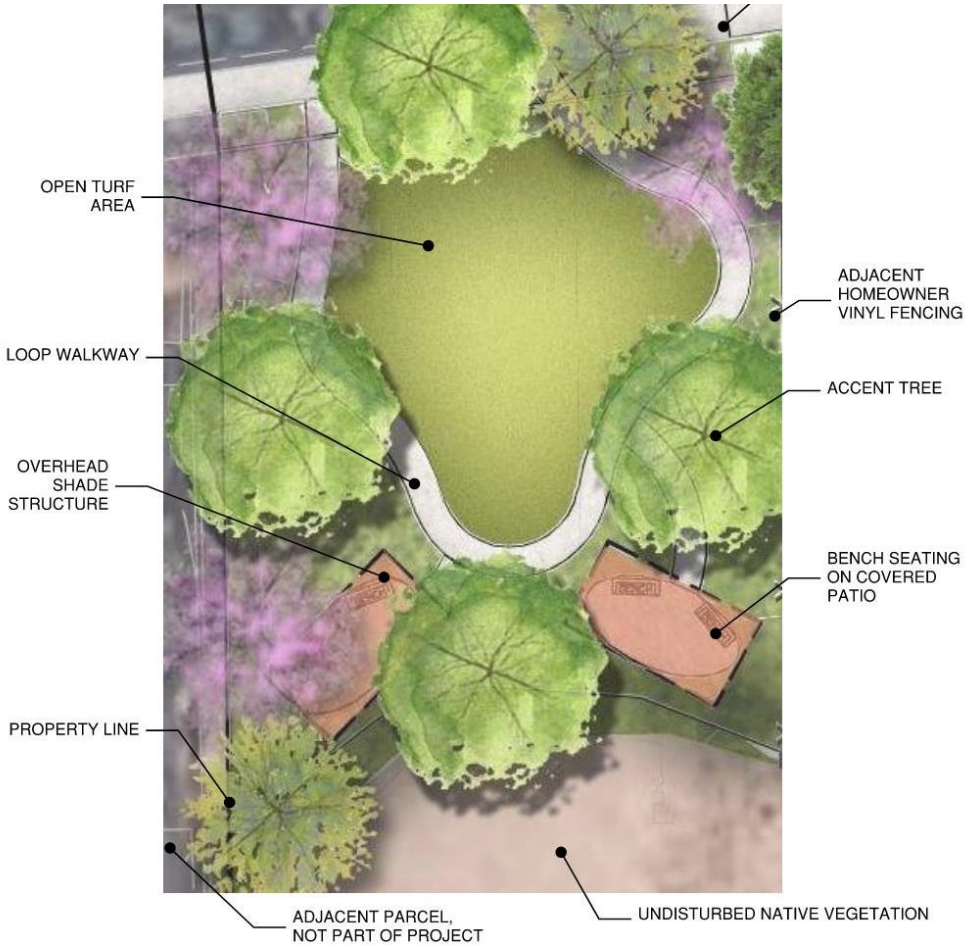


Exhibit 5.4: Poway Creek Overlook (OSR-1) Conceptual Plan

The open space recreation area designated OSR-2 is located adjacent to the community entry. The Entry Open Space Area is approximately 11,358 SF and is planned to provide an open lawn area for informal play and gathering, a looped walkway with bench seating, landscaped planter areas and shade trees. OSR-2 will be owned and maintained by the Community Association for use by residents. See Exhibit 5.5: Entry Open Space Area (OSR-2) Conceptual Plan. Please note, the conceptual design presented below may be modified during final design.

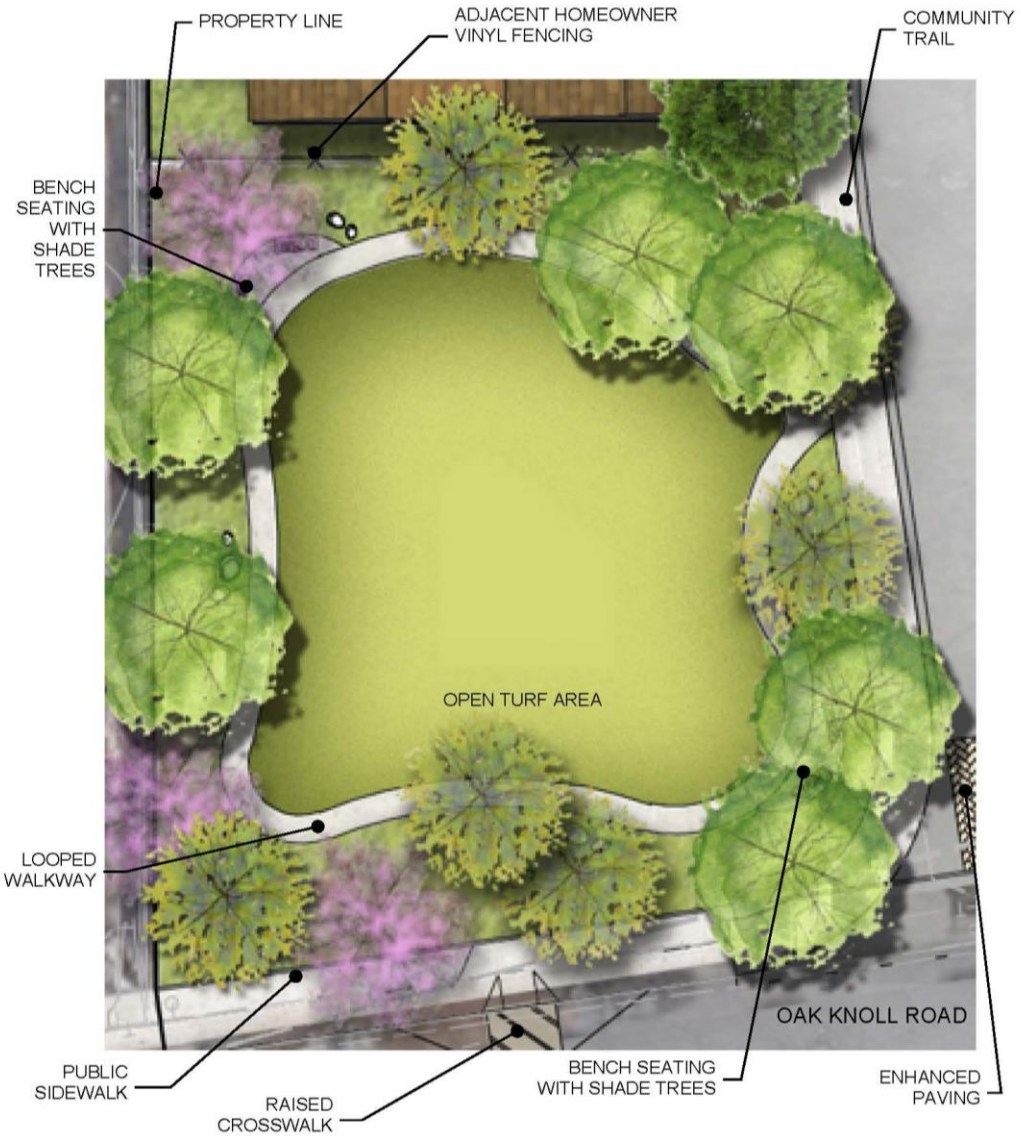


Exhibit 5.5: Entry Open Space Area (OSR-2) Conceptual Plan

The Open Space – Recreation area designated OSR-3 is approximately 4,511 SF and is centrally located along the extension of the Community Trail. This passive recreation area is planned to include an open turf area for casual play and gathering, an overhead shade structure with tables and BBQ, landscape planters and shade trees. See Exhibit 5.6: Central Open Space (OSR-3) Conceptual Plan. Please note, the conceptual design presented below may be modified during final design.

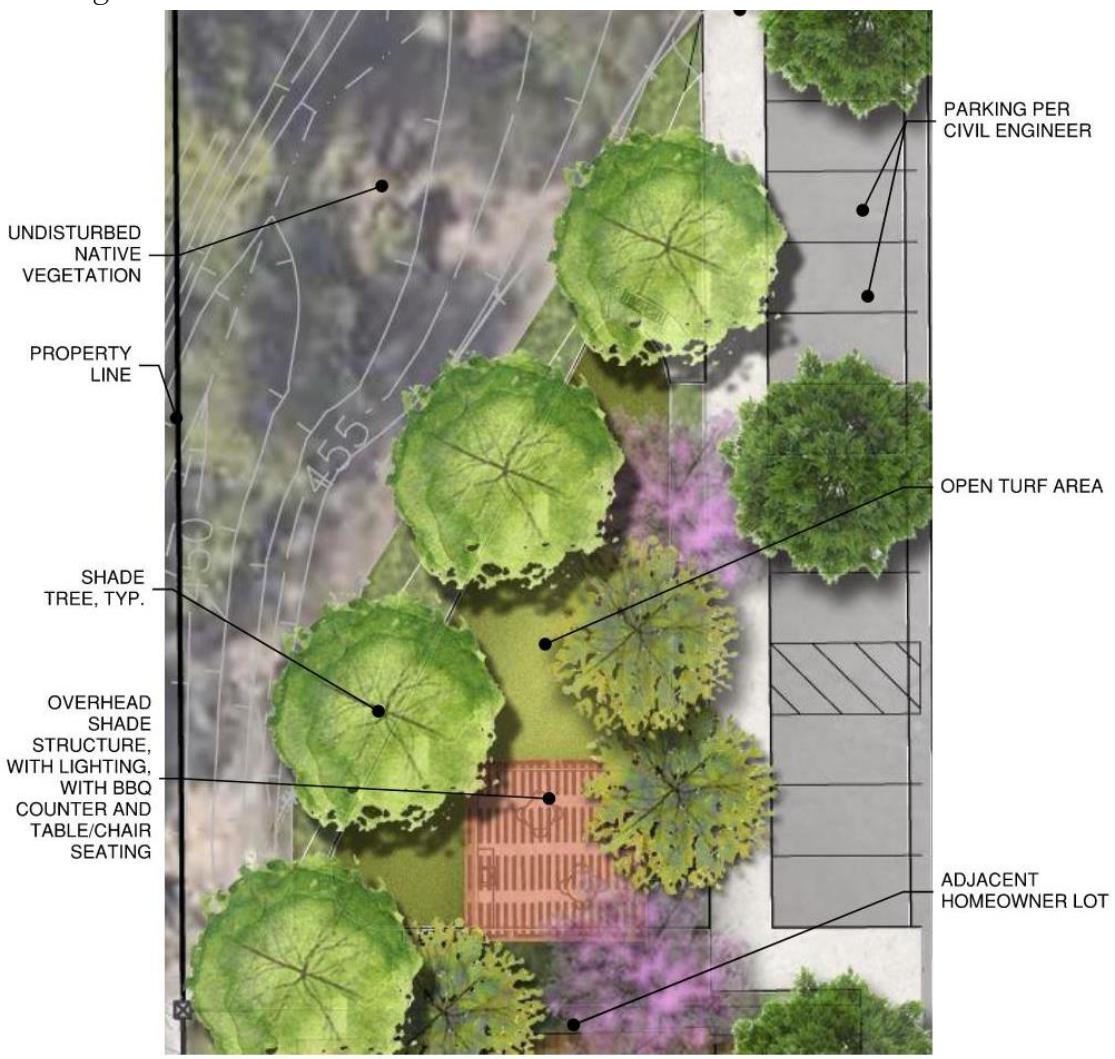


Exhibit 5.6: Central Open Space (OSR-3) Conceptual Plan

5.2.3 Residential Landscape Concept

Installation of front, side and rear yard landscaping shall comply with the requirements in Section 3.6 Landscape Requirements of this Specific Plan. Final designs will be subject to the provisions in the community CC&Rs and associated architectural guidelines.

5.4 Community Entry Monument

A community entry monument is planned at the intersection of Street A and Oak Knoll Road. This entry feature will be incorporated into the retaining wall design and will feature a decorative stone or block face with a decorative masonry cap, raised planter and metal pin mounted lettering. The sign portion of the entry will be illuminated with up-lights. The monument will be approximately 4 feet in height. The final community monument to be refined during final engineering. This simple, yet elegant feature will announce arrival into the Harmon Ranch neighborhood and provide the community with its own identity. The signage shall comply with the standards in the Poway Municipal Code and be subject to a Sign Permit. Please note, the conceptual design may be modified during final design. See Exhibit 5.7: Conceptual Community Entry Monument.

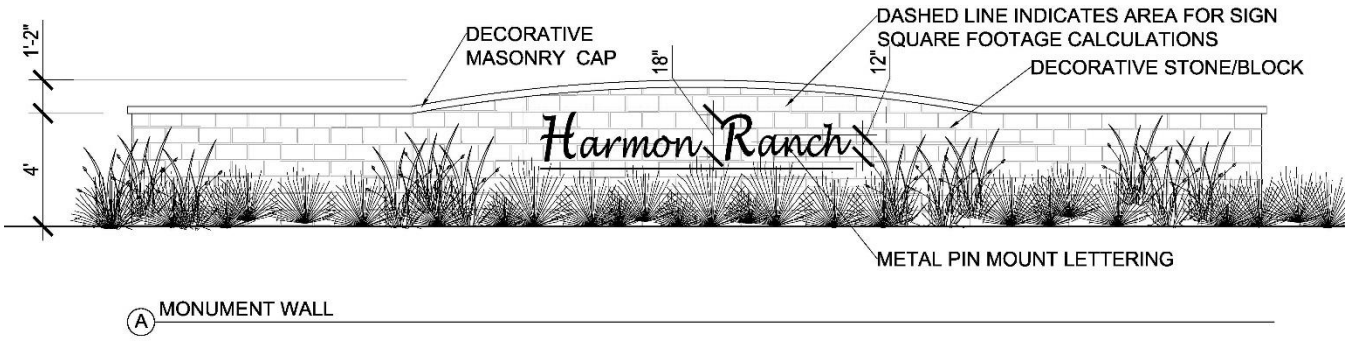


Exhibit 5.7: Conceptual Community Entry Monument

5.5 Wall and Fence Design

Walls and fencing provide safety, privacy and contribute to the community style and theme. Refer to Exhibit 3.7: Conceptual Fence and Wall Plan for proposed wall and fence locations and wall details. Within Harmon Ranch, vinyl fencing is proposed at the rear and side yards. At the perimeter of the project adjacent to Oak Knoll Road and existing homes, a combination of up to three feet of block retaining wall and vinyl fence is proposed to enhance the privacy of neighbors.

5.6 Conformance to Design Guidelines

It shall be the duty of the Community Association to review and approve proposed construction for compliance with Community Design Guidelines. Submittal to the City with Community Association approval constitutes Community Association review and approval of architectural and landscape design. The City has the duty to review proposed construction for conformance with Chapter 6, Community Design Guidelines in addition to ensuring compliance with the PMC and, accept where exempt, all construction requires a building permit.

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Chapter Six
Grading, Utilities & Services

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Chapter 6 - Grading Utilities & Services

6.0 Introduction

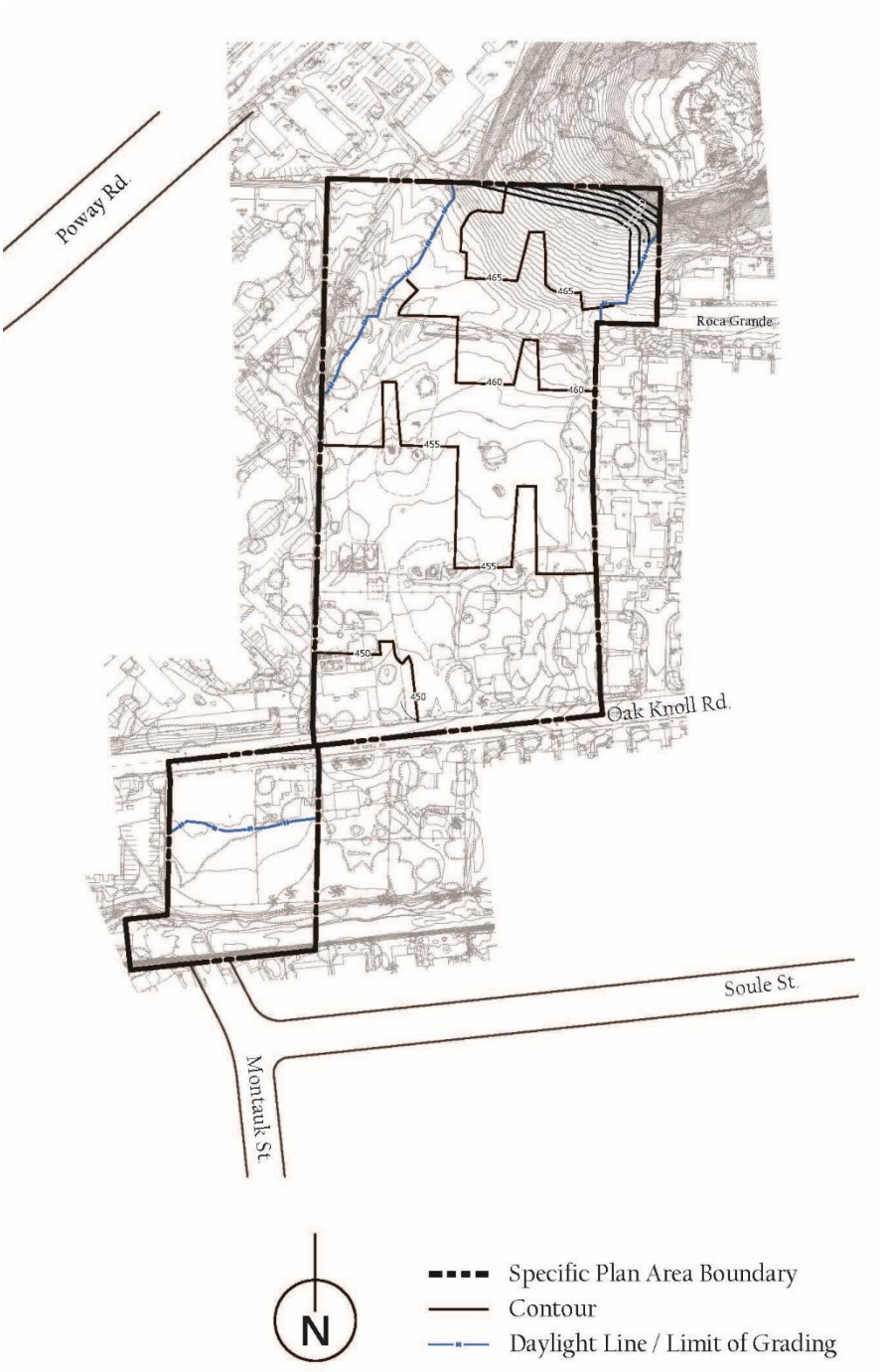
This chapter provides an overview of the grading plan, utility plans and services necessary to support development of the Harmon Ranch project. The intent is to provide the basic utilities and services to ensure the community functions properly but also seeks to conserve onsite resources by implementing best management practices, low impact development practices, water and energy conservation measures and adequate public services such as schools, fire protection and public safety.

6.1 Grading and Drainage

6.1.1 Grading

Grading of the site respects the existing topography to the extent feasible for implementing the plan and adheres to PMC Grading Standards unless otherwise shown and as recommended in the Geotechnical Report prepared by GEOCON dated July 15, 2022. Grading for the site is balanced at 19,250 Cubic Yards of cut and fill to avoid export or import of dirt. **Exhibit 6.1: Conceptual Grading Plan** highlights how dirt will be distributed throughout the site. Cut and fill slopes are designed at a slope ratio of 2:1 maximum, as shown on **Exhibit 6.2: Conceptual Cut and Fill Plan**.

Exhibit 6.1: Conceptual Grading Plan



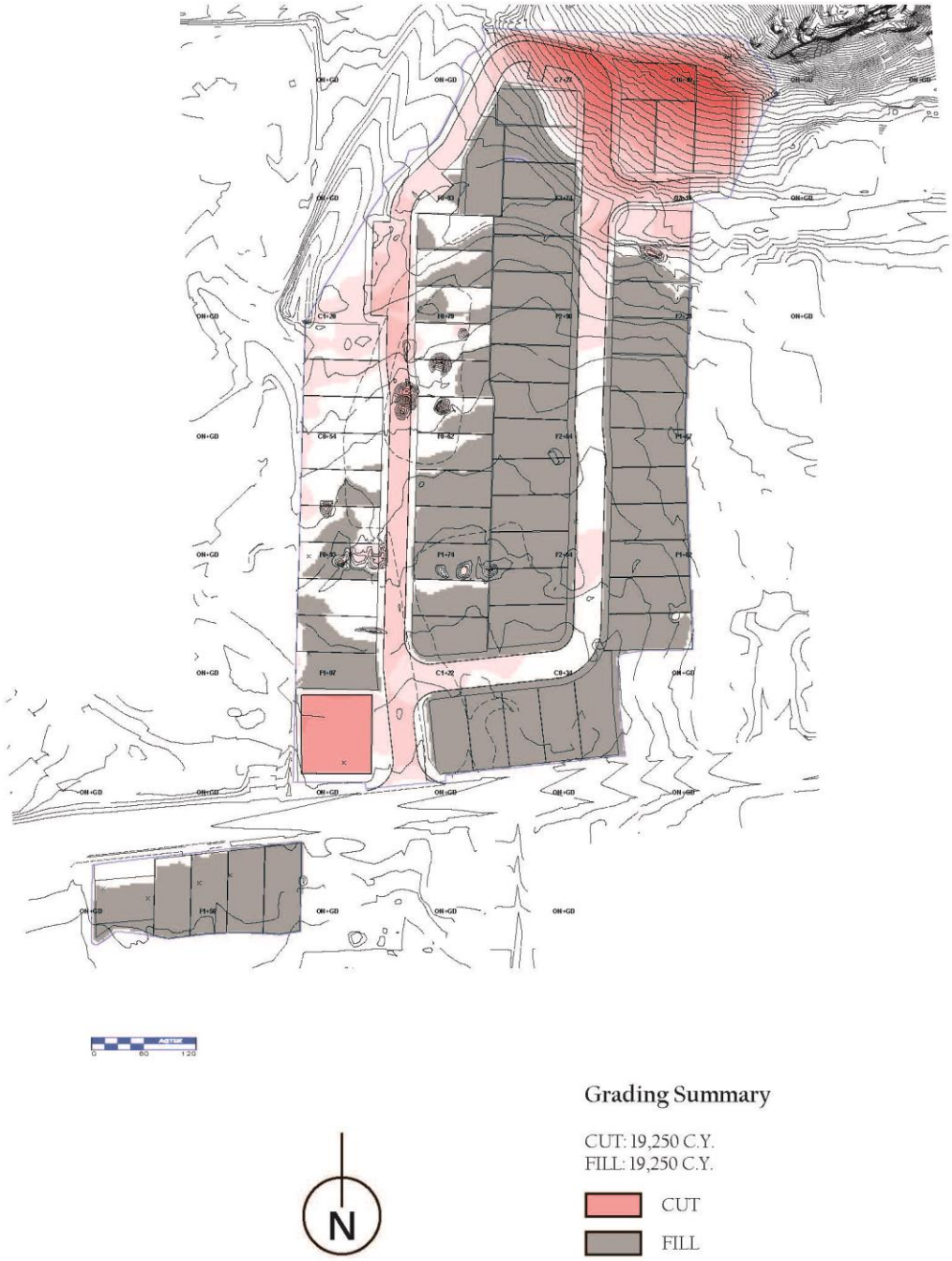


Exhibit 6.2: Conceptual Cut and Fill Plan

6-6.1.2 Drainage

The site drains generally from north to south and discharges to an existing 36" RCP storm drain located in Oak Knoll Road. An existing open channel across the northwestern portion of the site drains southwesterly to the adjacent apartment site. Drainage is conveyed offsite within an 8'x5' Reinforced Concrete Box in a southwesterly direction. The 36" Oak Knoll Road system joins the 8'x5' RCB that discharges to the west of the Specific Plan into Poway Creek.

The southerly portion of the site is within a FEMA AE Zone and will be raised above the flood elevation in accordance with FEMA regulations.

The Specific Plan accepts storm water from adjoining properties to the north and east. The northern drainage bypasses naturally through the site as previously described. Drainage from existing home sites to the east is conveyed in a by-pass storm drain system directly to the existing Oak Knoll Road system (See **Exhibit 6.3: Conceptual Drainage Plan**).

The grading plan is designed to drain all storm water directly to private streets. Once in the street, storm water is collected by catch basin and inlets and a system of private underground storm drain pipes.

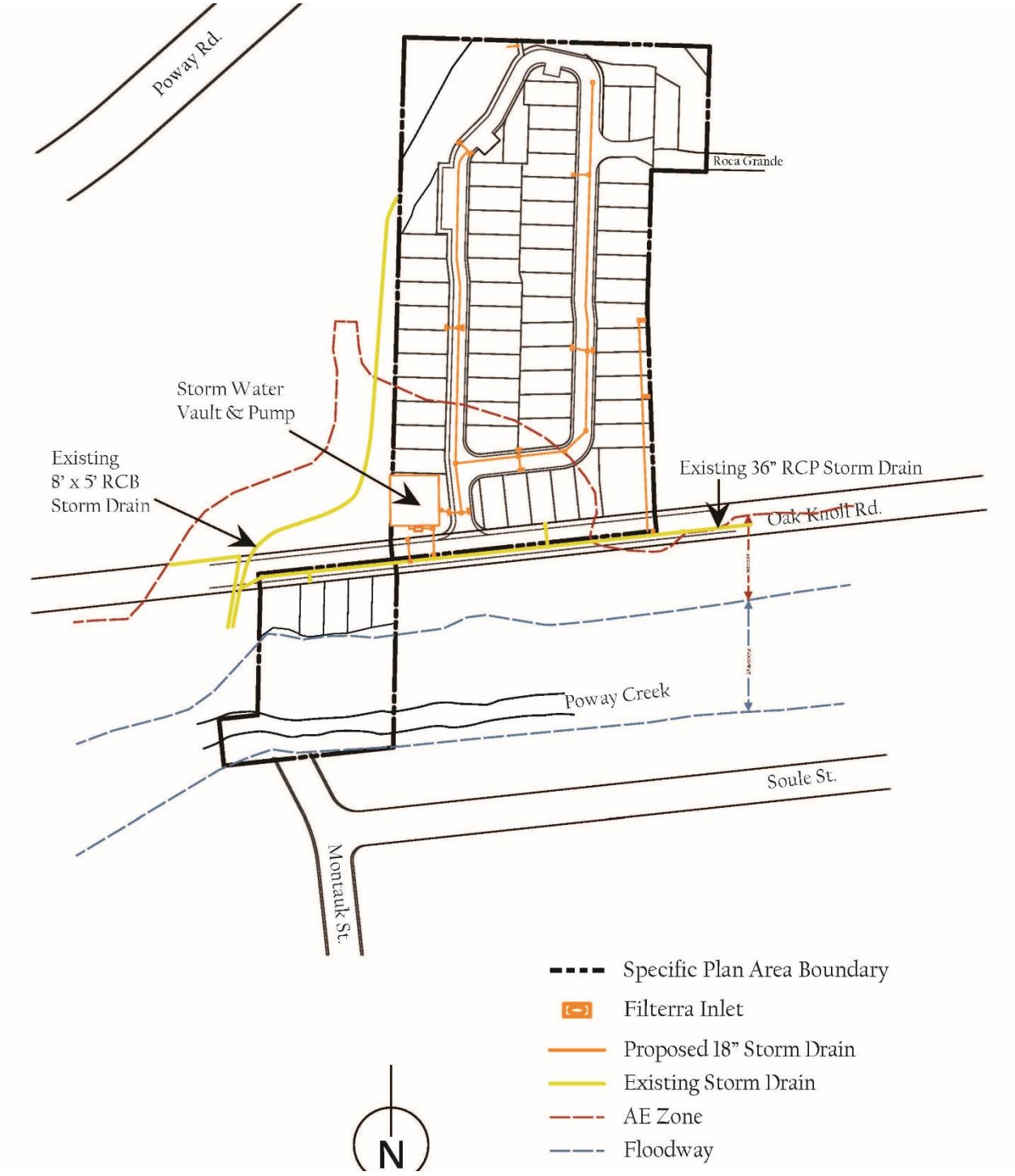


Exhibit 6.3: Conceptual Drainage Plan

6.1.3. Stormwater Treatment

The City's strategy and policy direction is to reduce discharge of pollutants into the stormwater conveyance system through implementation of best management practices (BMPs). Adopted in 2015, the City of Poway Jurisdictional Runoff Management Program includes implementation of BMP requirements, water quality monitoring, educational outreach, municipal maintenance procedures and inspection and enforcement programs. The City conducts annual storm drain facility rehabilitation and replacement projects as needed. Development projects throughout the City are required to implement site-specific storm drain improvements and contribute fees toward regional improvements.

Stormwater runoff collected from the Specific Plan area may contain high sediment loads and many types of pollutants, including oil and grease, chemicals, pesticides, heavy metals, bacteria, viruses and oxygen-demanding compounds. The primary method for treating this stormwater involves a series of bioretention basins. Stormwater is collected and conveyed to these basins via a series of private catch basins and pipes located within private streets. Once collected, the bioretention basins are designed to slow the velocity and volume of water, a process called hydromodification, and treat stormwater through various processes collectively referred to as bioretention.

Hydromodification is important to protecting stormwater quality by preventing flooding, sedimentation and erosion downstream. Flooding of areas that are normally dry can result in chemicals, fuel, trash, bacteria and other potential pollutants entering the natural drainage system. Sedimentation and erosion can also damage the environment by altering the physical characteristics of water bodies that provide habitat for plant and animal species.

Biofiltration is important to protecting stormwater quality by removing potential pollutants within water prior to leaving the site. Biofiltration removes pollutants in a variety of ways:

Evapotranspiration: The process in which water is transferred from the soil by evaporation and from plants by transpiration into the air, leaving the pollutants behind.

Nutrient Cycling: The process in which plants extract nutrients, i.e., organic and inorganic matter that can affect water quality, back into the production of organic matter.

Filtration: The process through which runoff filtrates through grasses, grates and screens that remove pollutants.

Water quality measures require maintenance by the Community Association to ensure they continue to operate properly. Maintenance includes repairing erosion, removing sediment and trash, mowing and managing vegetation and ensuring filters are not blocked and are functioning properly. Post treatment, stormwater is released from basins into bypass pipes

which convey existing ditches, channels or pipes that are part of the City's existing storm drain system.

In addition to treatment methods within the stormwater system, pollution prevention strategies, including the Stormwater Pollution Prevention (SWPP) for construction are specifically designed to protect stormwater from potential contamination.

As further described in the Harmon Ranch Drainage Report (Hunsaker July 2022), the community proposes catch basins and inlets containing Filterra units that provide the required water quality. The stormwater is then conveyed to an underground vault system for storage to meet hydromodification requirements. The vault discharges to the Oak Knoll Road 36" RCP storm drain system. Due to the relatively shallow grade of the exiting storm drain, the storage vault is pumped to the discharge point.

6.2 Domestic Water Source and Supply

The City's Public Works Department will provide domestic water to Harmon Ranch. The San Diego County Water Authority (SDCWA) provides 99 percent of Poway's water in the form of untreated water, with the remaining demand met through recycled water purchased from the City of San Diego. SDCWA is supplied water by the Metropolitan Water District of Southern California (MWD), water transfers from the Imperial Irrigation District and desalinated water from the Carlsbad Desalination Plant. MWD water derives primarily from the State Water Project and the Colorado River. All imported water is treated locally at the City's water treatment plant and then distributed via a complex and comprehensive system of pumps and pipes.

Over the past decade, water in California has become an increasing concern. Severe droughts have resulted in a host of issues related to water quality and adequate supply to serve the state's growing population. Recognizing the importance of conserving and efficiently managing limited water resources, the City adopted the 2015 Urban Water Management Plan (UWMP). The UWMP provides a framework for Poway's long-term water management and provides public information regarding planning efforts to ensure an adequate supply of clean and potable water remains available for existing and future homes and businesses. The UWMP is updated every five years. Any future modification to the Specific Plan's water distribution system shall comply with the most current UWMP.

The Harmon Ranch Specific Plan Area is served by the 715 Zone. The on-site water system proposed for the project consists of a series of 8-inch pipes as illustrated in **Exhibit 6.4: Conceptual Water Plan**, to create a looped system that serves all of the homes within the Specific Plan Area. The internal looped system will connect to the existing 6" line in Roca Grande Road and the existing 10" line in Oak Knoll Road.

The planning criteria used to evaluate the potable water system requirements for the Specific Plan Area are in accordance with the City of Poway Potable Water Master Plan Update, dated June 2008 (City of Poway 2008 Water Master Plan) which outlines minimum and maximum allowable pressures and velocities in the public water system. under different operating conditions. Potable water demand for the Specific Plan Area was estimated using water demand factors provided in the City of Poway 2008 Water Master Plan. The estimated average potable water demand for the project is 18.48 gpm or 26,611 gpd.

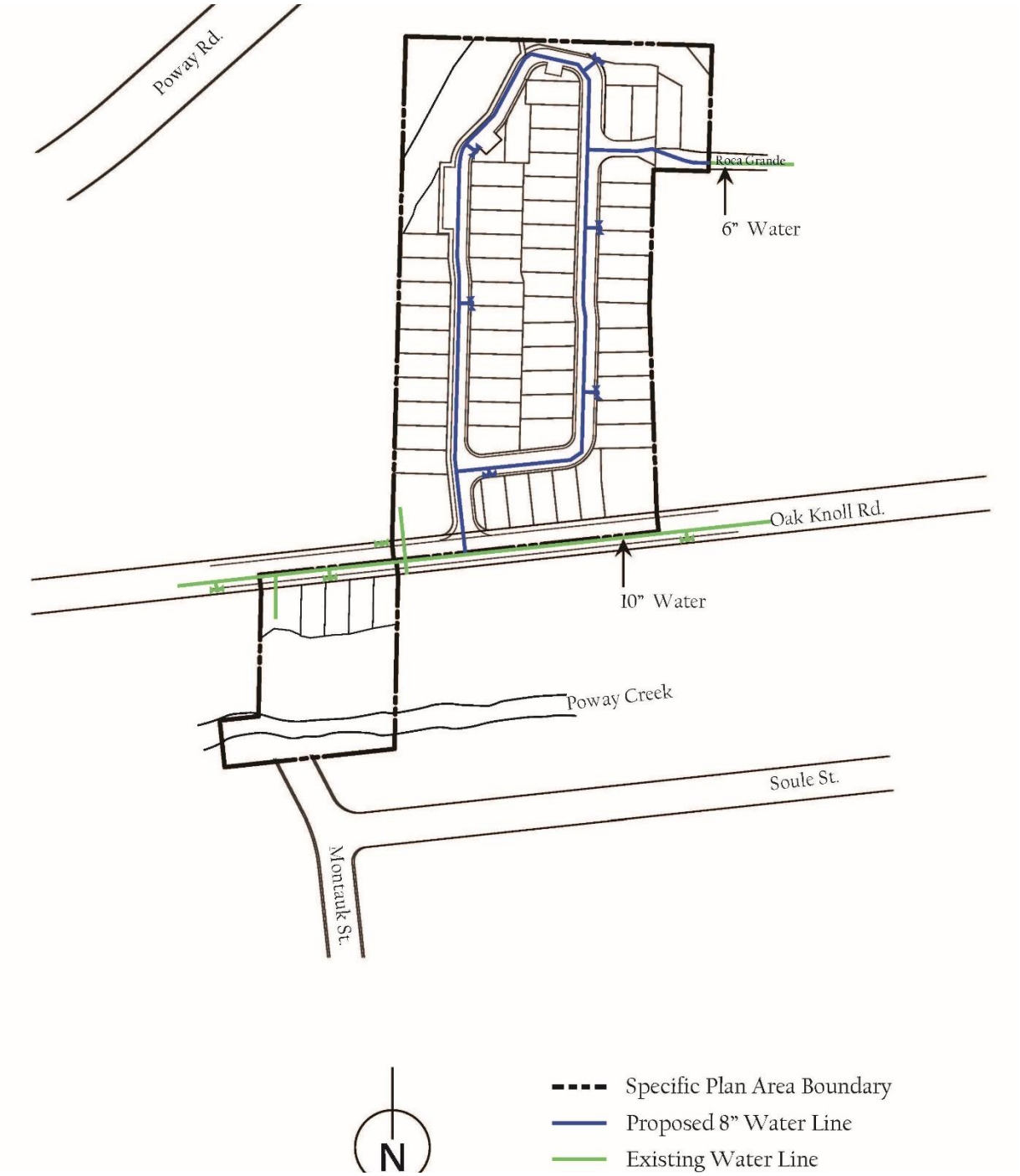


Exhibit 6.4: Conceptual Water Plan

6.3 Wastewater

Wastewater includes water collected from sinks, toilets and showers that is conveyed into the City's sanitary sewer system. The sewer system in the City of Poway is outlined in the City's Sanitary Sewer Master Plan. Wastewater collection and the sewage system are maintained and operated by the City's Public Works Department to ensure sufficient capacity is available for dry weather peak-flow conditions and storm or wet weather events. Wastewater collected in the City's sewage system is conveyed through the City of San Diego's Municipal Wastewater System for conveyance, treatment and disposal at either the North City Water Reclamation Plant or the Point Loma Wastewater Treatment Plant.

City sewer system facilities in the vicinity of the project include existing 8-inch public sewer lines and a 30-inch public trunk sewer within Oak Knoll Road located along the project frontage. The existing 8-inch public gravity sewer lines convey sewer flows from existing residences along Oak Knoll Road from east to west and tie into the existing 30-inch public trunk sewer. The 30-inch trunk sewer conveys flow west in Oak Knoll Road to Pomerado Road.

The proposed onsite public sewer system, as depicted on **Exhibit 6.5: Conceptual Sewer Plan**, includes 8-inch public gravity sewer lines to serve the 59 dwelling units north of Oak Knoll Road. The proposed onsite 8-inch public sewer lines will convey sewage from the 59 dwelling units south to the existing 8-inch public sewer line directly fronting the project's south entrance in Oak Knoll Road. The remaining 4 lots south of Oak Knoll Road will make individual lateral connections to the same existing 8-inch public sewer line in Oak Knoll Road. This existing 8-inch public sewer line will convey flows west to the existing 30-inch public trunk sewer in Oak Knoll Road. The projected average flow is 13,760 gpd. The resulting projected peak flow for the project is 44,720 (13,760 gpd x 3.25).

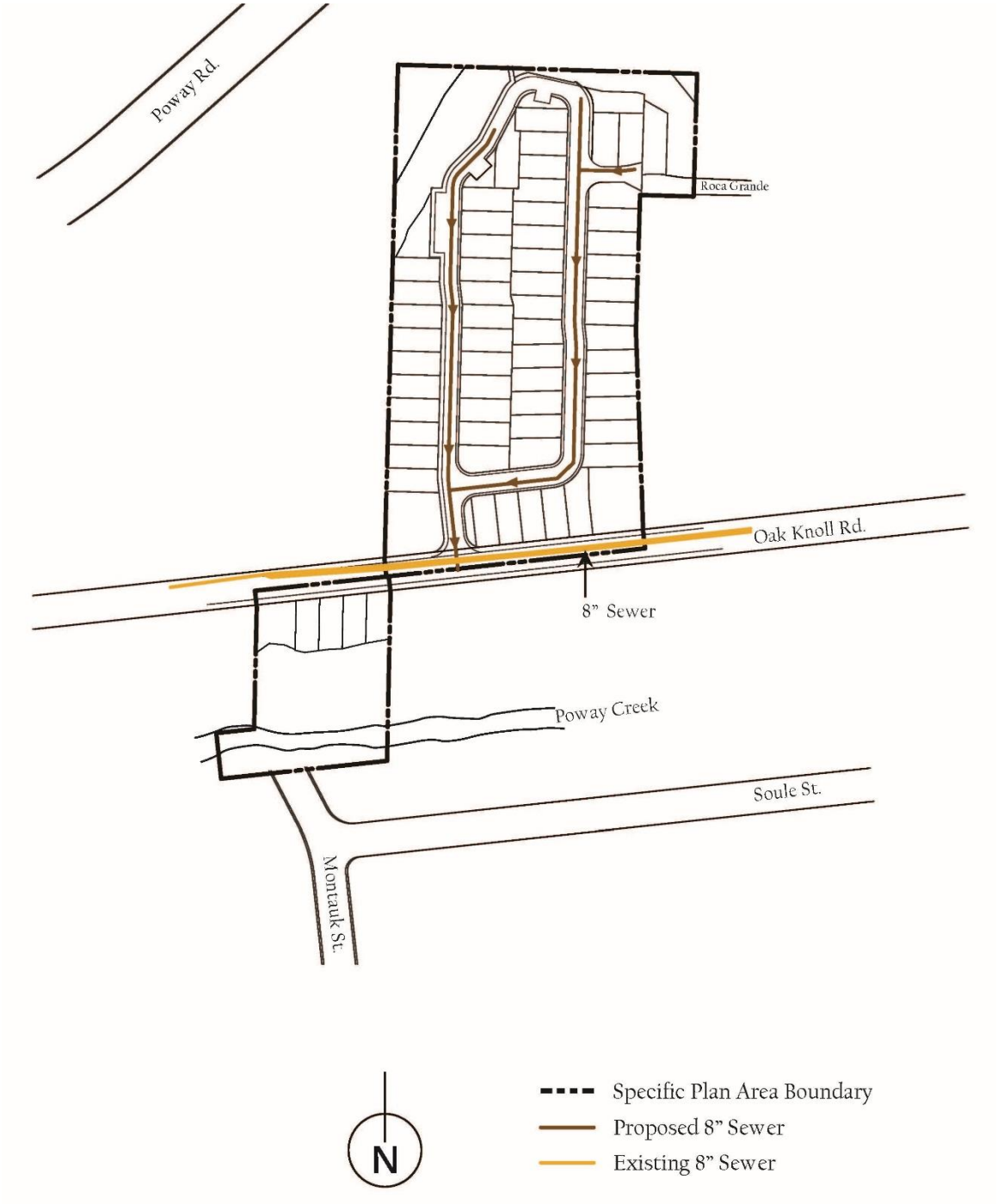


Exhibit 6.5: Conceptual Sewer Plan

6.4 Solid Waste

The City contracts with EDCO, a private hauler, for residential and commercial solid waste and recycling pickup and disposal. As part of Poway's comprehensive waste reduction and recycling program, the solid waste franchisee provides single stream commingled recycling, green waste and biannual self-haul event for bulky items. EDCO currently operates six certified buyback centers, two material recovery facilities (MFRs), six transfer stations and two mixed construction demolition and inert (CDI) processing facilities with the goal of achieving zero waste. In 2017, EDCO diverted over 619,676 tons from the landfill. All development within the Specific Plan Area will comply with City, County, State and CalGreen requirements regarding recycling and waste disposal.

Waste collected from the Specific Plan area will be taken to either the Escondido Resource Recovery (ERR) Center or the Ramona facility. The ERR facility was opened in June 2017 are provides commingled recycling, mixed waste processing and an anaerobic digester. The Romana facilities include an organics facility, transfer station and recycling buyback center.

6.5 Electricity and Natural Gas

Electrical power and natural gas are provided by San Diego Gas and Electric Company. No major improvements to the local distribution networks will be needed to support the growth associated with this Specific Plan. The Project will coordinate with dry utility providers to ensure utility systems have adequate capacity to serve future residential uses.

New development within the Specific Plan Area will be required to meet the California Energy Code (Title 24) and CalGreen requirements. Title 24, Part 6 and CalGreen include the most stringent requirements for energy conservation in the Country. To meet these requirements, all new development within the Specific Plan Area will include rooftop photovoltaic (PV) solar panels, electric vehicle (EV) charging stations, energy efficient lighting and appliances, low-flow fixtures and other design features that conserve energy.

6.6 Broadband and Telecommunications

Broadband and telecommunication services are provided by Cox Communications, Spectrum, AT&T and Windstream Communications. Users have choices and the available systems provide appropriate facilities and services to meet the needs of the Specific Plan Area.

6.7 Public Park Land

In accordance with the PMC, "A ratio of five park acres to 1,000 population, in accordance with the adopted park and recreation element of the City's general plan shall be used to compute the amount of land to be dedicated." Based on Poway's average household size from the 2010 Census, the Department of Finance estimates that Poway's household size in 2019 is approximately 3.12 persons per household (E-5 estimates dated 1/1/2019). **Table 6.1: Estimated Park Land Requirement** illustrates how the park acreage required is calculated, resulting in a total of approximately 0.98 acres.

The project includes 0.99 acres of open space/private recreation amenities distributed across seven sites within the Specific Plan Area. Planned amenities include open turf play areas, family gathering and seating spaces and picnic and BBQ gathering areas. Except for the Poway Creek Overlook, these facilities are to be privately maintained by the community HOA for the exclusive use of residents. The planned Poway Creek Overlook is also maintained by the HOA but is open to the public. Though these community amenities meet the intent of the PMC, they are not eligible for park credit as they do not meet the minimum 2-acre size requirement per PMC 16.38.100. Therefore, the project proposes to satisfy its public park obligation through the payment of the City's park in-lieu fee, per PMC 16.38.040.

Table 6.1: Estimated Parkland Requirement

Household Type	Units	Population / Household	Total Population	Park Land Ratio	Total Park Land Required[1]
Single Family	63	3.12	197	5 AC / 1,000 Pop	0.98 AC

[1] The existing historical home is not included in the total park land required calculation.

6.8 Schools

The Specific Plan Area is within the boundaries of the Poway Unified School District (PUSD). PUSD serves the City of Poway as well as surrounding communities. **Table 6.1: Projected Students** provides an estimate of the number of new students anticipated to be generated by development of 63 homes within the Specific Plan Area. Estimates are based on current information available and may be subject to changes with input from PUSD.

Table 6.2: Projected Students

Education Level	Estimated Student Generation Rate[3]	Projected Students[1]
Elementary (K-5)	0.2463	16
Middle (6-8)	0.1323	8
High (9-12)	0.1815	12
Total		36

[1] Projected student calculation does not include the existing historic home.

The Specific Plan Area is served by Valley Elementary School (grades K-5) located at 3000 Bowron Road. Valley Elementary School had 676 students enrolled in the 2020-21 school year. The proposed project would add an estimated 16 students to Valley Elementary School, for a total of 642 students.

The Specific Plan Area is served by Twin Peaks Middle School (grades 6-8) located at 14640 Tierra Bonita Road. Twin Peaks Middle school had 1,164 students enrolled in the 2020-21 school year. The proposed project would add an estimated 8 students to Twin Peaks Middle School, for a total of 1,172 students.

The Specific Plan Area is served by Poway High School (grades 9-12) located at 15500 Espola Road. Poway High School had 2,251 students enrolled in the 2020-21 school year. The proposed project would add an estimated 12 students to Poway High School for a total of 2,263 students.

Although capacity appears to be available at the schools that would serve students from the proposed project, PUSD will determine which schools will have available capacity to serve the additional 36 students generated by the proposed project.

Schools are funded through the payment of development impact fees pursuant to SB50/Government Code 665995, which would be paid prior to issuance of building permits. Pursuant to Education Code Section 17620(a)(1), the governing board of any school district is authorized to levy a fee, charge, dedication or other requirement against any construction within the boundaries of the District, for the purpose of funding the construction or reconstruction of school facilities. The Applicant would be required to pay SB50 fees, in accordance with SB50 alternative school fees prior to building permit issuance. According to SB50, payment of developer impact fees constitutes adequate mitigation related to school facility impacts.

6.9 Fire Prevention Services

The Poway Fire Department (PFD) would serve the Specific Plan Area. The PFD provides structural fire protection and advanced life support-level emergency medical services within the

[3] Year 2020-21 Student generation rates are used to estimate student population.

City limits; the PFD is an all-hazard, all-risk response agency. From three fire stations, 17 personnel respond to emergency and non-emergency calls for service by staffing three paramedic engines, a paramedic ladder truck, two paramedic ambulances and one incident commander (Fire Battalion Chief). Engine company personnel cross-staff ICS Type III wildland brush engines and provides staffing of a CalOES Type I engine when called upon. The PFD maintains response aid agreements with surrounding jurisdictions and participates in the California State Fire & Rescue Mutual Aid System and FEMA's Urban Area Search & Rescue team. The PFD's resources are grouped into the Metro Zone area of San Diego County Operational Area and partners with fire departments from San Diego City, Miramar, Chula Vista, National City, Coronado, Imperial Beach, and U.S. Navy Federal. The PFD operates two primary Fire Stations (Stations 1 and 3) that would respond to an incident at the proposed Project site, with first-due response likely from Station 1 given its closer location and greater coverage in a faster timeframe. Station 3 would respond as necessary and would also provide fast response throughout the Project.

Response to the proposed community site from the closest existing PFD fire station (Station 1) would arrive at the Project's primary entrance off Oak Knoll Road within 3 minutes, 19 seconds travel time (4 minutes 49 seconds total response time). The most remote homes within the Project are reached within 3 minutes, 27 seconds travel time, or 4 minutes 57 seconds total response time. This analysis indicates that the entire Project is within the PFD's internal response timeframe. This analysis also indicates that Station 3 is not close enough to meet the 6-minute response time, but does arrive in 3 minutes, 48 seconds travel time (5 minutes 18 seconds total response time) and is an appropriate second-due engine.

6.10 Public Safety and Emergency Services

The City of Poway contracts with the San Diego County Sheriff's Department for law enforcement services. The Poway station, located near City Hall in downtown Poway, provides patrol, traffic and investigative services for the entire City. The Poway station consists of 45 sworn personnel, six civilians, 13 reserve deputies and 55 Senior Volunteer patrol personnel. Poway enjoys consistently low crime rates.

Emergency medical services, including ambulance transportation, are provided by the City of Poway as part of the Poway Fire Department operations. Palomar Medical Center is the closest emergency medical facility.

The City of Poway also administers the Community Emergency Response Team (CERT) Program, which educates the residents of Poway and adjacent cities about disaster preparedness. The city of Poway offers a CERT academy once a year. The CERT Program provides training in basic disaster response skills such as fire safety, simple search and rescue and basic first aid, terrorism, emergency preparedness and disaster psychology. Graduates of the program or an equivalent

CERT course are eligible to apply for membership in the Poway CERT Program and are required to attend two training sessions or community events each calendar year. CERT members must be 18 years or older.

Chapter Seven

Implementation & Administration

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Chapter 7 – Implementation & Administration

7.0 Introduction

Implementation of the Harmon Ranch Specific Plan relies upon private investment and the systematic phasing of improvements. This chapter identifies the steps that need to be taken following Specific Plan approval and the financing mechanisms needed for the long-term maintenance of the community. This chapter also provides the City with guidance on proper administration of the Specific Plan, which includes the review of all future development permit applications, enforcement of Specific Plan standards and approved Conditional Use Permits within the Specific plan Area and proposed amendments to the Specific Plan that may occur in the future. Future applications shall be reviewed for consistency with the policies, design guidelines and regulations of the Specific Plan.

7.1 Implementation

Implementation of the Specific Plan requires approval of a General Plan Amendment, Zone Change, Tentative Map, Development Review (DR) Plan and Final Map by the City Council. Once approved and upon review and issuance of a grading permit, the site will be graded in accordance with Chapter 6. Grading is anticipated to begin in early 2024 and will be completed in a single phase. Grading activities are anticipated to be completed in six months. Construction will be phased as depicted in **Exhibit 7.1: Conceptual Phasing Plan** and is anticipated to be completed by June 2026.

7.2 Financing & Maintenance

The physical improvements described in the Harmon Ranch Specific Plan will be financed entirely by private investment. The following sections describe the funding mechanisms that may be utilized to provide long-term maintenance of the Specific Plan Area and provide public services to support the proposed project.

7.2.1 Development Impact Fees

Development Impact Fees (DIF) are imposed by the City of Poway on new development to finance the proportional demand for infrastructure and services created by new development. The Mitigation Fee Act requires that local jurisdictions establish a nexus between proposed fees and new development to ensure that each project pays only its proportional share of the cost. Developers within the Specific Plan Area will pay all DIFs required by the City of Poway

in accordance with the City's approved DIF Schedule. The Developer will also be required to pay impact fees to the Poway Unified School District.

Exhibit 7.1: Conceptual Phasing Plan

7.2.2 Community Association

All properties designated OS and OSR shall be deed restricted to ensure they remain open space in perpetuity and cannot be further developed into residential uses in the future. Maintenance and operation of the community will be financed through a Community Association (Association), which will be responsible for maintenance of all private streets, common utilities, common area landscaping and other commonly held properties and facilities. The Association will also be responsible for enforcement of the community's Covenants, Conditions & Restrictions (CC&Rs) to ensure that privately owned properties comply with the Specific Plan and are properly maintained to protect, preserve and enhance the property values in the community and surrounding neighborhoods. A schedule of fines and penalties shall be included in the CC&Rs to allow Association enforcement. **Exhibit 7.2: Ownership, Maintenance Responsibilities & Public Access** illustrates the anticipated ownership and maintenance responsibilities of non-residential parcels. The exhibit also indicates areas that are anticipated to be available for public access and which areas are to remain private. The Community Trail along Streets A and C and the Poway Creek Overlook are required to be open to the public.

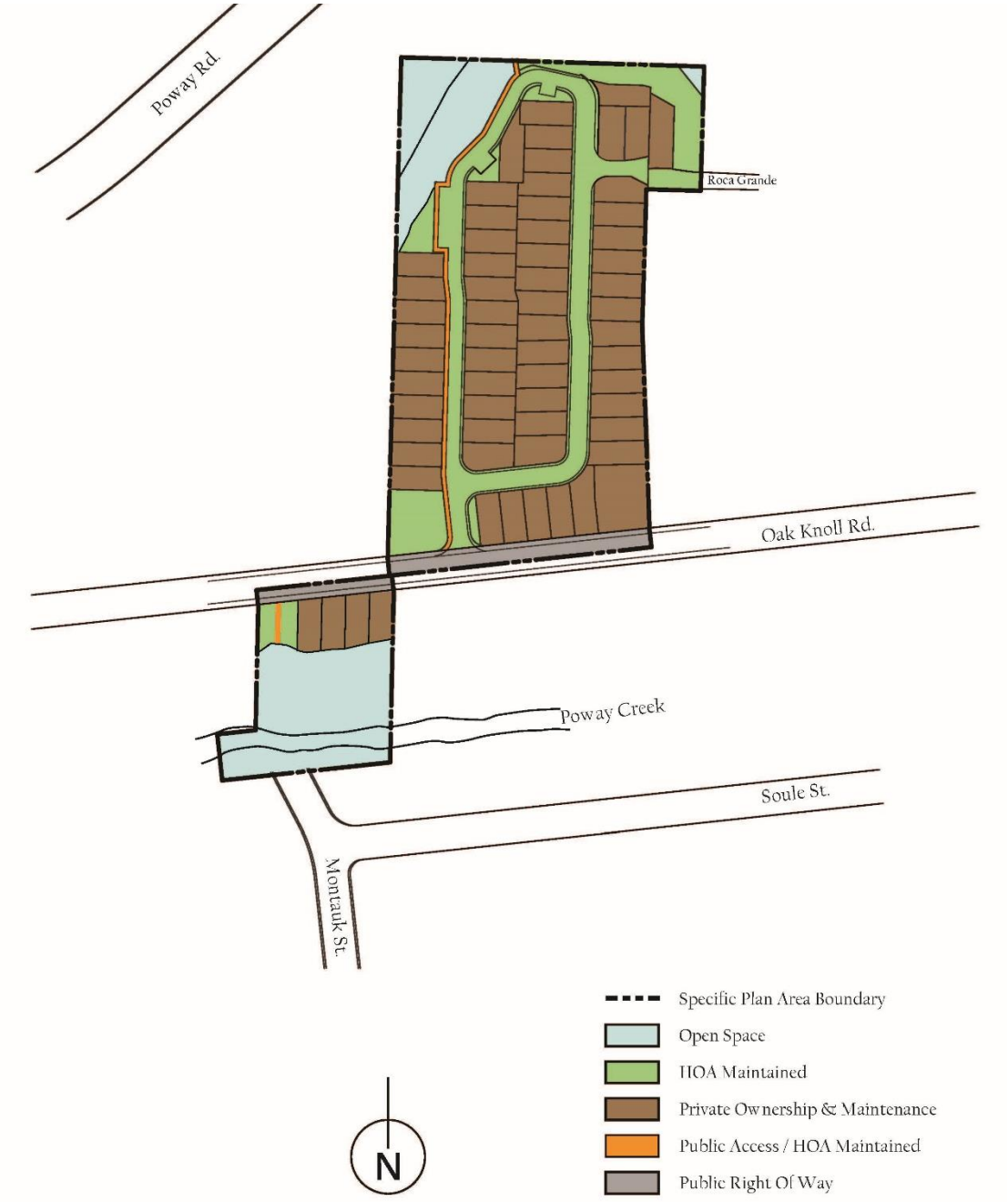

Exhibit 7.2: Ownership, Maintenance Responsibilities & Public Access

The Association shall contract with qualified professional for the long-term care and maintenance of all catch basins, Filterra units and the hydromodification vault to ensure they continue to function properly and comply with the Water Quality Management Plan (WQMP). Maintenance shall occur as required by the City of Poway.

The Community Trail and private streets within the Specific Plan Area will be maintained by the Association. The Community Trail shall remain open for public use.

7.2.3 Exactions

Cities may exact additional fees or in-lieu payment from developers or property owners to finance anticipated impacts. Exactions that may apply to the Specific Plan Area may include affordable housing, public park in-lieu and other fees to offset the impacts that the proposed project has on public services.

7.3 Specific Plan Administration

The Specific Plan serves as the implementation tool for the General Plan by establishing development regulations, permitted uses, performance standards and other standards for the Specific Plan Area. The Specific plan addresses general provisions, permitted uses, development and design standards, design guidelines, mobility and parking improvements and infrastructure. All development proposals within the Specific Plan Area are subject to the procedures established herein and all state and federal requirements. The Specific Plan shall be administered and regulated in accordance with the PMC unless otherwise specified herein.

7.3.1 Interpretation

As specified in the PMC Section 17.02.040 (Clarification of Ambiguity), unless otherwise provided, any ambiguity concerning the content or application of the Specific Plan is resolved by the review authority or the Development Services Director (Director) in a manner consistent with the goals, policies and intent established in this Specific Plan and subsequently the General Plan.

7.3.2 Severability

If any section, subsection, sentence, clause, phase or portion of this Specific Plan, or any future amendments or additions, is for any reason held to be invalid or unconstitutional by the

decision of any court or competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Specific Plan or any further amendments or additions.

7.3.3 Environmental Review

The EIR for the Specific Plan area addresses project-specific environmental review for the project described by the Specific Plan. Future amendments may require additional specific environmental review as necessary if they do not substantially conform with the Specific Plan. This could include targeted studies on one or more identified environmental concerns. The City will make these determinations, and environmental review may be incorporated into the development review process.

7.3.4 Review and Approval Process

All development and uses proposed within Harmon Ranch Specific Plan shall substantially conform with the provisions of this Specific Plan. Chapter 17.52 (Development Review Procedure) of the PMC sets forth development review requirements and process for approval of projects, which shall apply to projects proposed within the Specific Plan Area.

7.3.5 Substantial Conformance

Substantial conformance means that any proposed activity, construction and development complies with the Harmon Ranch Specific Plan, adopted mitigation measures, and project conditions of approval, where no additional homes (except accessory dwelling units), property, or parcels beyond that provided by the Specific Plan or approved map are involved, approved minimum lot sizes are maintained, proposed construction is consistent with the architectural guidelines provided in the Specific Plan, no grading beyond substantial conformance limits is proposed, and no significant environmental impact is created. The Director or their designee shall determine of substantial conformance prior to the issuance of any permits or approval of plans. No written determination is required provided that plans submitted to the City for approval exhibit substantial conformance with the Harmon Ranch Specific Plan. Plans found not to be in substantial conformance shall not be approved and shall be revised or a Specific Plan amendment shall be required.

7.3.6 Administrative Adjustments

The Administrative Adjustment review process allows limited exceptions to certain development standards. An application for an Administrative Adjustment is processed administratively through an Administrative Use Permit (AUP) as described in Section 7.3.7 without the submission of a formal Variance filed on forms provided by the Director and shall include data and plans as required to make an investigation and evaluation of the application. Fees shall be paid as established by City Council resolution. A property owner or authorized

agent of the property owner shall file an Administrative Adjustment application whenever any one of the following deviations from the provisions of this Specific Plan is proposed:

(1) Alteration of a condition of approval for an approved Conditional Use Permit or development agreement.
(2) Reduction of required setbacks by up to 10 percent.
(3) Other Standards. A reduction in any other numeric development standard, excluding density or height, not exceeding 10 percent.

The Director shall reserve the right to refer any proposed alteration, reduction, or other adjustment to the City Council for consideration.

7.3.7 Administrative Adjustments Review and Findings

The Director, or the City Council upon referral, may approve and/or modify an Administrative Adjustment application in whole or in part, with or without conditions, if the applicant can demonstrate that the circumstances of the particular case can justify making the following findings.

(1) The requested adjustment will not interfere with the purpose and intent of the regulations for the land use district in which the property is located.
(2) The approval or conditional approval of the adjustment will not be injurious to adjacent property or the surrounding area.
(3) The approval or conditional approval of the adjustment will promote the general welfare and will not adversely affect the goals and policies of the City of Poway General Plan.
(4) The plans for construction and/or development resulting from approval or conditional approval of the adjustment would result in a superior design solution that enhances the visual quality, use, and function of the site and surrounding area.
(5) Special circumstances exist that justify a deviation in the minimum required standard. Public notice for an Administrative Adjustment may be required at the discretion of the Director. Refer to the PMC for public noticing procedures. Any decision of the Director may be appealed in accordance with PMC Chapter 2.20. Appeals shall be filed on forms provided by the Development Services Department and shall require payment of a fee established by City Council resolution.

7.3.8 Specific Plan Minor Modifications and Amendments

Modifications to the text or exhibits of this Specific Plan may be warranted to accommodate unforeseen conditions or events. The City will process revisions in a manner pursuant to the provisions in this section.

A. Minor Modifications

Minor Modifications to the Specific Plan are processed administratively through a Specific Plan Amendment application with approval by the Director of Development Services and do not require a public hearing or review by the City Council. The Director shall reserve the right to refer any Decision to the City Council. The Director shall have the authority to make modifications to the Specific Plan as follows:

(1) Additions, deletions, or modifications to **Table 3.2: Open Space Permitted Uses** and **Table 3.3: Residential Permitted Uses** which include uses similar to a use already listed and are consistent with the purpose and intent of the particular district and the Environmental Impact Report for the Specific Plan, provided that density, intensity, and traffic, are not increased.
(2) Minor modifications to design guidelines for architectural features and materials, landscape treatments, lighting, and signage which are consistent and compatible with the surrounding area and neighborhoods.
(3) Revisions to exhibits in the Specific Plan that do not (a) substantially change the Specific Plan's Purpose, Authority, Vision or Objectives; (b) reduce development standards to provide visual encroachments into established neighborhoods.
(4) Modifications to the Specific Plan that are of a similar magnitude to those listed above, which are deemed minor by the Director and conform to the Purpose, Authority, Vision and Objectives of this Specific Plan. Public notice for a Minor Modification may also be required at the discretion of the Director. Refer to the PMC for public noticing procedures. Any decision of the Director may be appealed in accordance with PMC Chapter 2.20. Appeals shall be filed on forms provided by the Development Services Department and shall require payment of a fee established by City Council resolution.

B. Amendments

Proposed changes to this Specific Plan that do not meet the criteria for a Minor Modification shall be subject to a formal Specific Plan Amendment process pursuant to Chapter 17.47 (Specific Plan Regulations) of the PMC. All Specific Plan Amendments are required to be found consistent with the Poway General Plan in compliance with Government Code Section 65454. The Development Services Director reserves the right to interpret land uses to substantially conform or to be substantially similar or consistent with one or more of the allowable land uses provided in and/or the purpose and intent of the OSR and OS zoning districts. The Specific Plan may be amended as often as deemed necessary by the City Council in compliance with Government Code Section 65453.

7.3.9 Administrative Use Permit

The Administrative Use Permit process is established to provide for administrative review of certain applications that may require special considerations and imposition of specific conditions because of their unusual characteristics. This review process allows consideration with respect to the objectives of this Specific Plan and potential effects on surrounding properties. To achieve these purposes, the Development Services Director or his/her designee is empowered to grant and to deny applications for Administrative Use Permits for such uses in such land use districts as are prescribed in **Table 3.1: Land Use Summary** of this Specific Plan, and to impose reasonable conditions upon the granting of Administrative Use Permits. Administrative Use Permits are subject to the following:

A. Application and Fees

An application for an Administrative Use Permit shall be filed on forms provided by the Director and shall include the data and plans set forth in PMC Section 17.48.020. Fees shall be paid as established by City Council resolution.

B. Investigation and Report

The Director shall make an investigation of the application and shall prepare a Notice of Decision identifying the proposed action to be taken, as well as any conditions to be applied to the application.

C. Action

Prior to acting to approve, approve with conditions, or deny an application for an Administrative Use Permit, the Director shall provide notice to property owners within 500 feet of the exterior boundaries of the subject property. The notice shall state that the Director will decide whether to approve, conditionally approve, or deny the Administrative Use Permit application on a date specified in the notice, and that a public hearing will be held only if requested in writing by any interested person before the specified date for the decision.

Any written request for a public hearing shall be based on issues of significance directly related to the application. If the Director determines that the evidence has merit and can be properly addressed by a condition(s) added to the Administrative Use Permit approval, the Director may consider the permit in compliance the Findings requirements below and not conduct a public hearing. If a public hearing is requested and the provisions of the paragraph above do not apply, a hearing before the Director shall be scheduled, noticed, and conducted.

D. Required Findings

The Director or City Council shall make all of the following findings before granting or modifying an Administrative Use Permit:

(1) The proposed location size, design and operating characteristics of the proposed use are in conformance with this Specific Plan, the purpose of the land use district in which the site is located, and the City's General Plan.
(2) The location, size, design, and operating characteristics of the proposed use will be compatible with and will not adversely affect or be materially detrimental to adjacent uses, residents, buildings, structures or natural resources.

Appendix R

Evacuation Plan

Wildfire Evacuation Plan

Harmon Ranch Project

NOVEMBER 2023

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
CAL FIRE	California Department of Forestry and Fire Protection
CALTRANS	California Department of Transportation
CERT	Community Emergency Response Team
CHP	California Highway Patrol
City	City of San Diego
County	County of San Diego
DAS	Department of Animal Services
EAS	Emergency Alert System
EOP	Emergency Operations Plan
FEMA	Federal Emergency Management Agency
HOA	Homeowner's Association
IC	Incident Command
IFTSA	International Fire Service Training Association
NIMS	National Incident Command System
NWFCG	National Wildland Fire Coordinating Groups
OA	Operational Area
OES	Office of Emergency Services
Project	Harmon Ranch Project
SANDAG	San Diego Association of Governments
PFD	Poway Fire Department
SDCFA	San Diego County Fire Authority
SDSD	San Diego Sheriff's Department
SEMS	State Emergency Management System
TRA	Temporary Refuge Area
VoIP	Voice over Internet Protocol
WUI	Wildland-Urban Interface

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Quick Reference - Wildfire Preparedness

The Quick Reference Guide provides helpful tips and educational resources, so residents are prepared in the event of a wildland fire evacuation.

Figure 1 illustrates the emergency evacuation routes potentially available to Harmon Ranch Project and surrounding communities. Figure 2 displays the Harmon Ranch Project's vicinity location and Figure 3 is the Project's site plan.

Residents and visitors should know available routes, stay informed, and follow directions provided by law enforcement or fire agencies, news media, and other credible sources. Do not rely on navigation apps that may inadvertently lead persons toward the approaching wildfire. The available and potential evacuation routes for the residents and guests of the Harmon Ranch community are detailed in Section 4 and illustrated in Figure 1.

Nearest Medical Facilities

Hospitals:

Palomar Medical Center Poway

15615 Pomerado Rd,
Poway, California 92064

Head west on Oak Knoll Road.
Turn right on Pomerado Road.
Turn right onto Hospital entrance road.
Stay right and continue towards hospital.

Urgent Care Facilities:

MD Today Urgent Care

10605 Scripps Poway Pkwy Suite C
San Diego, California 92131

Perlman Clinic

11865 Carmel Mountain Road #1104
San Diego, California 92128

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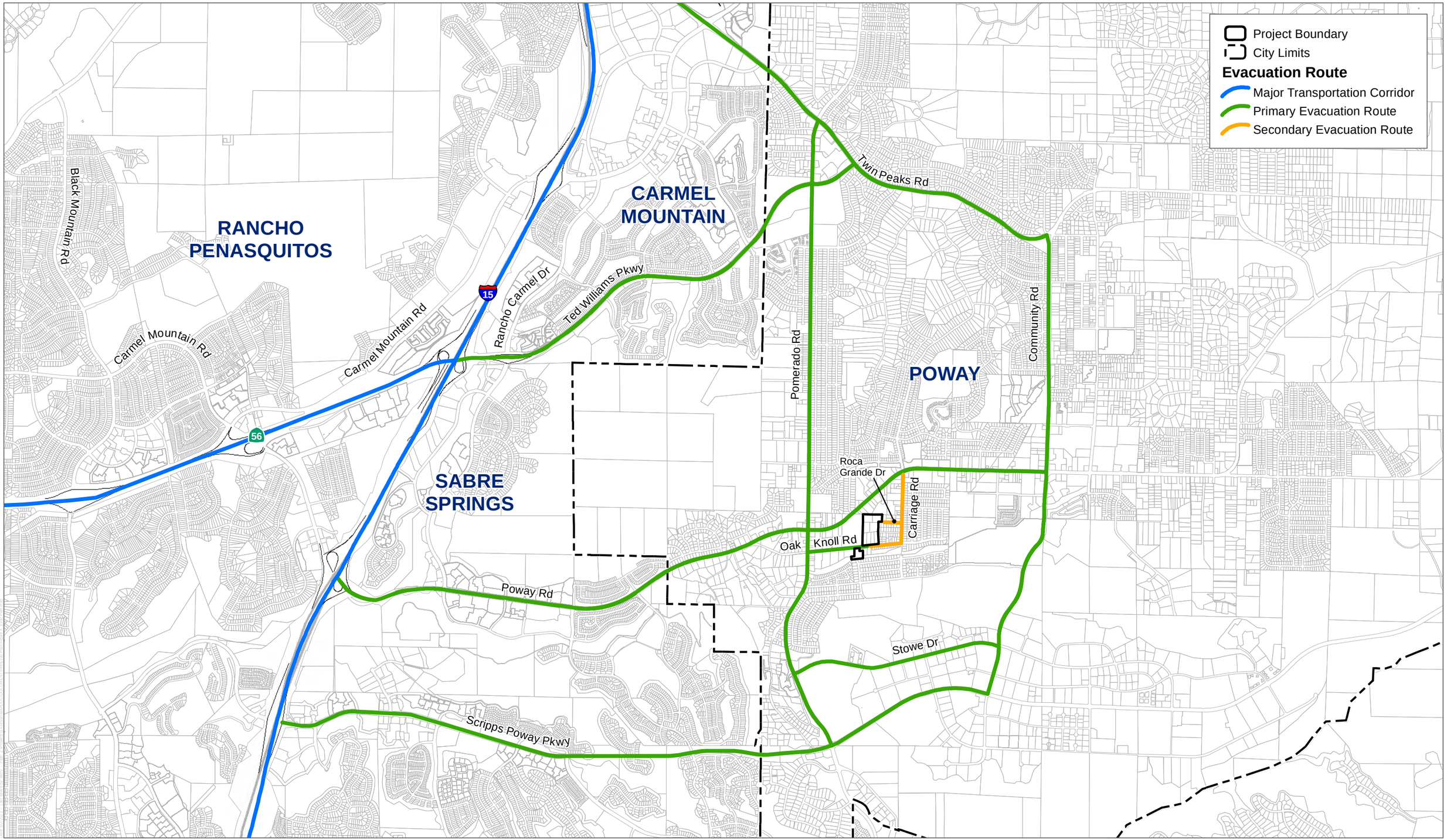

SOURCE: BASEMAP-SANGIS 2022

DUDEK

0 1,250 2,500 Feet

FIGURE 1

Fire Evacuation Routes

Wildfire Evacuation Plan for the Harmon Ranch Project

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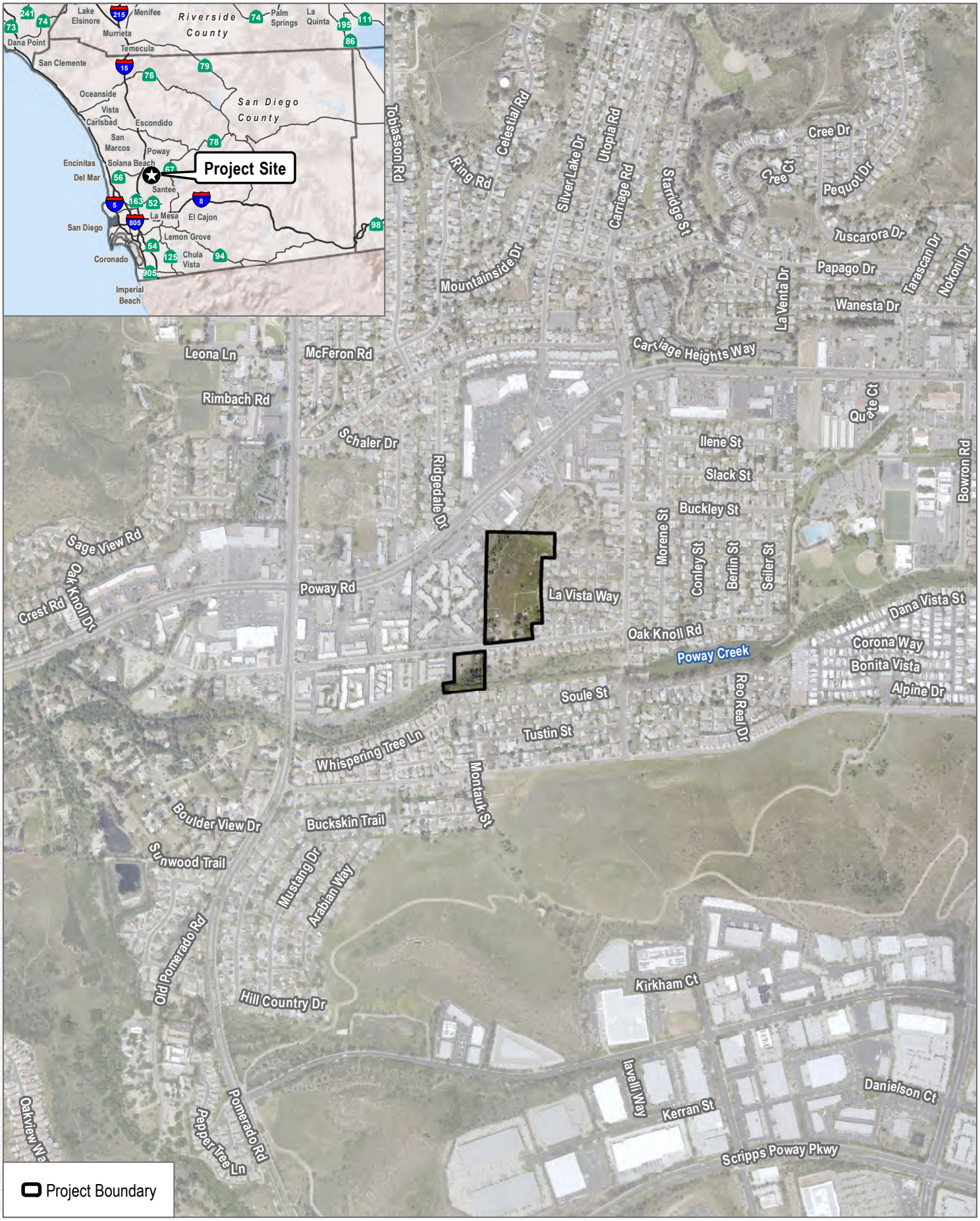

SOURCE: SAN GIS 2017

DUDEK

0 500 1,000 Feet

FIGURE 2

Project Site Vicinity and Aerial Map

Harmon Ranch Specific Plan Project EIR

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SOURCE: Hunsaker and Associates, Inc. 2022

FIGURE 3
Project Site Plan
Wildfire Evacuation Plan for the Harmon Ranch Project

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Register to Receive Emergency Alerts

The City of Poway (City) utilizes Alert San Diego for its Community Emergency Notification System. Alert San Diego is a countywide standard system that is managed as a regional asset by the County of San Diego Office of Emergency Services. In the event of a wildfire within the City limits, the Incident Command (IC) or other City departments will contact the San Diego Sheriff's Department (SDSD). The SDSD has the ability to activate the Alert San Diego system and release an emergency notification (San Diego 2010) to affected populations, and only landlines are automatically registered. Therefore, residents of the Harmon Ranch Project are strongly advised to register their mobile phone numbers and email addresses with Reverse 9-1-1, Alert San Diego system (http://www.readysandiego.org/AlertSanDiego/) in order to receive emergency evacuation instructions. The residents of Harmon Ranch are part of the greater San Diego media market and the media outlets will also be a good source of information, via television and radio, on overall emergency situations and how residents should respond. In addition, the San Diego Emergency Alert System (EAS) is county-wide and broadcasts emergency information via two radio stations: KOGO AM 600 and KLSD AM 1360. Television outlets include: Channel 24 – Cox Communications

- Channel 24 - Time Warner Cable
- Channel 99 - AT&T

Social media provides another outlet for news:

City of Poway

- **Facebook:** https://www.facebook.com/cityofpoway
- **Twitter:** https://twitter.com/cityofpoway
- **Poway City App:** https://poway.org/270/Service-Request

San Diego County Sheriff

- **Twitter:** https://twitter.com/sdsheriff

San Diego County Office of Emergency Services

- **County App:**

Get Involved in Community Readiness

Residents of the Harmon Ranch Project are encouraged to join the Poway Community Emergency Response Team (CERT) (https://poway.org/436/Community-Emergency-Response-Team-CERT). The Harmon Ranch Homeowner's Association (HOA) will organize annual evacuation education for residents of the community, which should include engaging directly with organizations such as Poway Neighborhood Emergency Corps and Fire Safe Council (PNEC) and the Fire Safe Council of San Diego County, as well as maintaining a fire safe page on the community's website, as possible, including this Wildfire Evacuation Plan and links to important citizen preparedness information.

This Wildfire Evacuation Plan is prepared specifically for the Harmon Ranch Project and focuses on wildland fire evacuations, although many of the concepts and protocols will be applicable to other emergency situations.

Ultimately, this WEP should be used by residents for awareness of evacuation approaches during wildfires and other similar emergencies. It is important for the residents to understand the importance of being prepared, so if/when the time comes where evacuation is necessary, they will be able to calmly implement their personal evacuation plan. Some actions the community residents can do in advance include:

- Follow the "Ready, Set, Go!" model developed for wildfire evacuations.
- Create an escape plan from the residence, as well as an escape route once outside of the home.
- Know your available routes, stay informed and follow directions provided by credible sources.
- Do not rely on navigation apps that may inadvertently lead you toward an approaching fire.
- Create a car emergency kit, including cell phone charger, flashlight, jumper cables, water, and food.
- Gather important paperwork, including birth and marriage certificates, account documents, passports, Social Security cards, and any other important family photos or irreplaceable items and documents.
- As time allows, make sure to secure your home by locking all doors and windows, and unplugging electrical equipment, such as appliances and electronics.

Sample emergency preparedness resources available to the Harmon Ranch residents are provided in Appendix A (Resident "Ready, Set, Go!" Wildland Fire Action Plan) and Appendices B-1 through B-4 (Family Disaster Checklists and Communications Plans), and residents are encouraged to become familiar with the concepts detailed at the following websites:

1. "**Ready, Set, Go!" Personal Action plan:** www.readyforwildfire.org
2. **San Diego County Personal Disaster Plan:** https://www.readysandiego.org/content/oesready/en-us/make-a-plan.html
3. **Red Cross Emergency Planning:** http://www.redcross.org/get-help/how-to-prepare-for-emergencies/make-a-plan
4. **Hazardous Materials Emergency Preparedness:** https://www.ready.gov/hazardous-materials-incidents
5. **Building a disaster kit:** http://www.redcross.org/get-help/prepare-for-emergencies/be-red-cross-ready/get-a-kit
6. **Making a Plan Checklist:** https://www.ready.gov/make-a-plan
7. **Family Communication Plan:** https://www.fema.gov/media-library-data/1440449346150-1ff18127345615d8b7e1effb4752b668/Family_Comm_Plan_508_20150820.pdf

Evacuation Plan Purpose and Limitations

Wildfire and other emergencies are often dynamic events and the need for evacuations are typically determined by on-scene first responders or by a collaboration between first responders and designated emergency response teams, including Office of Emergency Services and the IC established for larger emergency events. As such, and consistent with all emergency evacuation plans, this Wildfire Evacuation Plan is to be considered a tool that supports existing pre-plans and provides for residents who are familiar with the evacuation protocol but is subservient to emergency event-specific directives provided by agencies managing the event.

1 Introduction

This Wildfire Evacuation Plan (WEP) was prepared based on guidance from the City's Emergency Operations Plan (City of Poway 2021) and the County of San Diego Emergency Operations Plan (EOP) including Annex Q- Evacuation (County of San Diego 2022). The format and content of this report is consistent with the recommendations of the Evacuation Annex. A complete copy of the EOP can be downloaded here:

https://www.sandiegocounty.gov/content/sdc/oes/emergency_management/oes_jl_oparea.html.

Evacuation is a process by which people are moved from a place where there is immediate or anticipated danger, to a place of safety, and offered appropriate temporary shelter facilities. When the threat to safety is gone, evacuees are able to return to their normal activities, or to make suitable alternative arrangements. The overarching goal of evacuation planning in the San Diego County Operational Area (OA) is to maximize the preservation of life while reducing the number of people that must evacuate and the distance they must travel to seek safe refuge (County of San Diego 2018).

This Wildfire Evacuation Plan will outline strategies, procedures, recommendations, and organizational structures that can be used to implement a coordinated evacuation effort in the case of a wildfire emergency effecting the Harmon Ranch Project. It is noted, that the on-set of a wildfire or other emergency is generally unplanned and often, residents and visitors will be faced with decisions that need to be made quickly and determined by on-scene first responders or by a collaboration between first responders and designated emergency response teams. Therefore, this Wildfire Evacuation Plan is to be considered a tool that supports existing pre-plans and provides for residents who are familiar with the evacuation protocol but is subservient to emergency event-specific directives provided by agencies managing the event.

1.1 Project Description

The Project is approximately 11.5 acres and includes a total of 63 new single-family homes and associated site improvements and retention of the existing historic home (Figure 3, Project Site Plan). The Project proposes approximately 5.7 acres designated for residential development, a 0.25-acre historic home site, 3.2 acres of open space areas, 1.9 acres for private streets, and 0.5 acres of public right-of-way (Oak Knoll Road). The Project would include 63 single-family detached homes plus the 1 existing historic home on site for a total of 64 lots within the Specific Plan boundary. The proposed density is 8.8 dwelling units/acre, which is just over the existing RS-7 designation density. The Project is located in the southern portion of the City, along Oak Knoll Road, south of Poway Road and west of Carriage Road.

1.2 Applicable Regulations, Standards and Planning Tools

1.2.1 Federal

1.2.1.1 Disaster Mitigation Act

The Disaster Mitigation Act of 2000 requires that a state mitigation plan, as a condition of disaster assistance, add incentives for increased coordination and integration of mitigation activities at the state level through the establishment of requirements for two different levels of state plans: "Standard" and "Enhanced." States that develop an approved Enhanced State Plan can increase the amount of funding available through the Hazard Mitigation Grant Program. The Disaster Mitigation Act also established a new requirement for local mitigation plans.

1.2.1.2 National Incident Management System (NIMS)

The NIMS guides all levels of government, nongovernmental organizations and the private sector to work together to prevent, protect against, mitigate, respond to and recover from incidents. NIMS provides community members with a shared vocabulary, systems and processes to successfully deliver the capabilities described in the National Preparedness System. The National Preparedness System is a Presidential Policy Directive establishing a common goal to create a secure and resilient nation associated with prevention, protection, mitigation, response and recovery to address the greatest risks to the nation. One core area is fire management and suppression.

NIMS defines operational systems that guide how personnel work together during incidents.

1.2.1.3 Pet Evacuation and Transportation Standards Act

The Pets Evacuation and Transportation Standards Act of 2006 amends the Stafford Act, and requires evacuation plans to take into account the needs of individuals with household pets and service animals, prior to, during, and following a major disaster or emergency.

1.2.2 State

1.2.2.1 Fire Hazard Severity Zones

To assist each fire agency in addressing its responsibility area, California Department of Forestry and Fire (CAL FIRE) uses a severity classification system to identify areas or zones of severity for fire hazards within the state. CAL FIRE is required to map these fire hazard severity zones (FHSZs) for State Responsibility Areas (SRAs) and identify Very High Fire Hazard Severity Zones (VHFHSZ) for Local Responsibility Areas (LRAs). The Project is not located within a FHSZ within an SRA or a VHFHSZ within an LRA.

1.2.2.2 California Wildland-Urban Interface Code

On September 20, 2005, the California Building Standards Commission approved the Office of the State Fire Marshal's emergency regulations amending the California Building Code (CBC) (California Code of Regulations [CCR] Title 24, Part 2). Section 701A of the CBC includes regulations addressing materials and construction methods for exterior wildfire exposure and applies to new buildings located in State Responsibility Areas or Very

High Fire Hazard Severity Zones in Local Response Areas. The Project is not designated as a FHSZ within an SRA or a VHFHSZ within an LRA.

1.2.2.3 California Fire Code

The 2022 California Fire Code (CCR Title 24, Part 9) establishes regulations to safeguard against the hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures, and premises. The Fire Code also establishes requirements intended to provide safety for and assistance to firefighters and emergency responders during emergency operations. The provisions of the Fire Code apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal, and demolition of every building or structure throughout California. The Fire Code includes regulations regarding fire-resistance-rated construction, fire protection systems such as alarm and sprinkler systems, fire services features such as fire apparatus access roads, means of egress, fire safety during construction and demolition, and wildland-urban interface areas. The City has adopted the California Fire Code with amendments as Chapter 15, Article 24 of the City's Municipal Code.

1.2.2.4 California Emergency Services Act

The California Emergency Services Act (California Government Code §8550, et seq., provides for the creation of an Office of Emergency Services, assign and coordinate functions and duties to be performed during an emergency, facilitate mutual aid, and assign resources (including manpower and facilities) throughout the state for dealing with any emergency that may occur.

1.2.2.5 California Office of Emergency Services

The California Office of Emergency Services (OES) is responsible for the coordination of overall state agency response to disasters. Assuring the state's readiness to respond to, recover from all hazards and assisting local governments in their emergency preparedness, response, recovery and mitigation.

1.2.2.5.1 Standardized Emergency Management System (SEMS)

SEMS is the cornerstone of California's emergency response system and the fundamental structure for the response phase of emergency management. The system unifies all elements of California's emergency management community into a single integrated system and standardizes key elements. SEMS incorporates:

- Incident Command System (ICS) - A field-level emergency response system based on management by objectives
- Multi/ Inter-agency coordination - Affected agencies working together to coordinate allocations of resources and emergency response activities
- Mutual Aid - A system for obtaining additional emergency resources from non-affected jurisdictions.
- Operational Area Concept - County and its sub-divisions to coordinate damage information, resource requests and emergency response.

1.2.2.6 Project Consistency with Best Practices/Guidance Documents

The California Office of the Attorney General issued (October 2022) guidance (Guidance) outlining best practices for analyzing and mitigating wildfire impacts of development projects under the California Environmental Quality Act (CEQA)[1]. The Guidance is intended to help local governments' evaluation and approval considerations for development projects in fire-prone areas, and to help project design in a way that minimizes wildfire ignition and incorporates emergency access and evacuation measures. Importantly, the Guidance does not impose additional legal requirements on local governments, nor does it alter any applicable laws or regulations.

The Project site is not located in a FHSZ within an SRA or LRA and is not considered to meet the definition of a wildland urban interface (WUI) area.

Attorney General Provided Best Practices for Analyzing Project's Impacts on Wildfire Risks

Baseline Conditions

The Guidance states that an EIR's discussion of existing environmental (baseline) conditions should include information about open space areas and habitats within the project area that may be fire prone, a discussion of fire history and fuels on the project site and existing available water supplies for fire-fighting. The Project's EIR considers existing wildfire conditions.

Thresholds of Significance

The Guidance encourages local governments to develop and apply thresholds of significance to identify when an increase in wildfire risk is considered a "significant impact" under CEQA. Relevant factors to this determination include: (1) the project's impacts on ignition risk; (2) the likelihood of fire spread; and (3) the extent of exposure for existing and new residents, based on various fire scenarios. The Guidance notes that "wildfire ignitions are primarily human-caused in California." The City of Poway does not currently have thresholds of significance to identify wildfire risk.

Modeling

The Guidance encourages modeling fire scenarios to "quantify" increased wildfire risks resulting from a project adding more people to wildfire prone areas and assessing risks according to the threshold of significance, including fires that start in, near or far from the project site and "extreme weather conditions that exacerbate fire spread". The Guidance states that a conclusion that conversion of wildland vegetation into paved development "reduces or does not increase wildfire risk" is "contrary to existing evidence" and cannot be used to avoid analyzing and modeling wildfire risk. The Project is an infill Project and not within a designated FHSZ; therefore, fire modeling for the Project was not completed.

[1] *Wildfire guidance final (3).pdf (ca.gov)

Qualitative Assessment

The Guidance indicates that complying with CEQA includes an EIR qualitatively assessing relevant variables to quantify the project's impact on the risk of wildfire, specifically:

Project Density – Project density influences how likely a fire is to start or spread and how likely it is that occupants will be in danger. The Guidance states that "Fire spread and structure loss is more likely to occur in low- to intermediate-density developments." The Project is considered a higher density development, converting the developed area to ignition resistant landscapes with no inclusion of unmaintained vegetation within the converted footprint. The buildings are clustered and present one, defensible interface, unlike lower density development which incorporates fuels within and around buildings and multiple building interfaces.

Location in the Landscape – Where a project's structures are placed in the landscape relative to fire environment features (vegetation, topographical features, and wind alignments) it also influences wildfire risk. Terrain including wind corridors or steep slopes may increase risk while flatter terrain and natural fire breaks may reduce risk if the project is "strategically located" should be considered. The Project creates a flat pad on which the Project's structures and infrastructure are placed. Fuels in the Project area are not conducive of extreme fire intensity and terrain varies but does not include extreme steep slopes and has been comprehensively evaluated and confirmed that even under the extreme weather conditions that have been recorded in the area, the provided defensible space and ignition resistant structures are appropriately designed to minimize the potential for structure ignitions. The Project is located at a site that is appropriate for the type of activities that will occur there and is not considered vulnerable to wildfire.

Water Supply and Infrastructure – Water supply and infrastructure needed to address firefighting within the project site should be analyzed as part of evaluating wildfire risk impacts under CEQA. The analysis should consider the potential loss of water pressure or power during a fire. The Project will provide internal waterlines supplying sufficient fire flows and pressure to meet the demands, as required by code.

Mitigating Wildfire Risk – Potential Measures

The Guidance specifies that Project-provided mitigation measures should be combined and tailored to the specifics of the project, the surrounding landscape, and nearby existing uses. The Guidance emphasizes that CEQA requires lead agencies to consider and adopt feasible mitigation measures to avoid or reduce wildfire risk. Potential mitigation measures recommended by the Guidance that may reduce a project's wildfire risk impacts to a less than significant level, include:

Increasing residential density and consolidated project design, relying on higher density infill developments "as much as possible". The Project is higher density infill development and extends existing and ongoing development in a populated area of Poway.

Avoiding and minimizing low-density development patterns or "leapfrog-type" developments with undeveloped wildland between developed areas. The Project is located in a highly developed area, and would be considered infill and is not the first development in the area.

Decreasing a project's "edge" or wildland interface area and creating buffer zones and defensible space measures within and adjacent to the project. The Project minimizes edge by creating a clustered design and does not expose residents to areas of hazardous vegetation.

Siting projects to maximize the role of low-flammability landscape features and limiting development along steep slopes and amidst rugged terrain. The Project occurs within an area that does not include significant topography or fuels.

Undergrounding power lines. The Project's power lines will be undergrounded, eliminating the potential for electrical transmission line-caused fires on the site.

Upgrading building materials and installation techniques beyond applicable building code requirements to increase a structure's resistance to heat, flames and embers (i.e. "fire hardening"), and requiring fire-hardened communication facilities (including internet) to the project site. The Project is not within a FHSZ and is considered infill development; therefore, additional fire protection features would not be required.

Requiring on-site water supply and/or storage to augment ordinary supplies that may be lost during a wildfire. The Project is consistent with this guideline with internal waterlines that will supply sufficient fire flows and pressure to meet the demands for required onsite fire hydrants and interior fire sprinkler systems for all structures.

Parking limitations to ensure access roads are not clogged with parked vehicles. The Project provides roadways that will meet current code requirements for road widths that would accommodate on street parking and allow for fire apparatus access.

Placement of development close to adequate emergency services, existing or planned ingress/egress, and designated evacuation routes. The Project is within an acceptable distance with fast response from nearby fire stations and close to surface streets and highway/freeway corridors.

Evacuation

In addition to evaluating the potential increased risk of ignition, the Guidance states that an EIR or MND for a project located in HFHSZ/ VHFHSZ must analyze the project's impact on evacuation and emergency access. This analysis is relative to the project's particular impacts and risks (e.g., higher density infill projects within developed areas would require less detailed analysis than a new low-density development within a high wildfire risk area and/or surrounded by open space).

Evacuation Analysis

The Guidance states that evacuation modeling and planning should be required for all projects located in HFHSZ/ VHFHSZ that present an increased risk of ignition and/or evacuation impacts. It further states that local jurisdictions should require evacuation modeling and planning to be developed prior to project approval in order to provide maximum flexibility in design modifications necessary to address wildfire risks and impacts. The Project is considered an infill development that will be adjacent to a conserved open space dominated by flashy type fuels that would produce a low-intensity wildfire. Further, the Project provides important road network improvements, including connection of existing dead-end road that will provide secondary fire access for the Project and the neighboring community. These improvements assist Project access as well as provide a public benefit for existing residents by providing an additional route that may be utilized, at the discretion of the fire department/law enforcement, for responder ingress and/or resident egress.

The Guidance further states that evacuation modeling and analysis must augment existing information when necessary to include adequate analysis of the following. The Project includes a Wildfire Evacuation Plan that analyzes the existing and Project population evacuations, road capacities, and evacuation timeframes.

- Evaluation of the capacity of roadways to accommodate project and community evacuation and simultaneous emergency access. This Wildfire Evacuation Plan evaluates the Project's roads as well as existing roads that would be utilized in an evacuation event. The road capacities are conservatively mathematically modeled to arrive at evacuation travel times for the Project as well as for the existing communities with and without the project. The evacuation analysis only considers evacuations using outbound lanes, therefore, the inbound lanes are available for incoming emergency first responders.
- Assessment of the timing for evacuation. This Wildfire Evacuation Plan provides an analysis of evacuation timing in Section 4 and is found to be acceptable for the types of wildfires that may occur in the Project's vicinity. Additionally, evacuation procedures now rely on advanced notification technology which enables phased or sequential evacuations where populations that are threatened are moved first and populations that may be threatened are moved in a phased approach. This method reduces traffic surges and congestion.
- Identification of alternative plans for evacuation. Alternative plans for evacuation would be feasible due to the construction features and the low risk of ignitions and corresponding low fire intensity anticipated and may include using alternate routes, only evacuating particular residents, or enacting a temporary shelter in place.
- Evaluation of the project's impacts on existing evacuation plans. There are no published evacuation plans for the Project area. The Project would utilize primary evacuation routes that would be available to other evacuees, and the potential additional time needed to evacuate is considered insignificant due to the variety of options available to emergency managers that can facilitate early evacuations.
- Consideration of the adequacy of emergency access, including the project's proximity to existing fire services and the capacity of existing services. PFD Station 1 is within 1.5 miles of all Project structures and can respond within 4 ½ minutes travel time. The Project provides access roads meeting code requirements for widths, dead end lengths, and secondary access. There would be acceptable access throughout the site and evacuations would not be expected to interfere with fire response.
- Traffic monitoring to quantify travel times under various likely scenarios. Traffic monitoring data was contemplated for traffic analysis but is not applicable in regards to evacuation planning for the Project, as previously discussed.

In consideration of the above, the AG Guidance encourages local jurisdictions to develop thresholds of significance for evacuation times based on community-wide standards. Any conclusion that an increase in evacuation times is a less than significant impact should be based on a threshold of significance that reflects community-wide goals and standards. Thresholds should also consider consistency with an adopted emergency operations or evacuation plan, a safety element updated to integrate wildfire and evacuation concerns or recommendations developed by CAL FIRE relating to safety of subdivisions. The potential to minimize on-road traffic when it is considered necessary and/or safer by temporarily providing refuge on-site in protected structures offers a contingency not available to all communities/developments and assists in providing flexibility and options for emergency managers.

1.2.3 Local

1.2.3.1 San Diego County Multi-Jurisdictional Hazard Mitigation Plan

The purpose of the County's Multi-Jurisdictional Hazard Mitigation Plan (County of San Diego 2017) is to identify the County's hazards, review and assess past disaster occurrences, estimate the probability of future occurrences, and set goals to mitigate potential risks to reduce or eliminate long-term risk to people and property from natural and human-made hazards. An important San Diego County Multi-Jurisdictional Hazard Mitigation Plan component is the Community Emergency Response Team (CERT), which educates community members about disaster preparedness and trains them in basic response skills, including fire safety.

1.2.3.2 San Diego County Emergency Operations Plan

The 2022 San Diego County Emergency Operations Plan (EOP) describes a comprehensive emergency management system that provides for a planned response to disaster situations associated with natural disasters, technological incidents, terrorism, and nuclear-related incidents. It delineates operational concepts relating to various emergency situations, identifies components of the Emergency Management Organization, and describes the overall responsibilities for protecting life and property and providing for the overall well-being of the population. The plan also identifies the sources of outside support that might be provided (through mutual aid and specific statutory authorities) by other jurisdictions, state and federal agencies, and the private sector.

1.2.3.3 Unified San Diego County Emergency Services Organization and County of San Diego Operational Area Emergency Operations Plan – Evacuation Annex

The Evacuation Annex is intended to be used as a template for the development of jurisdictional evacuation plans and will support or supplement the evacuation plans prepared and maintained by each local jurisdiction. The annex outlines strategies, procedures, recommendations and organizational structures that can be used to implement a coordinated evacuation effort in the San Diego County Operational Area (OA).

1.2.3.4 County of SD Resilience Review Report: Wildland Fires

Prepared by the s Chief Administrative Officer's Resilience Review Working Group, the Resilience Review Report: Wildland Fires provides recommendations for achieving community goals related to actively reducing risk of wildfire and improving efforts to respond and recover from wildfire events. The Working Group recommends 16 principal objectives divided among three focus areas: pre-fire, response, and recovery.

1. Pre-Wildfire: Focus on fire preparedness at the neighborhood-level. Specific community recommendations include:
    - Implementing a cohesive County pre-fire strategy
    - Enhancing pre-fire vegetation management
    - Improving pre-fire emergency planning
    - Strengthening fire safety measures in new construction
    - Reducing loss from wildfires in existing structures

2. Response: Improve fire suppression capabilities and on the ground safety measures including:
   - Increase County Fire's firefighting capabilities
   - Enhancement of accessible transportation services to include the evacuation of at-risk populations and large animals
   - Improved operational communications among response personnel
   - More rapid and efficient restoration of essential services and systems
   - Improved delivery of coordinated, timely, reliable, and actionable information to the whole community during a wildfire
3. Recovery: Enhance fire recovery effort including:
   - The ongoing development of a County Debris Removal Framework
   - Developing administrative tools and processes that improve the speed and efficiency in providing emergency interim housing options to victims of a wildfire
   - Improvements in health and social services capabilities
   - Increased County capacity to coordinate large-scale recovery operations

1.2.3.5 City's Emergency Operations Plan

The City's Emergency Operations Plan (EOP) aims to facilitate effective operations during emergency incidents and disasters and is accordance with the State of California's Standardized Emergency Management System (SEMS), the National Incident Management System (NIMS). The EOP sets up protocol for the control and coordination of on-scene emergency operations including the designation of an Incident Commander (IC), establish Incident Command Posts, conduct response operations according to departmental protocols and SEMS/NIMS principles, request assistance from other City departments for support as needed, and inform senior City officials as appropriate.

1.2.3.6 City of Poway Fire Code

The City has adopted the California Fire Code as Chapter 15, Article 24 of the City's Municipal Code including Appendix Chapter 4 and Appendices B, C, E, F, H, I and O, as published by the International Code Council, except those portions that are deleted, modified, or amended. Provisions of the California Fire Code are described under State Regulations, above.

1.2.3.7 City of Poway Building Regulations

The City's Building Regulations (City Municipal Code Chapter 15, Article 4) are intended to regulate the construction of applicable facilities and encompasses (and formally adopts) associated elements of the CBC. Specifically, this includes regulating the "construction, alteration, replacement, repair, maintenance, moving, removal, demolition, occupancy, and use of any privately owned building or structure or any appurtenances connected or attached to such buildings or structures within this jurisdiction, except work located primarily in a public way, public utility towers and poles, mechanical equipment not specifically regulated in the Building Code, and hydraulic flood control structures."

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2 Background

This Harmon Ranch Wildfire Evacuation Plan was prepared based on the City's Emergency Operations Plan (City of Poway 2021), County of San Diego Emergency Operations Plan (EOP) including Annex Q- Evacuation (County of San Diego 2022).

To establish a framework for implementing well-coordinated evacuations, the County, like most California emergency operations agencies, has adopted evacuation procedures in accordance with the State of California's Standardized Emergency Management System (SEMS) and the National Incident Command System (NIMS). Large-scale evacuations are complex, multi-jurisdictional efforts that require coordination between many agencies and organizations. Emergency services and other public safety organizations play key roles in ensuring that an evacuation is effective, efficient, and safe.

Evacuation is a process by which people are moved from a place where there is immediate or anticipated danger, to a safer place, and offered temporary shelter facilities. When the threat passes, evacuees are able to return to their normal activities, or to make suitable alternative arrangements.

Evacuation during a wildfire is not necessarily directed by the fire agency, except in specific areas where fire personnel may enact evacuations on-scene. San Diego County Sheriff's Department or Poway Fire Department have primary responsibility for emergency evacuations and may share responsibilities with others under the IC system for larger events. These agencies work closely within the Unified IC System, with the City's Emergency Operations Center (EOC) and County OES. To that end, the Poway Fire Department (PFD), San Diego County Sheriff's Department (SDSD), Public Works, Planning, Emergency Services Departments, and California Department of Transportation (Caltrans), amongst others, have worked as part of a Pre-Fire Mitigation Task Force to address wildland fire evacuation planning for the County of San Diego.

Every evacuation scenario will include some level of unique challenges, constraints, and fluid conditions that require interpretation, fast decision making, and alternatives. For example, one roadway incident that results in blockage of evacuating vehicles may require short-term or long-term changes to the evacuation process. Risk is considered high when evacuees are evacuating late, and fire encroachment is imminent. This hypothetical scenario highlights the importance of continuing to train responding agencies, model various scenarios, educate the public, provide contingency plans, and take a very conservative approach to evacuation decision timelines.

Equally as important, the evacuation procedures should be regularly updated with lessons learned from actual evacuation events, as they were following the 2003, 2007, and 2014 San Diego County fires. The authors of this Wildfire Evacuation Plan recommend that occasional updates are provided, especially following lessons learned from actual incidents, as new technologies become available that would aid in the evacuation process, and as changing landscapes and development patterns occur within and adjacent to the Project Area that may impact how evacuation is accomplished. At the time of this WEP's preparation, there is no encompassing emergency evacuation plan available for the San Diego region. This Wildfire Evacuation Plan is consistent with the County evacuation planning standards and can be integrated into a regional evacuation plan and other pre-plans when and if the area officials and stakeholders (CAL FIRE, SDFRD, OES, SDSD, SDCFA, and others) complete one.

As demonstrated during large and localized evacuations occurring throughout San Diego County over the last 15 years, an important component to successful evacuation is early assessment of the situation and early notification via managed evacuation declarations. The County utilizes early warning and informational programs to help meet these important factors. Among the methods available to citizens for emergency information are radio, television, social media/internet, neighborhood patrol car, aerial public address notifications, and Reverse 9-1-1 or Alert San Diego. The County instituted Alert San Diego, which is a regional notification system that sends telephone notifications to residents and businesses within San Diego County impacted by, or in danger of being impacted by, an emergency or disaster. Alert San Diego is used by emergency response personnel to notify at risk residents and businesses with information on the event and/or actions (such as evacuation, shelter-in-place, gas leak, missing person, etc.) they are advised to implement. The system utilizes the region's 9-1-1 database, provided by the local telephone company(ies), and thus is able to contact landline telephones whether listed or unlisted. It is TTY/TDD capable.

Please also consider that the major fire events that have occurred in San Diego County in the past 20 years (including the 2003 Cedar Fire and 2007 Witch Fire) have resulted in substantial change in the individual and united approaches between City, County and State agencies, as well as substantial investment in fire-fighting resources. For example, San Diego County Fire Agencies and related partners have developed a robust ability to rationally predict wildfire movement. This is accomplished through pre-fire planning and fire behavior modeling, working with UCSD's WIFIRE lab advanced wildfire behavior projection technology, and SDG&E's nationally renowned weather system network. In addition, more than 500 million dollars has been invested to enhance the County's fire prevention, detection, response, suppression and recovery capabilities since the 2003 Cedar Fire. These efforts have proven effective in managing and responding to wildfire events, such as was accomplished during the successfully managed 2017 Lilac Fire.

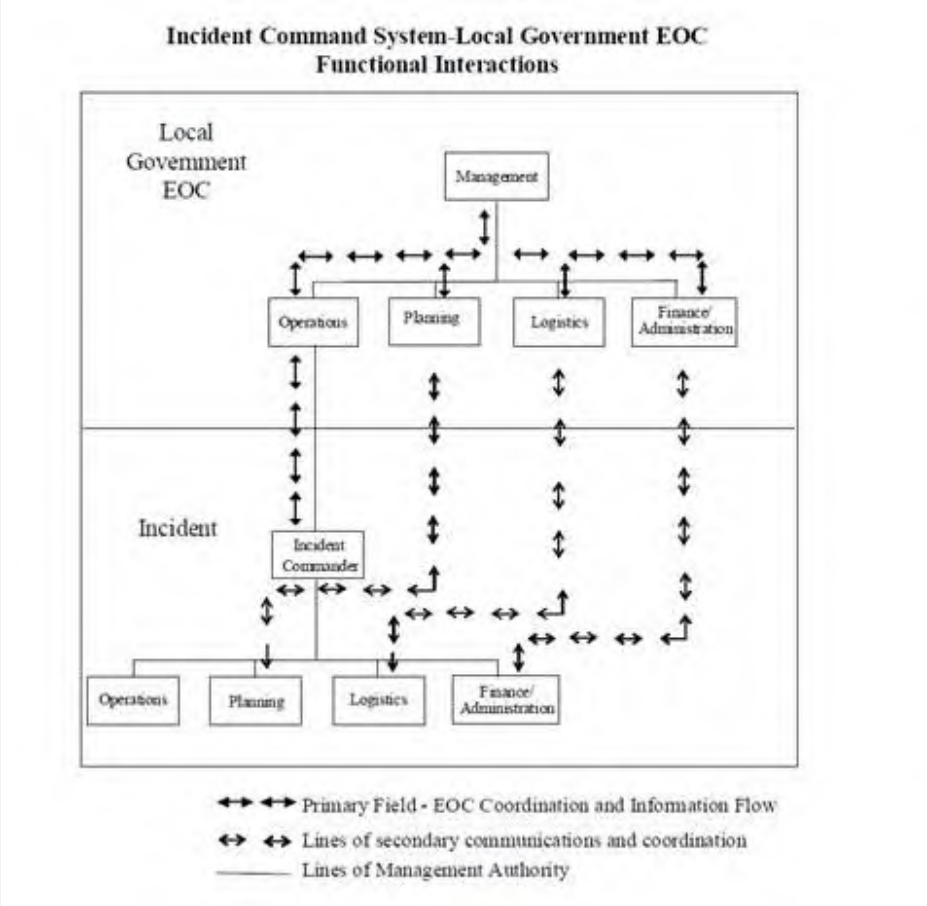
Because the system uses the 9-1-1 database, only landline numbers are in the system. If you have a Voice over IP (VoIP) or cellular telephone and would like to be notified over that device, or if you would like an email notification, you must register those telephone numbers and/or email address for use by the system to receive voice, text, and email messages.

3 San Diego County Evacuation Planning

This Wildfire Evacuation Plan incorporates concepts and protocols practiced throughout the City and San Diego County. The City's EOP follows basic protocols set forth in the County's Operation Area Emergency Operations Plan and the California Master Mutual Aid Agreement, which dictate who is responsible for an evacuation effort and how regional resources will be requested and coordinated. The following overview contains information from the San Diego County Evacuation Annex and is consistent with the City's EOP. A complete copy of the EOP can be downloaded here: https://www.sandiegocounty.gov/content/sdc/oes/emergency_management/oes_jl_oparea.html.

First responders are responsible for determining initial protective actions before EOCs and emergency management personnel have an opportunity to convene and gain situational awareness. Initial protective actions are shared/communicated to local EOCs and necessary support agencies as soon as possible to ensure an effective, coordinated evacuation. Figure 4 summarizes the functional interactions of local government EOCs under the Incident Command System.

Figure 4. Incident Command System Local Government EOC Functional Interactions



During an evacuation effort, the SDSD will declare an evacuation and be assisted by other law enforcement and support agencies. Law enforcement agencies, highway/road/street departments, and public and private transportation providers will conduct evacuation operations. Procurement, regulation, and allocation of resources will be accomplished by those designated. Evacuation operations will be conducted by the following agencies:

- San Diego County Sheriff's Department
- Poway Fire Department
- American Red Cross
- San Diego Humane Society
- San Diego County Department of Animal Services
- City and County Department of Planning and Development Services
- City and County Department of Public Works
- County Department of Environmental Services
- Other City, County and state agencies, as needed

3.1 Evacuation Objectives

The overall objectives of emergency evacuation operations and notifications for the City of Poway are to:

- Expedite the movement of persons from hazardous areas;
- Institute access control measures to prevent unauthorized persons from entering vacated, or partially vacated areas;
- Coordinate evacuation to appropriate transportation points, which may include: temporary evacuation points (TEP), temporary safe refuge areas (TSRA), and/or shelters.
- Coordinate adequate means of transportation for individuals with disabilities and others with access and functional needs, which includes, but is not limited to, older adults, children, and individuals who are transportation disadvantaged.
- Coordinate the procurement, allocation, and use of necessary transportation and law enforcement resources by means of mutual aid or other agreements;
- Coordinate with affected law and enforcement agencies to control evacuation traffic and road closures.
- Account for the needs of individuals with household pets and service animals prior to, during, and following a major disaster or emergency;
- Provide initial notification, ongoing, and repopulation communications to the public through the Joint Information Center (JIC).
- Coordinate the safe repopulation of the evacuated persons.

The SDSD is the lead agency for conducting evacuations of the unincorporated areas of San Diego County and jurisdictions, such as the City, which contract SDSD to provide law enforcement services. The lead agency for evacuating the Harmon Ranch Project area is SDSD. Unified Command assesses and evaluates the need for evacuations with cooperating agencies, and SDSD or local law enforcement orders and conducts evacuations according to established procedures, which are outlined in the County EOP Evacuation annex. Additionally, as part of the Unified Command, the SDSD or local law enforcement will identify available and appropriate evacuation

routes and coordinate evacuation traffic management with the California Department of Transportation (Caltrans), the California Highway Patrol (CHP), other supporting agencies, and jurisdictions.

The decision to evacuate an area is not made lightly and there is a significant impact to public safety and the economy. The following process describes how emergency evacuation decisions within the OA will be coordinated, allowing emergency managers and other supporting response organizations to make collaborative decisions.

3.2 Evacuation Coordination Process

a. If the emergency only impacts the City, the decision to evacuate will be made at the local jurisdiction level. Regional coordination is required for any evacuation impacting multiple jurisdictions. Based on the information gathered, local jurisdictions will generally make the determination on whether to evacuate communities as the need arises, on a case-by-case basis.
b. The decision to evacuate will depend entirely upon the nature, scope, and severity of the emergency; the number of people affected; and what actions are necessary to protect the public.
c. Local jurisdictions may activate their EOC and conduct evacuations according to procedures outline in their EOP.
d. All evacuations from, through, or into a local jurisdiction will be coordinated with that jurisdiction's public safety partners.
e. The OA EOC may make recommendations on whether a jurisdiction should evacuate and may help coordinate the evacuation effort, if requested by the jurisdiction.
f. The Evacuation Annex is automatically activated when an incident occurs requiring an evacuation effort that impacts two or more jurisdictions within the OA or when there is an evacuation in the unincorporated area necessitating response from the County.
g. If the emergency impacts multiple jurisdictions within the OA:
    i. All impacted jurisdictions may activate their EOCs
    ii. The OA EOC may be activated, including the OA EOC JIC
    iii. The OA EOC with begin obtaining situational awareness, understanding the severity of the incident
    iv. Unified Command, which may consist of fire, law enforcement, public health, and other relevant support agencies, will communicate with the OA EOC as to what protective actions have been implemented. The OA EOC will coordinate with jurisdictional emergency management personnel and other public safety personnel.
    v. The Director of Emergency Services or designee or the Policy Group if it is established will coordinate with City Managers and other leaders within the OA to identify strategic decisions that will:
        - Gain regional situational awareness
        - Determine response status
        - Review statis if initial protective actions
        - Consider additional protective actions
        - Evaluate public information needs
        - Determine next steps
        - Establish a schedule for internal and external updates

vi. Evaluate health and welfare of affected residents The OA EOC JIC will coordinate emergency public information to the public in accordance with procedures established in Annex L Emergency Public Information of the OA EOP

vii. The OA EOC may support the evacuation response according to the OA EOP and:

- Coordinate transportation for those who need assistance through the activation of emergency transportation services agreements.
- Coordinate support for individuals with disabilities and others with access and functional needs during the evacuation process, which may include, but is not limited to, the provision of assistance with wayfinding, supervision, and language interpretation.
- Coordinate and communicate with non-governmental organizations including but not limited to the private sector, community-based organizations, and faith-based organizations to utilize services and resources available to support the response.
- Coordinate the provision of accessible care and shelter services.

3.3 P.A.C.E. Evacuation Planning

P.A.C.E. evacuation planning is based on a military concept focused on mitigating risk by developing a strong primary evacuation plan along with three back up plans. If the Primary plan is compromised, the Alternate plan would be triggered. If the Alternate is considered not functional or not safe, the Contingency Plan is implemented. If that does not mitigate the risk, then the evacuation reverts to the Emergency plan. P.A.C.E. Planning is a simple and effective tool used to accomplish evacuations with flexibility and redundant contingencies.

Emergency plan. The PACE Evacuation Plan must be maintained, reviewed, and updated at least every 2 years. The plan provides the following:

1. Based on and includes a documented, facility-based and community-based risk assessment, utilizing hazard analysis approach.
2. Include strategies for addressing emergency events identified by the risk assessment.
3. Address participant population, including, but not limited to, the type of services the PACE organization has the ability to provide in an emergency; and continuity of operations, including delegations of authority.
4. Include a process for cooperation and collaboration with emergency preparedness officials' efforts to maintain an integrated response during a disaster or emergency situation.

Primary: This is the overall preferred plan of action to use based on the most likely and most damaging scenario resulting from hazard analysis.

Alternate: The Alternate plan should be as viable as your Primary plan. That isn't always the case, but that should be the goal whenever possible. Alternate plans are needed because unforeseen circumstances arise during emergency evacuations.

> Developing the Alternate plan includes analyzing the most likely problems that could cause your primary plan to fail and then come up with a plan that fits with your situation that won't be affected by those problems. Whenever possible, come up with a few to several vulnerabilities in your primary plan and find an alternate that's just as good but covers all those bases.

Contingency: The contingency evacuation plan is the action that will be implemented if you cannot implement either the Primary or the Contingency action due to compromised safety. The contingency isn't always (or isn't usually) as preferred as the others, but is a viable option that doesn't rely on the same actions as the Primary and Alternate.

Emergency: This is the action that is implemented if all three of the previous actions fail. In some respects, it is a last resort that is the least preferred option, but is a viable and safe option, nonetheless. The goal is to utilize an Emergency plan that's independent from reliance on the types of actions in the first three options, is a flexible plan, has the highest probability of succeeding, and offers a reliable option with little potential for compromise.

An emergency plan may not be the most convenient or preferred plan and may include components that are uncomfortable to visitors, but it should be as foolproof as possible.

Table 1. P.A.C.E Evacuation Plan for the Harmon Ranch Project

Primary:	Project will evacuate via the primary evacuation route(s) early after receiving evacuation notice utilizing the primary evacuation route(s) as directed by law enforcement/ emergency managers.
Alternate:	Project will follow evacuation instructions which may include an alternate plan to utilize secondary routes or to relocate to nearby urban areas based on congested traffic conditions. Notifications that this alternate plan is being implemented will be provided via the notification systems or on-site emergency personnel, media and social media.
Contingency:	Due to primary and alternate options being compromised or undesirable, the contingency plan of evacuating smaller, highest vulnerability populations will be implemented. For the Project, this includes moving potentially exposed or vulnerable populations in the northern portion of the Project site (nearest to preserved unmaintained off-site fuels) to nearby areas that may serve as Safe Refuge Areas during a wildland fire. Remaining populations will be instructed to remain in their homes. Depending on the nature of the emergency, the contingency option may not be available or safe.
Emergency:	When the wildfire or other emergency dictates that off-site evacuation is not advised by the primary or alternate evacuation routes, and conditions are such that open air exposure would be unhealthy or unsafe, the Harmon Ranch population will be directed to shelter in place in their homes. Sheltering in place is possible due to the construction materials (e.g., Class A roof, stucco walls) and irrigated landscape that creates a fire hardened development. Sheltering in place may also be the preferred option for other emergencies, e.g., active shooter, earthquake. Persons sheltering in place are advised to remain aware of the situation and move out of the building to a designated safe zone if directed to do so or otherwise necessitated.

3.4 Evacuation Response Operations

An evacuation of any area requires significant coordination among numerous public, private, and community/non-governmental organizations. Wildfire evacuations will typically allow time for responders to conduct evacuation notification in advance of an immediate threat to life safety; giving residents time to gather belongings and make arrangements for evacuation. On the other hand, other threats, including wildfires igniting nearby, may occur with little or no notice and certain evacuation response operations will not be feasible (for example, establishing contra flow requires between 24 to 72 hours to be implemented; a no-notice event will not allow for contra flow to be established). Every attempt will be made to assist people with safe evacuation, and risk to first

responders is an additional important consideration. People are encouraged evacuate early and to help their neighbors, friends, and family to evacuate if doing so will not cause danger to themselves or others.

3.4.1 Evacuation Points and Shelters

When SDCD implements an evacuation order, they will coordinate with the Incident Commander and local EOC to decide on a location to use as a Temporary Evacuation Point (TEP). American Red Cross representatives located in the OA EOC and/or ICP, along with the OA EOC Care & Shelter Branch will coordinate the locations to be used as emergency shelters if necessary. The OA EOC staff may assist, as requested, in the coordination of an evacuation in an incorporated city. The SDSD Dispatch Center in conjunction with the OA EOC and JIC will utilize the Alert San Diego system, social media, radio, television, IPAWS, etc. to direct evacuees to the established TEP or shelter. Local jurisdictions all have access to the same alert and warning tools as the OA and should follow their internal protocols for sharing information with the public. Temporary evacuation points will serve as temporary safe zones for evacuees, but they generally do not provide any services, such as food, water, restrooms, etc. Emergency shelters are opened when at least one overnight stay is necessary. Basic services are provided at emergency shelters, which includes meals, accessible shower facilities, dormitory management, health, and behavioral health services. Some temporary evacuation points may be suitable to be converted into an emergency shelter location, if necessary and available. Shelters and assembly areas that can provide at least short-term refuge and that would be designated by emergency managers during an evacuation, and would be determined based on the specific evacuation event.

Other refuge sites are available within urbanized areas surrounding the Project site. If there are residents unable to evacuate or in need of transportation assistance to get to a TEP or shelter, the SDSD may establish transportation points to collect and transport people without transportation resources to evacuation points. These transportation points should be large, well-known sites such as shopping centers, libraries, and schools. Transportation should be accessible to all populations, including people with disabilities and other access and functional needs.

3.4.2 Pet Evacuations

The Pets Evacuation and Transportation Standards Act of 2006 amends the Stafford Act and requires evacuation plans consider the needs of individuals with household pets and service animals, prior to, during, and following a major disaster or emergency.

The San Diego County Department of Animal Services (DAS) has plans in place to transport and shelter pets in a disaster under Annex O of the OA EOP, including the Animal Control Mutual Aid Agreement. Animal Control Officers, the San Diego Humane Society, and private animal care shelters will assist in the rescue, transport, and sheltering of small and large animals. In addition, potential volunteer resources and private groups are identified and tracked in WebEOC by the County. Only non-emergency resources and personnel, such as public and private animal services agencies, will be used to rescue and transport animals during an evacuation effort.

In most cases, DAS and the OA EOC will coordinate and attempt to co-locate animal shelters with people shelters.

3.4.3 Shelter-in-Place (County EOC Discussion)

As stated in the County EOC, sheltering-in-place is the practice of going or remaining indoors during or following an emergency event. This procedure is recommended if there is little time for the public to react to an incident and it is safer for the public to stay indoors for a short time rather than travel outdoors. Sheltering-in-place also has many

advantages because it can be implemented immediately, allowing people to remain in their familiar surroundings, and providing individuals with everyday necessities such as telephone, radio, television, food, and clothing. However, the amount of time people can stay sheltered-in-place is dependent upon availability of food, water, medical care, utilities, and access to accurate and reliable information.

The decision on whether to evacuate or shelter-in-place is carefully considered with the timing and nature of the incident (San Diego County 2022). Sheltering-in-place is the preferred method of protection for people that are not directly impacted or in the direct path of a hazard. This will reduce congestion and transportation demand on the major transportation routes for those that have been directed to evacuate by police or fire personnel. The communities adjacent to the proposed Harmon Ranch Project includes homes built in the 1960s and are in varying states of ignition resistance. Unlike most new master planned communities that incorporate newer construction practices, responding fire and law enforcement personnel may not be able to direct existing residents to temporarily refuge in their homes; however, it would be possible for residents of Harmon Ranch. Homes that are not built to the ignition-resistant standards can be retrofitted to increase their ability to withstand wildfire and ember storms by focusing on roofs, windows, walls, vents, appendages and defensible space. Attention to these components of a home's fire protection system is recommended for existing homeowners within the Project Area.

Options when evacuation is not considered feasible that may be available to responding fire and law enforcement personnel may include temporary refuge/sheltering on site where residents are instructed to remain in their homes while firefighters perform their structure protection function if it is considered unsafe to evacuate. This approach is consistent with San Diego County's (San Diego County 2022) evacuation approach which states, "The concept of shelter-in-place is an available option in those instances where physical evacuation is impractical. This procedure may be effective for residential dwellings in the immediately impacted areas, or for large facilities that house a high percentage of non-ambulatory persons (i.e., hospitals and convalescent homes). Sheltering-in-place attempts to provide a haven within the impacted area."

The surrounding communities do not currently include attributes that would allow a community-wide sheltering in place option, due primarily to the older construction methods and codes that guided construction at the time the homes were built. The structures in the Harmon Ranch community, including the proposed homes would be ignition-resistant materials (e.g., Class A roofs, stucco exterior, interior sprinklers) and defensible, which enables sheltering in place as a contingency option when it is considered safer than evacuation. However, the site is outside of a VHFHSZ; therefore, construction may not be required to use Chapter 7A features. The project would be built to the code level required for its location relative to nearby fire hazard severity zone mapping.

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4 Evacuation Road Network

As evidenced by mass evacuations during the 2007 Witch Fire along with other San Diego County evacuations, even with roadways that are designed to the code requirements, it may not be possible, or even the best response, to move large numbers of persons at the same time as part of a mass-evacuation. Instead, informed, phased evacuations enable more streamlined evacuations where those at highest risk are moved first. Road infrastructure throughout the United States, and including San Diego County, is not designed to accommodate a short-notice, mass evacuation without some level of congestion (FEMA 2008). The need for evacuation plans, pre-planning, and tiered or targeted and staggered evacuations becomes very important for improving evacuation effectiveness. Among the most important factors for successful evacuations in urban settings is control of intersections downstream of the evacuation area. If intersections are controlled by law enforcement, barricades, signal control, and other means, potential backups and slowed evacuations can be minimized. Multiple evacuation points enable more evacuees the ability to evacuate with less impact on roadways.

Wildfire risk for the Project site is believed to be from short-duration ember production from a wildfire burning in open spaces within the Project's vicinity. An early evacuation of Harmon Ranch may occur if a wildfire burns closely in the open spaces to the north, south or west of the Project. However, the surrounding terrain does not support aggressive runs at the community, which is separated from the open space by developed areas and wildfires during typical weather conditions are less aggressive and more manageable, rarely resulting in large evacuations. As conducted in past wildfires, an early evacuation of the area may occur several or more hours prior to actual threatening conditions at Harmon Ranch, depending on conditions and fire spread projections.

The Project is located within an area that is subject to occasional wildfires, with the average fire return interval within a 5-mile radius at roughly 2 years, but based on the residential uses surrounding the Project site, the wildfire potential within the Project structures' direct sphere of influence is considered minimal and direct exposure to unmaintained fuels is limited. Similarly, fire intensity would be expected to be low in the riparian area south of the Project site. This reduced fire behavior would be expected to facilitate evacuations as well as potential on-site sheltering for properly constructed residences, if considered safer than a short-notice evacuation.

This approach is consistent with San Diego County's (2022) Evacuation approach which states, "The concept of shelter-in-place is an available option in those instances where physical evacuation is impractical. This procedure may be effective for residential dwellings in the immediately impacted areas, or for large facilities that house a high percentage of non-ambulatory persons (e.g., hospitals and convalescent homes). Sheltering-in-place attempts to provide a haven within the impacted area." Although not a designated shelter-in-place community, the structures at Harmon Ranch would include fire resistant construction materials (e.g., Class A roofs, stucco walls) and landscape maintenance, are defensible against the short duration wildfire exposure anticipated, and would require less resources for protection, which enables these contingency options that may not be available to other nearby communities.

Among the most important factors for successful evacuations at the Project site is control of intersections downstream of the evacuation area. If intersections are controlled by law enforcement, barricades, signal control, firefighters or other means, potential backups and slowed evacuations can be minimized. Another important aspect of successful evacuation is a managed and phased evacuation declaration. Evacuating in phases, based on vulnerability, location, or other factors, enables the subsequent traffic surges on major roadway to be

smoothed over a longer time frame and can be planned to result in traffic levels that flow better than when mass evacuations include large evacuation areas at the same time. This plan defers to Law Enforcement and OES to appropriately phase evacuations and to consider the vulnerability of communities when making decisions. For example, newer development in the area, including Harmon Ranch's structures, will offer a higher level of fire safety onsite, then structures in nearby communities, most of which were built prior to 1990.

Evacuation Routes

Evacuees are anticipated to be considered in a "safe zone" once they are a reasonable distance away from open space and in a dense urbanized area. For this analysis, the I-15 and Poway Road interchange and the Town & Country Plaza were considered the gateways or safe zones for evacuees to seek refuge from the wildfire, although there are many other urbanized areas within Poway that would also provide safety from wildfires. The evacuation areas are anticipated to utilize the following roadway facilities as evacuation routes:

North-South Roadways

Pomerado Road – a four-lane north/south roadway that connects Twin Peaks Road to Spring Canyon Road. Within the study area, this roadway provides a center-left-turn lane median and has a posted speed limit of 45 miles (mph). Pomerado Road is primarily fronted by residential units and open space and provides pedestrian sidewalks and bicycle lanes on both sides of the roadway. San Diego MTS bus routes 945 and 945A currently provide services on Pomerado Road, north of Poway Road. Pomerado Road is classified as a Major Arterial by the City's Transportation Master Element, March 2010. Vehicles evacuating the project and adjacent neighborhoods are anticipated to travel north or south on this roadway to access Poway Road.

East-West Roadways

Poway Road – a four-lane east/west roadway that connects I-15 in the west to SR-67 in the east. The roadway has a posted speed limit of 35 miles per hour (mph) and is divided by a raised median. Within the study area, Poway Road provides direct access to commercial centers. Pedestrian sidewalks and bicycle lanes are present on both sides of the roadway. San Diego Metropolitan Transit System (MTS) bus routes 944, 945, and 945A currently provide services on Poway Road. Poway Road is classified as a Major Arterial by the City's Transportation Master Element, March 2010. Vehicles evacuating the project and adjacent neighborhoods are anticipated to travel east or west on this roadway to access I-15 or the Town & Country Plaza for safety.

Oak Knoll Road -a two-lane roadway that connects Sage View Road to Selier Street. The Proposed Project will take access via side-street stop-controlled intersections on Oak Knoll Road. This roadway is an undivided roadway with a posted speed limit of 25 mph and parallel parking provided on both sides of the roadway. Oak Knoll Road is fronted by residential units and small businesses. Pedestrian sidewalks are provided on both sides of the roadway and sharrow signs are painted on the roadway indicating that Oak Knoll Road is a bicycle route. According to the City's Transportation Master Element, March 2010, Oak Knoll Road is a local collector between Poway Road and Pomerado Road and a local road east of Pomerado Road. Vehicles evacuating the project and adjacent neighborhoods are anticipated to travel east or west on this roadway to access Carriage Road, Pomerado Road, or Poway Road. Roca Grande Drive will be a gated emergency vehicle access that could be used for resident evacuation purposes, at the discretion of PFD.

Evacuation Alternatives

Fires occurring on typical (non-extreme) fire weather days, when humidity is higher and winds are not as high or gusty, have been very successfully controlled at small sizes within minutes of ignition and would not typically trigger a need to evacuate the Harmon Ranch community. Partial evacuation of some dwellings could be an option, particularly those homes that are on the perimeter of the Project site.

If a wildfire ignited closer to the Harmon Ranch community during weather that facilitates fire spread, where multiple hours are not available for evacuation and placing residents on the roads could expose them to wildfire, an alternative evacuation approach would need to be explored. It is preferred to evacuate long before a wildfire is near, and in fact, history indicates that most human fatalities from wildfires are due to late evacuations when they are overtaken on roads. Therefore, it is prudent to consider a contingency option of temporary on-site refuge. For example, if a wildfire is anticipated to encroach upon the community or Oak Knoll Road in a timeframe that is shorter than would be required to evacuate all residents, then evacuations could be significantly impacted and the ability to temporarily shelter residents in their homes is a prudent contingency.

4.1 Evacuation Time Discussion

This analysis was performed in accordance with the requirements of the County of San Diego – Operational Area Emergency Operation Plan – Annex Q (Evacuation), September 2018 for the calculation of evacuation times. To analyze the evacuation events, simulations were conducted by transportation engineering firm INTERSECTING METRICS using Synchro/SimTraffic microsimulation software package (Version 10) by Trafficware Ltd. It considers lane utilization, turn pocket storage lengths, upstream and downstream queue spillbacks, and coordinated signal timings on intersection and roadway operations. Intersection delay/level of service results are based on the SimTraffic results, which are calculated from the simulated vehicles tracked throughout the network. A total of 10 simulations run were conducted to obtain a reasonable sample size, and the results of those runs were averaged to obtain the evacuation travel time (Appendix C).

Simulation Area

The simulation area used for this modeling includes the roadway network bounded by I-15 to the west, Carriage Road to the east, and Oak Knoll to the south. The same intersections analyzed in the Harmon Ranch Draft Local Transportation Analysis (Intersecting Metrics, April 4, 2023) were included in this model, as well as intersections on Poway Road between I-15 to Oak Knoll Road to simulate vehicles traveling to the I-15 and Poway Road interchange and Town & Country Plaza.

The residential neighborhoods included in the evacuation analysis are neighborhoods adjacent to the project site and close proximity to native fuels, which are most likely to be compromised during a wildfire. These neighborhoods include the residential units immediately south, east, and west of the project site, the units north and south of Poway Road, the units along Pomerado Avenue and Sabre Springs Parkway, and the units in the eastern area of the City of Poway. While there are other non-residential uses within the study area, such as business offices and retail centers, trips from those uses were not assumed in the evacuation analysis since the analyses were for late night conditions and those buildings would be closed for operation.

Evacuating Vehicles

The number of vehicles existing the evacuation area was developed based on the American Community Services 2021 data for 21 census block groups in the study area. A portion of residents in several of the census block groups were not assumed to enter the study area based on their closer proximity to other interchanges or major intersections. Therefore, the data for the census block groups were modified to include only the number of residents assumed to travel to the I-15 and Poway Road interchange or the Town & Country Plaza.

Additionally, there are two planned projects in the study area (Poway Road Mixed Use and Meridian Poway) that were assumed in the evacuation analysis. The Harmon Ranch Project's evacuation vehicles were calculated using vehicle ownership per household data for an adjacent census tract multiplied by the number of dwelling units. Therefore, assuming a vehicle ownership rate of 2.04 vehicles per household (per census tract 170.48), the Project would generate 129 evacuating vehicles (2.04 vehicles x 63 dwelling units = 129 evacuating vehicles).

Table 2. Evacuating Vehicles

Scenario	Evacuating Vehicles		
	Adjacent Neighborhoods and Planned Projects	Proposed Project	Total
Fire Driven from East	9,481	129	**9,610**
Fire Driven from West	6,673		**6,802**

As detailed in Appendix C, certain roadway network modifications were assumed in the model to represent potential traffic mitigation for roadways with available capacity and/or deployed traffic personnel directing traffic at key intersections. Additionally, the model assumes that under emergency evacuation conditions, traffic signals would revert to special timing plans and/or traffic personnel will be deployed at key intersections to help regulate traffic flow for primary evacuation approaches. Further, the model was coded to include primarily aggressive drivers, with drivers travelling with faster reaction times and shorter headways. Vehicle speeds would be limited by presumed congested conditions.

Evacuation Scenarios

The evacuation analysis includes the following four scenarios that considered traffic from Proposed Project and as evacuees from the adjacent neighborhoods:

- Opening Year Land Uses with Fire Driven from the East – This scenario estimates the evacuation time of the existing residential areas and planned projects adjacent to the project site. Under this scenario, it is assumed that the wind fire is driven from the east and evacuees are traveling west to the I-15 and Poway Road interchange for refuge.
- Opening Year Land Uses with Fire Driven from the West – This scenario estimates the evacuation time of the existing residential areas and planned projects adjacent to the project site. Under this scenario, it is assumed that the wind fire is driven from the west and evacuees are traveling east to the Town & Country Plaza.
- Opening Year Land Uses with Project With Fire Driven from the East – This scenario estimates the evacuation time of the Proposed Project residents, the existing residential areas adjacent to the project site, as well as the planned projects adjacent to the project site. Under this scenario, it is assumed that the

wind fire is driven from the east and evacuees are traveling west to the I-15 and Poway Road interchange for refuge.

- Opening Year Land Uses with Project With Fire Driven from the West – This scenario estimates the evacuation time of the Proposed Project residents, the existing residential areas adjacent to the project site, as well as the planned projects adjacent to the project site. Under this scenario, it is assumed that the wind fire is driven from the west and evacuees are traveling east to the Town & Country Plaza.

4.1.1 Potential for Project Evacuation Impact

Based on the analysis methodology described in the previous section, Table 2 summarizes the evacuation time for each analysis scenario. The evacuation time does not depict the evacuation time for each population modeled, but rather the time needed to evacuate all populations modeled. Populations located in closer proximity to the safe zone will safely evacuate sooner than the calculated evacuation time. Detailed evacuation travel time analysis information is provided in Attachment D of Appendix C.

Table 3. Evacuation Travel Time

	Total Evacuation Traffic		Evacuation Travel Time		
Safe Zone	Existing Land Uses	Existing Land Uses w/ Project	Existing Land Uses	Existing Land uses w/ Project	Delta
Fire Driven from East	9,481	9,610	118.2 mins (1 hr & 58 mins)	122.9 mins (2 hr & 2 mins)	4.6 mins
Fire Driven from West	6,673	6,802	83.0 mins (1 hr & 23 mins)	86.0 mins (1 hr & 26 mins)	3.0 mins

As shown in Table 2, for a wildfire driven from the east, it is anticipated to take the Proposed Project and the adjacent residential neighborhoods a total of 122.85 minutes to fully evacuate the study area, which is a 4.62-minute increase from the Opening Year conditions. For a wildfire driven from the west, it is anticipated to take the Proposed Project and the adjacent residential neighborhoods 86.04 minutes to evacuate the study area, which is a 3-minute increase from Opening Year conditions.

In addition to reviewing the evacuation travel time, the total intersection delay for the study area was evaluated to see the impact of the Proposed Project's traffic to the overall delay of the intersections along the evacuation routes. Table 3 displays the total intersection delay for the two scenarios. Detailed evacuation intersection delay information is provided in Attachment D of Appendix C.

Table 4. Evacuation Intersection Delay – Total Study Area

	Total Intersection Delay (Seconds)		
Scenario	Opening Year Land Uses	Opening Year Land Uses w/ Project	Delta
Fire Driven from East	725.3 sec (12 min & 05 sec)	367.6 sec (12 min & 12 sec)	6.9 sec
Fire Driven from West	637.6 sec (10 min & 37 sec)	641.0 sec (10 min & 40 sec)	3.3 sec

As shown in Table 3, the average total intersection delay for the study area with the Proposed Project is 732.2 and 640.9 seconds under the wildfire driven from the east and west scenarios, respectively. This is less than a 7 second increase compared to Opening Year conditions under each scenario.

There are currently no significance standards for evacuation travel time for the City of Poway or CEQA. Public safety, not time, is generally the guiding consideration for evaluating impacts related to emergency evacuation. The City considers a Project's impact on evacuation significant if the Project will significantly impair or physically interfere with implementation of an adopted emergency response or evacuation plan; or if the Project will expose people or structures to a significant risk of loss, injury, or death involving wildland fires.

Safely undertaking large-scale evacuations may take several hours or more and require moving people long distances to designated areas. Further, evacuations are fluid and timeframes may vary widely depending on numerous factors, including, among other things, the number of vehicles evacuating, the road capacity to accommodate those vehicles, residents' awareness and preparedness, evacuation messaging and direction, and on-site law enforcement control.

Notwithstanding evacuation challenges and variables, the success rate in the City of Poway in safely managing both mass and targeted evacuations is nearly 100% safe evacuations based on research showing there were no fire-caused deaths during the evacuation of the Witch Fire in 2007. Technological advancements and improved evacuation strategies learned from prior wildfire evacuation events have resulted in a system that is many times more capable of managing evacuations. With the technology in use today in the City, evacuations are more strategic and surgical than in the past, evacuating smaller areas at highest risk and phasing evacuation traffic so that it flows more evenly and minimizes the surges that may slow an evacuation. Mass evacuation scenarios where large populations are all directed to leave simultaneously, resulting in traffic delays, are thereby avoided, and those populations most at risk safely evacuate.

Based on the evacuation simulations above, evacuation traffic generated by the Project would only increase the total evacuation travel time by less than 5 minutes. With proper and effective evacuation managers and traffic control personnel, evacuation flow is anticipated to be able to be effectively managed.

The Project would provide emergency managers the alternative option of recommending residents temporarily seeking refuge on-site in fire-resistant buildings or within the wide, converted landscapes and hardscapes that would not readily facilitate wildfire spread. This would provide emergency managers with a safer alternative to risking a late evacuation. By contrast, the examples of Southern California evacuations that have included loss of life have been the result of residents who did not evacuate when directed, and then attempted a late evacuation with travel through long distances of exposed travel ways as wildfire were overtaking the area. These examples occurred in fire environments that were more aggressive and included less maintenance than would occur at the Project area.

The Project would not cut off or otherwise modify existing evacuation routes. It would, instead, implement certain roadway improvements that would improve evacuation, as discussed under the "Analysis Methodology" section above.

This information will be provided to emergency managers for use in pre-planning scenarios to better inform in the field decisions made pursuant to adopted Emergency Operations Plans. Emergency personnel who issue an evacuation order may take into account these time estimates in determining when and where to issue evacuation orders. In a real evacuation scenario, emergency managers may use alternative actions/options to further expedite evacuation.

Such actions may include providing additional lead time in issuing evacuation orders, providing alternative signal control at downstream intersections, utilizing additional off-site routes or directing traffic to roadways with additional capacity, implementing contra-flow lanes, issuing "shelter-in-place" orders when determined to be safer than evacuation, or considering the possibility of a delayed evacuation where parts of the population could be directed to remain on-site until the fire burns out in the sparse fuels around the evacuation route. These options require "in the field" determinations of when evacuations are needed and how they are phased to maximize efficiency. Overall, safe evacuation of the Project and surrounding community is possible in all modeled scenarios.

4.1.2 Mass Evacuation Vehicle Traffic

Mass evacuation events have become extremely rare as wildfire evacuation technology and capabilities have improved dramatically in the last 20 years. Wildfire evacuations are managed to move smaller populations in a successive phasing to minimize traffic surges. Populated areas are evacuated in phases based on proximity to the event and risk levels. For example, it is anticipated that wildfire evacuations of the Project area will likely include the relocation of perimeter populations that are closest to open space, either to on-site temporary shelter sites or off-site, rather than mass evacuating the entire area. The Project is built to ignition resistant standards and represent fire-safe fuel breaks that provide emergency managers many options that do not all include a mass evacuation. The result of this type of evacuation is that residents that may be in locations that would be closest to a wildfire burning in open space areas are temporarily moved from the vicinity and vehicle congestion on evacuation routes is minimized, enabling a more efficient evacuation. Under this evacuation approach, the evacuation would include a much smaller population and would be implemented in a surgical way. The evacuation time would be even lower and would have very little impact on the existing communities, except for evacuees who decide to leave the area despite not being directed to do so (Sorensen and Vogt 2006).

Phased Evacuation The purpose of a phased evacuation is to reduce congestion and transportation demand on designated evacuation routes by controlling access to evacuation routes in stages and sections. This strategy can also be used to prioritize the evacuation of certain communities that are in proximity to the immediate danger. A phased evacuation effort will need to be enforced by law enforcement agencies and coordinated with the EOC and affected jurisdictions.

Evacuations in San Diego County will soon be managed by a system that enables emergency managers to designate small areas in a surgical approach that can target neighborhoods, blocks or streets for alert messaging. Similarly, numerous cities and counties are implementing similar plans, with one example being an evacuation planning system called Zonehaven. Zonehaven is a software program that uses an algorithm incorporating various factors or inputs affecting disasters or emergency events to produce a digital evacuation map or real-time guide based on numerous, pre-set, community zones vs large swaths of a community. These factors include weather, traffic flows, street design, historical disaster data, geography and more. They are used to build a communitywide (city or county or whatever entity is purchasing the program) baseline digital map of evacuation zones.

First responders use these types of programs to guide decision-making for if, when, and where to order evacuations or evacuation warnings. Residents of affected zones are alerted using a variety of means, including alert systems, Nixle local alerts, social media such as Twitter and Facebook, and door-to-door warnings.

Dept of Homeland Security (2019) provides supporting data for why jurisdictions have moved to the surgical evacuation approach that leverages the power of situation awareness to support decision making. According to their Planning Considerations: Evacuation and Shelter in Place document, they indicate that delineated zones provide benefits to the agencies and community members. Evacuation and shelter-in-place zones promote phased, zone-based evacuation targeted to the most vulnerable areas, which allows jurisdictions to prioritize evacuation orders to the most vulnerable zones first and limit the need to evacuate large areas not under the threat. Zones help:

- Jurisdictions to understand transportation network throughput and capacity, critical transportation and resource needs, estimated evacuation clearance times, and shelter demand.
- Planners to develop planning factors and assumptions to inform goals and objectives.
- Community members to understand protective actions to take during an emergency.
- Shelters to limit traffic congestion and select locations suitable for the evacuated population.

The amount of time needed to evacuate the Project would vary by the type of incident, the number of evacuation routes utilized, the amount of mobilization time, actual areas at risk, and other factors. It has also been established herein that the targeted approach would minimize the size of the area being evacuated and use a phased approach, which may further reduce the evacuation time estimates.

There is no evacuation timeframe threshold that Projects must meet in order to avoid a CEQA impact or to be consistent with codes, regulations or policies. Regardless, the Project has provided a comprehensive evacuation evaluation, and the evacuation time results are comparable to similar sized populations under a mass evacuation.

Further, any additional time does not necessarily generate a greater safety risk. Emergency personnel who issue evacuation orders can consider the additional time needed to implement an evacuation when determining when and where to issue evacuation orders. Risk to nearby development, including the Project or existing communities, is assessed on a regular basis in a wildfire event. Hours or days of lead time may be available to assess risk and make evacuation determinations. Further, peak occupancy conditions like those assumed in the modeling typically do not occur as all residents are not typically at home while maximum occupancy at industrial, commercial and office uses is also occurring. Further, drifting smoke, awareness of the risk, road closures, or other factors result in people avoiding the area in a fire event. Additionally, the Project could allow people to shelter-in-place or take temporary refuge within the Project site, which could reduce evacuating traffic from the site.

The potential occurrence of a large evacuation event including evacuation of existing populations is minimal, but possible. In this case, the existing populations for the Project would be existing residential surrounding the Project site and commercial uses to the north. During a large wildfire moving from east to west, it is most likely, that evacuations would be directed to I-15, depending on the fire location and movement. The vehicle capacity estimates utilized for this evacuation plan are based the current Highway Capacity Manual methodology for calculating adjusted saturation flow rates and are discounted for various assumed traffic-related slowing, such as higher volume and downstream bottlenecks; therefore, estimates include capability to absorb additional vehicles.

In an actual evacuation scenario, a phased evacuation would be implemented where orders are given to evacuate based on vulnerability, location, and/or other factors, which enables the subsequent traffic surges on major roadways to be smoothed over a longer time frame and improve traffic flow. A phased strategy can also be used to prioritize the evacuation of certain communities that are in proximity to the immediate danger. The limitations of

the model used for this analysis are such that it cannot accurately reflect phased evacuation conditions; hence, a worst-case mass evacuation scenario was assumed.

This WEP assumes that law enforcement personnel are controlling downstream intersections to maintain traffic flow out of the area. If traffic flow is not maintained, then the estimated evacuation times would be expected to increase, potentially substantially, as is the case in any urban area. Additionally, this analysis assumes that all existing populations within the Project area and the Project are evacuating simultaneously.

4.2 Evacuation Route Determination

Typically, fire and law enforcement officials will identify evacuation points before evacuation routes are announced to the public. Evacuation routes are determined based on the location and extent of the incident and its spread rate and direction and include as many pre-designated transportation routes as possible. However, field conditions and shifting fire behavior may result in real-time changes to predetermined routes. Having additional evacuation route options is considered critical in these conditions. Under extreme fire weather events, when wildfire is approaching from the north or east, driven by Santa Ana winds, it is unlikely that evacuation would occur to the east, toward the fire, unless there is substantial time until the fire arrival. Therefore, under these conditions, which is the most likely type of wildfire to result in an evacuation, this analysis assumes all traffic, existing and proposed Project related, would be sent west to I-I5.

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5 Harmon Ranch Wildfire/ Evacuation Awareness

The Harmon Ranch HOA should be active in its outreach to its residents regarding fire safety and general evacuation procedures. There are aspects of fire safety and evacuation that require a significant level of awareness by the residents and emergency services to reduce and/or avoid problems with an effective evacuation. Mitigating potential impediments to successful evacuations requires focused and repeated information through a strong educational outreach program. The Harmon Ranch HOA should engage residents and coordinate with local fire agencies for fire safety awareness through a variety of methods.

This WEP will be accessible on the HOA's website. Annual reminder notices will be provided to each homeowner encouraging them to review this WEP and be familiar with community evacuation protocols. The HOA will coordinate with local fire agencies to hold an annual fire safety and evacuation preparedness informational meeting. The meeting will be attended by representatives of appropriate fire agencies and important fire and evacuation information will be reviewed. One focus of these meetings and of the HOA's annual message will be on the importance of each resident to prepare and be familiar with their own "Ready, Set, Go!" Action Plan. The "Ready, Set, Go!" program is defined at:

https://poway.org/830/Ready-Set-Go-Wildfire-Readiness , and information about preparing a personalized Action Plan is provided in Appendix A of this document.

The focus of the "Ready, Set, Go!" program is on public awareness and preparedness, especially for those living in the wildland-urban interface (WUI) areas. The program is designed to incorporate the local fire protection agency as part of the training and education process in order to ensure that evacuation preparedness information is disseminated to those subject to the potential impact from a wildfire. There are three components to the program:

- **"READY" – Preparing for the Fire Threat:** Take personal responsibility and prepare long before the threat of a wildfire so you and your home are ready when a wildfire occurs. Create defensible space by planting and maintaining ignition-resistant vegetation near your home. Use only fire-resistant landscaping and maintain the ignition resistance of your home. Assemble emergency supplies and belongings in a safe spot. Confirm you are registered for Reverse 911, Alert San Diego, and Community alert system. Make sure all residents residing within the home understand the plan, procedures and escape routes.
- **"SET" – Situational Awareness When a Fire Starts**: If a wildfire occurs and there is potential for it to threaten Harmon Ranch and surrounding communities, pack your vehicle with your emergency items. Stay aware of the latest news from local media and your local fire department for updated information on the fire. If you are uncomfortable, leave the area.
- **"GO!" – Leave Early!** Following your Action Plan provides you with knowledge of the situation and how you will approach evacuation. Leaving early, well before a wildfire is threatening your community, provides you with the least delay and results in a situation where, if a majority of neighbors also leave early, firefighters are now able to better maneuver, protect and defend structures, evacuate other residents who couldn't leave early, and focus on citizen safety.

"READY SET GO!" is predicated on the fact that being unprepared and attempting to flee an impending fire late (such as when the fire is physically close to your community) is dangerous and exacerbates an already confusing situation. This Harmon Ranch Wildfire Evacuation Plan provides key information that can be integrated into the individual evacuation plans, including the best available routes to use in the event of an emergency evacuation.

Situation awareness requires a reliable information source. One of the most effective public notification methods is Reverse 911. The San Diego OES operates the Reverse 911 notification system that provides a recorded message over land line telephone systems relating to evacuation notices. In addition, OES operates a program known as "Alert San Diego" that has the capability to send emergency notifications over both land lines as well as to cell phones and via text messages. It is up to individual residents to register their cell phones for "Alert San Diego." The registration of cell phones can be done online at www.ReadySanDiego.com. In addition, the San Diego Emergency Alert System (EAS) is county-wide and broadcasts emergency information via two radio stations: KOGO AM 600 and KLSD AM 1360.

Although not relying on this for safe and effective evacuations, as part of the Harmon Ranch resident fire awareness and evacuation readiness program, information will be delivered in a variety of methods (e.g., website, mailers, in-person meetings). The HOA will be responsible for providing access to this Wildfire Evacuation Plan, including materials from the "Ready, Set, Go!" Program.

The HOA, through its CC&R's will actively participate as a partner with the PFD to assist with the coordination and distribution of fire safety and evacuation information to Project residents.

6 Harmon Ranch Evacuation Procedures

6.1 Relocation/Evacuation

It is estimated that the minimum amount of time needed to move the Harmon Ranch population to urbanized and/or designated evacuation areas may require up to approximately 2 hours under varying constraints that may occur during an evacuation. This does not include additional allowances for the time needed to detect and report a fire, for fire response and on-site intelligence, for phone, patrols, and aerial based notifications, and for notifying special needs citizens.

Wolshon and Marchive (2007) simulated traffic flow conditions in a computer derived WUI under a range of evacuation notice lead times and housing densities. To safely evacuate more people, they recommended that emergency managers (1) provide more lead time to evacuees and (2) control traffic levels during evacuations so that fewer vehicles are trying to exit at the same time.

Wildfire emergency response procedures will vary depending on the type of wildfire and the available time in which decision makers (IC, PFD, CAL FIRE, SDSD, and/or County Office of Emergency Management) can assess the situation and determine the best course of action. Based on the Harmon Ranch Project and surrounding communities, its road network, and the related fire environment, the first and primary type of evacuation envisioned is an orderly, pre-planned evacuation process where people are evacuated to more urban areas further from an encroaching wildfire (likely to urban areas north [and west]) well before fire threatens. This type of evacuation must include a conservative approach to evacuating (i.e., when ignitions occur and weather is such that fires may spread rapidly, evacuations should be triggered on a conservative threshold that includes time allowances for unforeseen, but possible, events that would slow the evacuation process).

The second type of evacuation is considered by many to offer the highest level of life protection to the public, but it can result in evacuees being placed in harm's way if the time available for evacuation is insufficient (Cova et al. 2011). An example of this type of evacuation, which is highly undesirable from a public safety perspective, is an evacuation that occurs when fire ignites close to vulnerable communities. This type of situation is inherently dangerous because there is generally a higher threat to persons who are in a vehicle on a road when fire is burning in the immediate area than in a well-defended, ignition-resistant home. Conditions may become so poor that the vehicle drives off the road or crashes into another vehicle, and flames and heat overcome the occupants. A vehicle offers little shelter from a wildfire if the vehicle is situated near burning vegetation or catches fire itself. This type of evacuation must be considered a very undesirable situation by law and fire officials in all but the rarest situations where late evacuation may be safer than seeking temporary refuge in a structure (such as when there are no nearby structures, the structure[s] is/are already on fire, or when there is no other form of refuge). Temporary refuge would be possible within the Harmon Ranch structures, but structures within surrounding communities, as previously discussed, are less desirable due to their higher vulnerability to ignition.

The third potential type of evacuation is a hybrid of the first two. In cases where evacuation is in process and changing conditions result in a situation that is considered unsafe to continue evacuation, it may be advisable to direct evacuees to pre-planned temporary refuge locations, including their own home if it is ignition-resistant and defensible. As with the second type of evacuation discussed above, this situation is considered highly undesirable, but the evacuation

pre-planning must consider these potential scenarios and prepare decision makers at the IC level and at the field level for enacting a contingency to evacuation when conditions dictate.

Indications from past fires and related evacuations, in San Diego County and throughout Southern California, which have experienced increasingly more frequent and larger fires, are that evacuations are largely successful, even with a generally unprepared populace. It then stands to reason that an informed and prepared populace would minimize the potential evacuation issues and related risk to levels considered acceptable from a community perspective.

Evacuation orders or notifications are often triggered based on established and pre-determined model buffers, which are based on topography, fuel, moisture content of the fuels and wind direction. Evacuations are initiated when a wildfire reaches or crosses one of these pre-determined buffers. Evacuations can also be very fluid. The IC, law enforcement and OES would jointly enact evacuations based on fire behavior.

6.2 Harmon Ranch Project Evacuation Baseline

For purposes of this Wildfire Evacuation Plan, the first and most logical choice for all the residents and guests within the boundaries of Harmon Ranch Project is to adhere to the principles and practices of the "Ready, Set, Go!" Program previously mentioned in this document. As part of this program, it is important that each household develop a plan that is clearly understood by all family members and participates in the educational and training programs sponsored by the Harmon Ranch HOA and the PFD. It must be kept in mind that conditions may arise that will dictate a different evacuation route than the normal roads used on a daily basis.

Residents are urged to evacuate as soon as they are notified to do so or earlier if they feel uncomfortable. Directions on evacuation routes will be provided in most cases, but when not provided, residents of the Project will proceed according to known available routes away from the encroaching fire as detailed in Quick Reference section of this report. Residents are cautioned not to rely on navigation aid apps which may inadvertently lead them toward an oncoming fire. Depending on the type of emergency and the resulting evacuation, it could take up to approximately 2 hours or more to complete a community-wide evacuation of the Project and surrounding communities, based on road capacities and competing use of the roads by residents from other areas.

Note: This WEP will require adjustment and continued coordination by the Harmon Ranch HOA and/or developer and fire/law enforcement agencies during each of the construction phases. With each phase, the evacuation routes may be subject to changes with the addition of both primary and secondary evacuation routes.

6.3 Civilian and Firefighter Evacuation Contingency

As of this document's preparation, no community in California has been directed to shelter-in- place during a wildland fire. Even the communities in Rancho Santa Fe, California, which are designed and touted as shelter-in-place communities, were evacuated during the 2007 Witch Creek Fire. This is not to say that people have not successfully sheltered-in-place during wildfire, where there are numerous examples of people sheltering in their homes, in hardened structures, in community buildings, in swimming pools, and in cleared or ignition-resistant landscape open air areas. The preference will always be early evacuation following the "Ready, Set, Go!" model, but there exists the potential for unforeseen civilian evacuation issues, and having a contingency plan will provide direction in these situations that may result in saved lives.

Potential problems during wildfire evacuation from the Harmon Ranch community include:

- Inadequate time to safely evacuate
- Fire evacuations during rush hour traffic or when large events are occurring
- Blocked traffic due to accidents or fallen tree(s) or power pole(s)
- The need to move individuals who are unable to evacuate

It is recommended that local law enforcement and fire agencies conduct concerted pre-planning efforts focusing on evacuation contingency planning for civilian populations when it is considered safer to temporary seek a safer refuge than evacuation. Harmon Ranch structures would allow for the possibility of temporary sheltering while structures in surrounding communities would not typically be considered ignition-resistant and therefore, not appropriate for temporary refuge.

6.3.1 Safety Zones

The International Fire Service Training Association (IFTSA; Fundamentals of Wildland Fire Fighting, 3rd Edition) defines "safety zones" as areas mostly devoid of fuel, which are large enough to assure that flames and/or dangerous levels of radiant heat will not reach the personnel occupying them. Areas of bare ground, burned over areas, paved areas, and bodies of water can all be used as safety zones. The size of the area needed for a safety zone is determined by fuel types, its location on slopes and its relation to topographic features (chutes and saddles) as well as observed fire behavior. Safety zones should never be located in topographic saddles, chutes or gullies. High winds, steep slopes or heavy fuel loads may increase the area needed for a safety zone.

The National Wildland Fire Coordinating Groups (NWFCG), Glossary of Wildland Fire Terminology provides the following definitions for safety zones:

> Safety Zone. An area cleared of flammable materials used for escape in the event the line is outflanked or in case a spot fire causes fuels outside the control line to render the line unsafe. In firing operations, crews progress so as to maintain a safety zone close at hand allowing the fuels inside the control line to be consumed before going ahead. Safety zones may also be constructed as integral parts of fuelbreaks; they are greatly enlarged areas, which can be used with relative safety by firefighters and their equipment in the event of blowup in the vicinity.

According to NWFCG, safety zone(s):

- Must be survivable without a fire shelter
- Can include moving back into a clean burn
- May take advantage of natural features (rock areas, water, meadows)
- Can include constructed sites (clear-cuts, roads, helispots)
- Are scouted for size and hazards
- Consider the topographic location (larger if upslope)
- Should be larger if downwind
- Should not include heavy fuels
- May need to be adjusted based on site-specific fire behavior

The definition for a safety zone includes provisions for separation distance between the firefighter and the flames of at least four times the maximum continuous flame height. Distance separation is the radius from the center of the safety zone to the nearest fuels. The Project is considered infill development with some conserved open space to the north of the Project site, it would be possible to navigate to roadways and structures on the southern portion of the Project site.

Safety zones are available within the Harmon Ranch community, but the Poway Crossings Shopping Mall parking lot, just north of the community offers the best possibility for a safety zone for firefighter use. The Harmon Ranch community will include the ability for firefighters to seek safety zones within the southern portion of the Project site, but identification of other potential safety zones will require additional focused study by PFD and other fire and law enforcement agencies.

6.3.2 Temporary Firefighter Refuge Areas

Firescope California (Firefighting Resources of Southern California Organized for Potential Emergencies) was formed by legislative action to form a partnership between all facets of local, rural, and metropolitan fire departments, CAL FIRE and federal fire agencies. Firescope defines a contingency plan when it is not possible to retreat to a safety zone. This contingency includes establishment of firefighter temporary refuge areas (TRAs), which are defined as:

> A preplanned area where firefighters can immediately take refuge for temporary shelter and short-term relief without using a fire shelter in the event that emergency egress to an established safety zone is compromised.

Examples of a TRA may include the lee side of a structure, inside of a structure, large lawn or parking areas, or cab of a fire engine, amongst others. Differences between a TRA and a Safety Zone is that TRAs are closer to the immediate firefighting area, are considered a contingency to being able to get to a safety zone, do not include a requirement for a large area set back four times the flame lengths of adjacent fuels, and cannot be feasibly pre-planned until firefighters arrive on-scene and size up the situation.

Firescope appropriately notes that although safety zones and viable escape routes shall always be identified in the WUI environment, they may not be immediately available should the fire behavior increase unexpectedly. Often a TRA is more accessible in the WUI environment. A TRA will provide temporary shelter and short-term relief from an approaching fire without the use of a fire shelter and allow the responders to develop an alternate plan to safely survive the increase in fire behavior.

The major difference between a TRA and a safety zone is that a TRA requires another planned tactical action (i.e., TRAs cannot be considered the final action, but must include self-defense and a move out of the area when the fire threat subsides). A TRA should be available and identified on site at a defended structure. TRAs are NOT a substitute for a safety zone. TRA pre-planning is difficult, at best because they are very site- and fire behavior-specific. For the Harmon Ranch community, TRAs would likely include navigating into the densely developed areas where firefighters would be separated from the unmaintained wildland fuels by wide areas including site-wide maintained landscapes, ignition-resistant residences, and wide roads that offer numerous opportunities for TRA.

The entire developed portion of Harmon Ranch development, but especially the interior dwellings, are considered TRAs. This is an important concept because it offers last-resort, temporary refuge of firefighters, and in a worst-case condition, residents. This approach would be consistent with Firescope California (2013), which indicates that firefighters must determine if a safe evacuation is appropriate and if not, to identify safe refuge for those who cannot be evacuated, including civilians.

Each of the Project's residences that can be considered for TRA include the following features:

- Ignition-resistant construction materials (e.g., Class A roofs, stucco exterior)
- Wide roadways with fire hydrants
- Interior fire sprinklers

Because there is the possibility that evacuation of the Project and surrounding communities may be less safe than temporarily refuging on site, such as during a fast-moving, wind-driven fire that ignites nearby, including temporary refuge within some properly designed, constructed and maintained residences onsite is considered a contingency plan for the Harmon Ranch Project. This concept is considered a component of the "Ready, Set, Go!" model as it provides a broader level of "readiness" should the ability to execute an early evacuation be negated by fire, road congestion, or other unforeseen issues.

Note: This approach would be considered a last-resort contingency during wildfire with the primary focus being on early evacuation. The decision for evacuation or temporarily refuging on site will be made by responding law enforcement and/or fire personnel.

6.4 Social Aspects of Wildfire Evacuation

Orderly movement of people is the result of planning, training, education, and awareness, all of which are promoted in San Diego. Evacuation has been the standard term used for emergency movement of people and implies imminent or threatening danger. The term in this Wildfire Evacuation Plan, and under the "Ready, Set, Go!" concept, indicates that there is a perceived threat to persons and movement out of the area is necessary, but will occur according to a pre-planned and practiced protocol, reducing the potential for panic.

Citizen reactions may vary during an evacuation event, although several studies indicate that orderly movement during wildfire and other emergencies is not typically unmanageable. Evacuation can be made even less problematic through diligent public education and emergency personnel training and familiarity. Social science research literature indicates that reactions to warnings follow certain behavior patterns that are defined by people's perceptions (Aguirre 1994; Drabek 1991; Fitzpatrick and Mileti 1994; Gordon 2006; Collins 2004) and are not unpredictable. In summary, warnings received from credible sources by people who are aware (or have been made aware) of the potential risk, have the effect of an orderly decision process that typically results in successful evacuation. This success is heightened when evacuations are not foreign to residents (Quarantelli and Dynes 1977; Lindell and Perry 2004) as will occur within the Project area. Further, in all but the rarest circumstances, evacuees will be receiving information from credible sources during an evacuation. It would be anticipated that law enforcement and/or fire personnel would be on site to help direct traffic and would be viewed by evacuees as knowledgeable and credible. The importance of training these personnel cannot be overstated and annual education and training regarding fire safety and evacuation events will be essential for successful future evacuations.

6.4.1 Evacuation of Special Populations

Vogt (1990 and 1991) defines special populations as those groups of people who, because of their special situations or needs, require different planning strategies from those of the general population. Special needs populations include those in institutions or special facilities, those with disabilities in homes, those who need care, children, and others who cannot provide for their own evacuation if necessitated. The special needs population is concentrated in facilities but is also widespread in terms of facility locations and those who live in residences. Special needs populations in Harmon Ranch include people with disabilities, the hearing or visually impaired, senior citizens, foreign speaking, visitors passing through the area, temporary visitors such as day workers, and the non-ambulatory confined to residences either temporarily or permanently.

6.4.2 Animal Evacuations

Animal evacuations present a host of challenges that may affect the overall successful movement of people and their possessions out of harm's way. For example, livestock owners do not always have the means to load and trailer their livestock out of the area. Further, most wildfire evacuation relief shelters or commercial lodging facilities do not allow people to bring in pets or other animals. Sorensen and Vogt (2006) indicate that an issue receiving increasing attention is what evacuees do with pets or other animals such as livestock when they leave their homes and whether having pets or animals impacts their decision to evacuate.

The Harmon Ranch Project would not accommodate livestock onsite. However, household pets are a common occurrence.

6.4.3 Re-Entry Procedures

An important component of evacuations is the citizen re-entry process. Guidance and procedures to ensure a coordinated, safe, and orderly re-entry into impacted communities following an incident is provided in the County of San Diego Re-Entry Protocol.

Guidance and procedures to ensure a coordinated, safe, and orderly repopulation into impacted communities following an incident is provided in the County of San Diego Evacuation and Repopulation Plans.

Repopulation will be initiated by the Incident Commander/Unified Command of the Incident Management Team, with the support of the Director of Emergency Services, the OA EOC Director, and the Operations Section Chief at the OA EOC. In most cases the OA EOC will remain activated until full repopulation is complete. In the event that the OA EOC has been deactivated, the Incident Commander or the Liaison Officer of the Incident Management Team will initiate repopulation procedures.

The Incident Commander will designate staff to the Evacuation/Repopulation Branch and the Operations Section Chief of the OA EOC will coordinate with and support the Evacuation/Repopulation Branch Coordinator. The Evacuation/Repopulation Coordinator is responsible for coordinating the repopulation procedures with all involved agencies and ensuring effective communication.

The public will be notified of repopulation through various notification measures previously mentioned in this annex, which may include Alert San Diego, the SDEmergency App for smart phones, emergency broadcast radio, television, press releases, informational phone lines such as 2-1-1, community briefings, and informational updates at shelters.

7 Implementing Conditions

1. The Harmon Ranch HOA will include a proactive facility wildfire education program utilizing a multi-pronged approach to fire safety including "Ready, Set, Go!" preparations and individual evacuation plans for residents. To include, but not limited to:
   a. Annual wildfire and evacuation safety awareness meeting in coordination with local fire agencies.
   b. Annual reminder notices will be provided to each homeowner encouraging them to review this WEP and be familiar with community evacuation protocols.
   c. The HOA website will host a webpage dedicated to wildfire and evacuation education and awareness, which should include a copy of this Wildfire Evacuation Plan and the resources provided herein.
2. The HOA will designate a Fire Safety Coordinator(s) to oversee implementation of the wildfire education program. The Fire Safety Coordinator(s) will:
   a. Prepare and distribute the annual reminder notice that shall be provided to each occupant encouraging them to review this WEP and be familiar with community evacuation protocols.
   b. Coordinate with local fire agencies to hold an annual fire safety and evacuation preparedness informational meeting for occupants. The meeting should be attended by representatives of appropriate fire agencies and important fire and evacuation information should be reviewed.
   c. Maintaining fire safety information on the development's website, including the WEP and materials from the "Ready, Set, Go!" Program.
   d. Review and update, if necessary, the P.A.C.E. Evacuation Plan every two years.
3. The Project includes a contingency plan for the rare occurrence that evacuation is not safe that includes residents sheltering in place within onsite structures.

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8 Limitations

This Emergency Wildfire Evacuation Plan incorporates concepts and protocols consistent with industry standards and has been developed based on City of Poway and San Diego County wildfire and evacuation standards per the City's EOP and the County's EOP documents and is specifically intended as a guide for evacuations for the Harmon Ranch Project. This Emergency Wildfire Evacuation Plan provides basic evacuation information that will familiarize residents of the Project with the evacuation route options that may be available to them during an emergency. However, because emergencies requiring evacuation have many variables and must be evaluated on a case-by-case basis, real-time law enforcement and fire personnel/agencies' decision-making and direction during an emergency requiring evacuation would supersede this WEP.

This WEP analyzes the existing community's evacuation times currently and with the proposed Harmon Ranch Project. The estimated evacuation times are based on several assumptions as detailed in this WEP. However, actual evacuation times may be faster or slower than the estimates, depending on the type of emergency, the extent of the evacuation, the time of day, and other factors. A collective, community–wide evacuation of existing populations and the proposed population from the Project would include congested roads in its existing condition that are improved, but still congested, with the Harmon Ranch Project. Congested roads are normal in any urban setting when a large evacuation is declared unless it is managed and evacuation areas are staggered to reduce the potential traffic surges that can significantly impact evacuations. Therefore, there would likely still be congestion and delays.

This Wildfire Evacuation Plan promotes the "Ready, Set, Go!" model, adopted by PFD, San Diego County, CAL FIRE, and many fire agencies statewide. The goal is to raise agency and citizen awareness of potential evacuation issues and get a majority of the public "Ready" by taking a proactive stance on preparedness, and evacuation planning efforts. The Harmon Ranch Project populace will be "Set" by closely monitoring the situation whenever fire weather occurs and/or when wildland fire occurs and elevating pre-planned protocol activities and situation awareness. Lastly, officials will implement the plan and mandate that populations "Go" by executing pre-planned evacuation procedures in a conservative manner (i.e., evacuation will occur based on conservative decision points, as proposed in this evacuation plan or when directed by fire and law enforcement personnel, whichever is more conservative). The preferred alternative will always be early evacuation. However, there may be instances when evacuation is not possible, is not considered safe, or is not an option based on changing conditions. For example, should a fire occur and make evacuation from the Project area ill advised, a contingency plan for residents should be available. This contingency would include moving people to pre-designated TRAs until it is safe to evacuate or the threat has been mitigated.

Ultimately, it is the intent of this Wildfire Evacuation Plan to guide the implementation of evacuation procedures such that the process of evacuating people from the Harmon Ranch Project is facilitated in an efficient manner and according to a pre-defined evacuation protocol as well as providing a contingency option of temporarily refuging onsite, if evacuation is considered less safe. The Project's residents should be aware of this Wildfire Evacuation Plan and components of it shall be posted on the HOA's website. It is also recommended that the HOA provide reminders to residents on at least an annual basis. This educational outreach will result in a populace that understands the potential for evacuations and the routes and options that may be presented to them.

During extreme fire weather conditions, there are no guarantees that a given structure will not burn or that evacuations will be successful all the time. Wildfires may occur in the area that could damage property or harm persons. However, successful implementation of the procedures outlined in this Wildfire Evacuation Plan will provide for an informed populace regarding evacuations.

This WEP does not provide a guarantee that all persons will be safe at all times because of the procedures discussed. There are many variables that may influence overall safety. This WEP provides a summary for implementation of standard evacuation protocols and public outreach, which should result in reduced wildfire related risk and hazard. Even then, fire can compromise the procedures through various, unpredictable ways. The goal is to reduce the likelihood that the system is compromised through implementation of the elements of this WEP and regular occurring program maintenance and updates.

It is recommended that the evacuation process is carried out with a conservative approach to fire safety. This approach must include embracing a "Ready, Set, Go!" stance on evacuation. Accordingly, evacuation of the wildfire areas should occur as soon as they receive notice to evacuate, which may vary depending on many environmental and other factors. Fire is a dynamic and somewhat unpredictable occurrence, and it is important for anyone living at the wildland-urban interface to educate themselves on practices that will improve safety.

Limitations

The underlying planning principle for fire preparedness, given the dynamic nature of a fire, is to demonstrate the availability of multiple route alternatives and response strategies to permit emergency professionals to manage their response according to the specific circumstances. The Study Area provides ample route and response alternatives. Emergency responders will coordinate the safest possible evacuation based on the dynamic circumstances of the actual event, including the appropriate phasing of the evacuation, and utilization of the most appropriate ingress and egress routes for area residents and emergency responders.

The breadth of route alternatives and response strategies available to emergency professionals to manage a potential fire in this region cannot and should not be evaluated using the INTERSECTING METRICS' Evacuation Analysis – Technical Memorandum alone. A comprehensive view of Project fire safety is gained by understanding this memo, the Project's Wildfire Evacuation Plan, along with the standard protocols and "in-the-field" decision making of emergency responders.

This Wildfire Evacuation Plan presents a reasonable vehicle travel time estimate based on professional judgments made by INTERSECTING METRICS with input from Dudek. Changing any number of these assumptions can lengthen or shorten the average vehicle travel time.

For instance, a situation could arise in which professionals *may* choose to utilize additional roadways for evacuation not utilized in the Dudek/INTERSECTING METRICS analysis, and *may also* choose to send more vehicle trips to certain evacuation routes, and *may also* choose to guide vehicle trips to more or different route permutations relative to what has been modeled in this the Dudek/INTERSECTING METRICS analysis.

The net result of changing the variables selected could yield an average evacuation travel time shorter or longer than the results detailed in the Dudek/INTERSECTING METRICS analysis. Many factors can shorten or lengthen the vehicle time from the results shown herein. For example:

1. Changing the possible evacuation routes selected would affect the results. For instance, utilizing roads for ingress and/or egress that are not utilized in this analysis could shorten vehicle travel times relative to the results shown herein.
2. Increasing or decreasing the number of path permutations and percentage of the population utilizing each route that leads out of the immediate area could shorten or lengthen vehicle travel time relative to the results shown herein.
3. Emergency professionals electing to reserve certain road lanes for emergency vehicle ingress for portions of time could affect the travel time relative to the results shown herein.
4. Assuming evacuees utilize fewer or more vehicles to evacuate from the Project or surrounding communities relative to the Vehicle Utilization Rate selected in the analysis would shorten or lengthen vehicle travel time relative to the results shown herein.
5. Changing the mix of vehicle trips allocated to each evacuation route could shorten or lengthen vehicle travel time relative to the results shown herein.
6. Assuming a different road capacity adjustment factors could shorten or lengthen the vehicle travel time relative to the results shown herein.
7. Assuming fewer people are at home when the evacuation notice is given would reduce the number of vehicle trips and shorten vehicle travel time relative to the results shown herein. For instance, an evacuation during daytime hours would typically result in fewer outbound trips than assumed in this analysis.
8. Assuming some portion of vehicle trips are made in advance of the evacuation notice would reduce the number of vehicle trips relative to the results shown herein.
9. Assuming some homeowners and their families are not in the Study Area when evacuation notice is given (most likely in a daytime evacuation event), could reduce the number for vehicle trips relative to the results shown herein.

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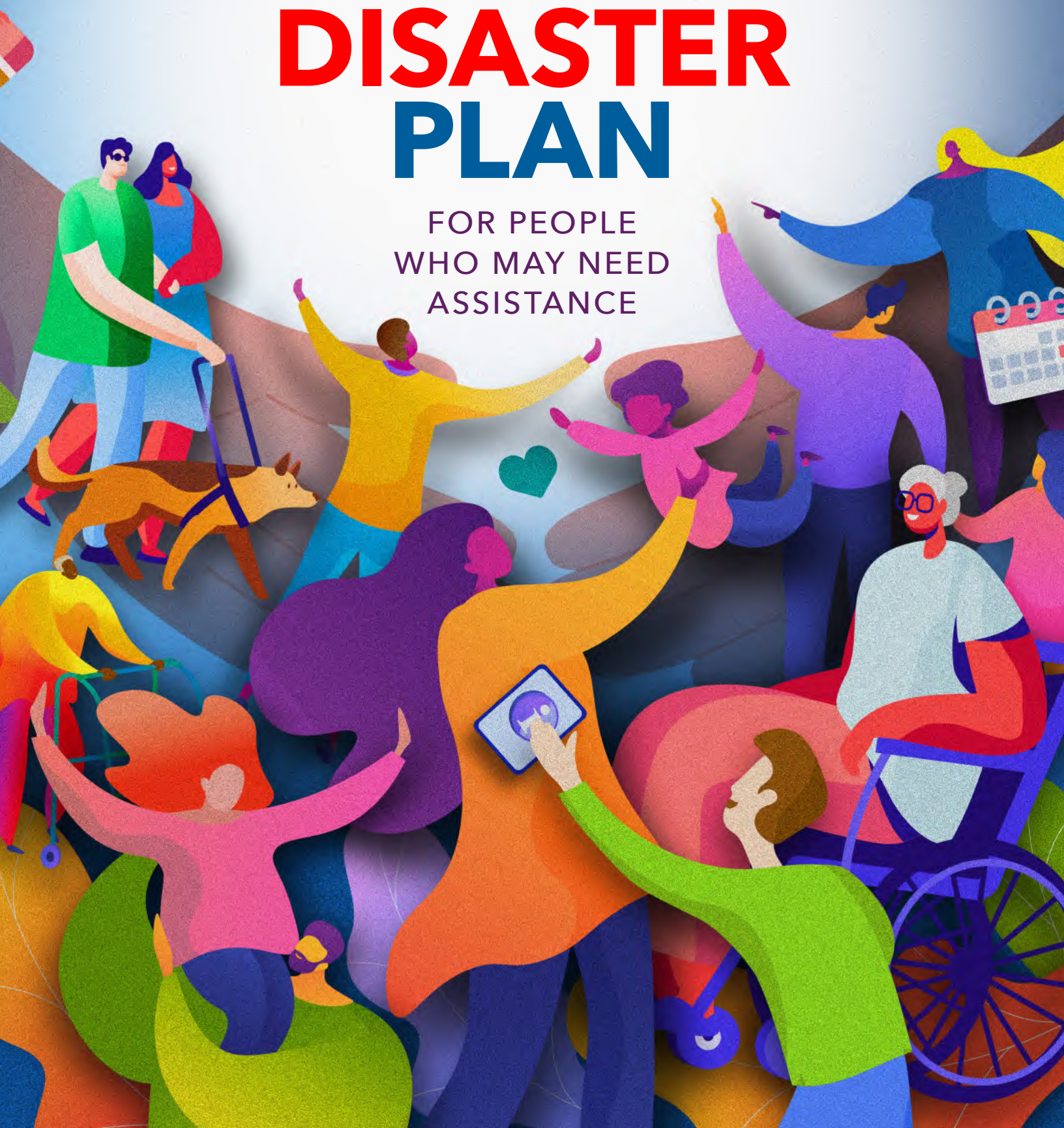
Appendix A1-A3

City of Poway Emergency Preparedness Resources, San Diego County Emergency Preparedness Resources and “Ready, Set, Go!” Wildland Fire Action Guide

COUNTY OF SAN DIEGO OFFICE OF EMERGENCY SERVICES

PERSONAL DISASTER PLAN

FOR PEOPLE WHO MAY NEED ASSISTANCE



Introduction

This guide supports older adults, people with disabilities, caregivers, and others who may benefit from help when planning for disasters.

Emergencies can range from falls in the home to fires and earthquakes. Each person has unique abilities and needs during a disaster, and everyone can take steps to prepare.

This guide will help you evaluate your needs and make a personalized emergency plan so that you and your loved ones can be better prepared.

Steps to Prepare for any Emergency

GET CONNECTED

Preparedness is all about people.

Build your support network.

05

MAKE A PLAN

Know where to go, what to do, and who can help.

Share your plan with your support network.

13

GATHER SUPPLIES

Create a Go Kit with supplies you can easily take with you.

Assemble a Home Kit with supplies for sheltering in place.

37

STAY INFORMED

Get alerts and know your local resources.

45

Get Connected
The first step in disaster preparedness is building a support network of people who can help

Preparedness is all about People

Our social connections help us respond better to challenges during emergencies.

Social connections also provide physical and mental health benefits to improve your ability to react to disasters.

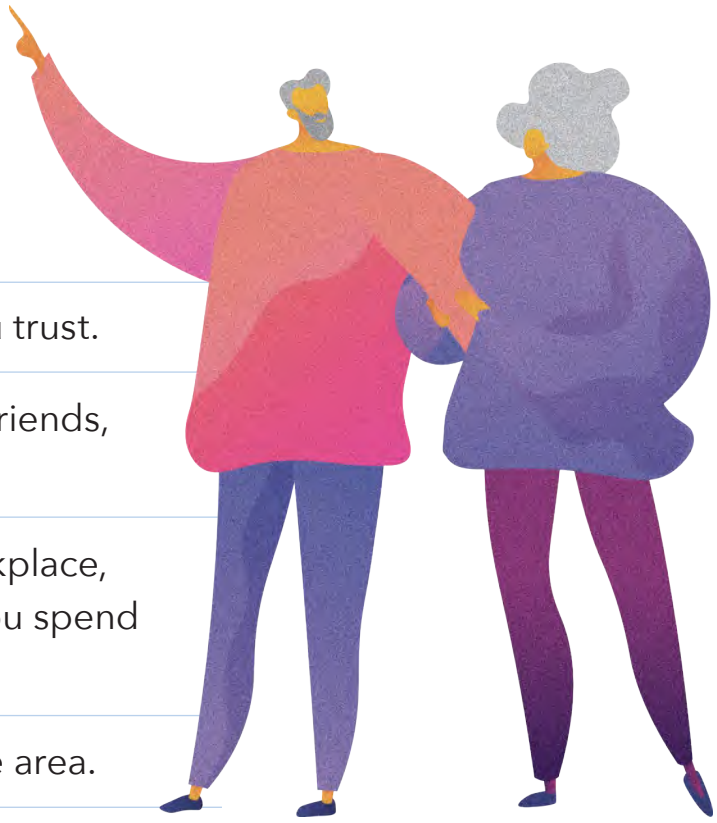
Think about the groups that you already belong to or could join:

- Volunteer groups
- Faith-based groups
- Co-workers
- School-based groups
- Neighborhood groups
- Exercise groups
- Support groups

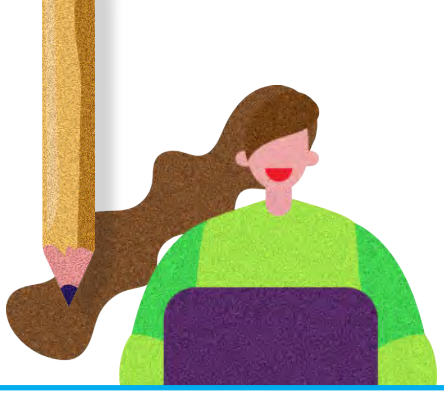
During an emergency or disaster, you and members of your community can come together to help each other.

Build your Support Network

Your support network can include anyone who can provide help during an emergency.



- Include a minimum of three people you trust.
- Consider family members, neighbors, friends, coworkers, and personal attendants.
- Organize networks for your home, workplace, volunteer sites, and any other places you spend a lot of time.
- Include one contact that lives out of the area.
- Network members should know your capabilities and limitations.
- Disasters can be stressful and overwhelming. Include people that are supportive when you are under stress.



CONTACTS

Name/Relationship

Home Phone | Cell Phone

Other Phone | Email

Name/Relationship

Home Phone | Cell Phone

Other Phone | Email

Name/Relationship

Home Phone | Cell Phone

Other Phone | Email

OUT-OF-AREA CONTACTS

Name/Relationship

Home Phone | Cell Phone

Other Phone | Email

Name/Relationship

Home Phone | Cell Phone

Other Phone | Email

Planning with your Support Network

Communicating with Your Network Members

- Share your disaster plan with your support network.
- Ask your network to notify you when an emergency arises.
- Agree on how you will contact each other during an emergency.
- When possible, text instead of calling during an emergency.
- Consider giving a trusted member of your network keys to your home and car.
- Choose an emergency meeting place where you can reunite.
- Show members of your network how to operate your medical equipment and assistive devices.
- If you have a service animal, make sure it knows and trusts the people in your network.

To learn more about the **NET** program or to connect with a **NET** member in your area.

readysd@sdcounty.ca.gov

858-565-3490

COMMUNITY EMERGENCY RESPONSE TEAM

- Join a **Community Emergency Response Team (CERT)**: ReadySanDiego.org/get_involved

Neighborhood Evacuation Team

Connect with your Neighborhood Evacuation Team

The **Neighborhood Evacuation Team (NET)** pairs trained **Community Emergency Response Team** members with individuals who may have difficulty evacuating during an emergency.

Neighborhood Evacuation Team members can help you:

- Prepare and review your evacuation plan
- Identify emergency contacts
- Register for **AlertSanDiego** and learn about other emergency communication tools
- Connect you with other resources to help you better prepare for disasters

Call 2-1-1 to connect to resources

Free, 24 hour, confidential phone service in 200+ languages and a searchable online database. Trusted local, nonprofit organization providing access to 6000+ community, health, and disaster services such as:

- Food Assistance
- Housing & Utilities
- Disaster Relief & Prevention
- Financial & Legal Assistance
- Transportation
- Health, Nutrition & Primary Care
- Military & Veteran Services
- Enrollment Services

TALK

LIVE CHAT

SEARCH

ENROLL

If you have limitations hearing or speaking, a specially-trained **California Relay Service Communications Assistant** can relay telephone conversations for all of your calls. Dial **7-1-1** and ask to be connected with **2-1-1** at **(858) 300-1211**.

Facebook
211sandiego

Twitter
@211sd

Instagram
211sd

Food Assistance

Housing & Utilities

Disaster Relief
& Prevention

Financial &
Legal Assistance

Transportation

Health, Nutrition
& Primary Care

Military & Veteran
Services

Enrollment Services

Make
a Plan
NEWS
PASSPORT

Your Home

Emergency planning starts in your home

- Install smoke and carbon monoxide detectors on every level of your home and test regularly. If you are deaf or have hearing loss, install a system with flashing lights or vibrations. Call **2-1-1** if you need help installing smoke alarms.
- Know the location of utility valves and learn how to disconnect them during an emergency.

Write down the locations of utilities

Gas Valve: *

Water Valve:

Circuit Breaker:

Garage Door Manual Override:

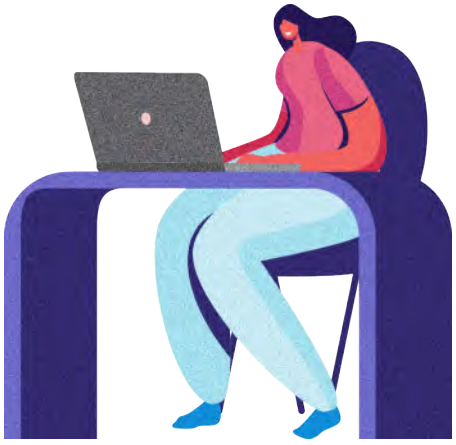
* *If you smell gas, hear a hissing sound, or suspect a leak, turn off the main gas valve, open windows, and leave the area immediately. Do not light candles or strike matches. Only shut off the gas if you suspect a leak, because only the gas company can restore service.*

Insurance Coverage

- Talk with your insurance agent to be sure that you have adequate insurance coverage. Typical homeowner's or renter's insurance may not provide full coverage for all hazards such as flooding, wildfires, or earthquakes.
- Inventory your possessions so you may claim reimbursement in case of loss or damage.

Evacuation Plan

- **Know your evacuation routes.** Find the location of all exits, including doors and windows in each room.
- **Evacuate early.** If you have medical or mobility concerns, or pets or service animals, prepare to leave when an Evacuation Warning is issued instead of waiting for a mandatory Evacuation Order.
- **Plan for unique needs.** Consider the ability of you and your loved ones to evacuate, use stairs, and access transportation. Arrange help from your support network or call **2-1-1** for assistance before an emergency.
- **Meeting places.** Know where you will meet your friends and family after an emergency. Pick two places to meet, one right outside your home and meeting place outside of your neighborhood.



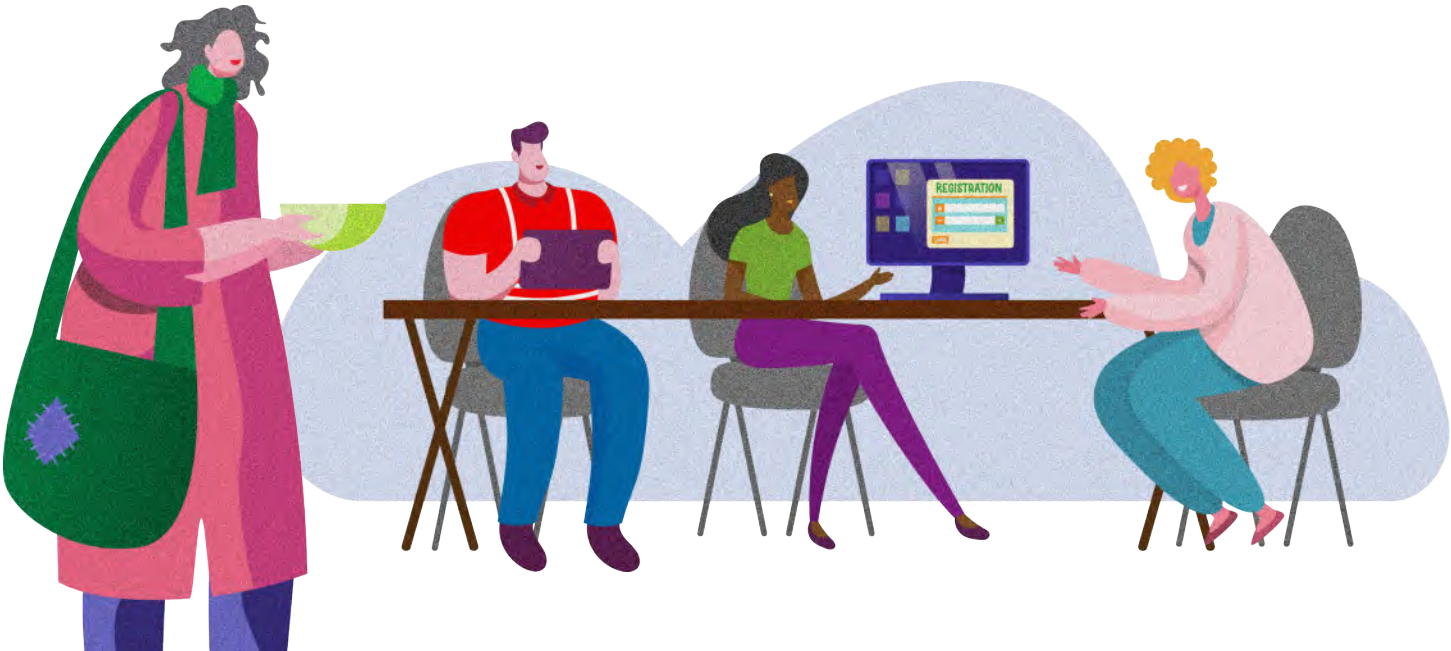
Meeting place close to home:

Meeting place outside of your neighborhood:

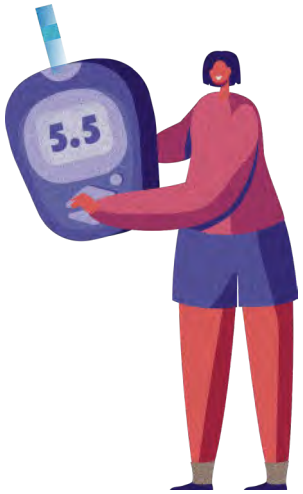
Emergency Shelters

If an emergency requires you to evacuate, consider going to a hotel, a friend or relative's home, or a shelter. Emergency shelters may be set up in schools, community buildings, and places of worship.

- Shelters provide food, water, and basic supplies.
- Bring items you need, including medical equipment.
- Shelters will be accessible and can meet needs of people with different abilities. Service animals are allowed.
- Shelters follow public health safety recommendations, such as social distancing during the COVID-19 pandemic.
- Call **2-1-1** or visit **AlertSD.org** to find a shelter near you.

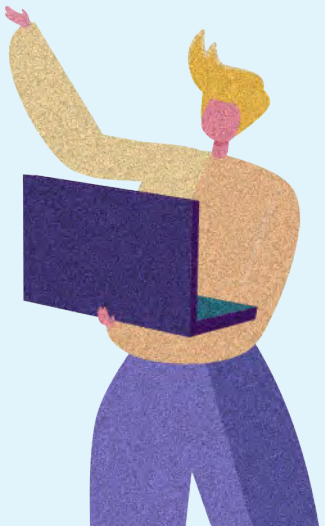


Planning for Your Medical Equipment



- Attach instruction cards on how to use and move each item in case of evacuation.
- Identify critical supplies (such as catheters, colostomy supplies, etc.) that must be taken.
- If you rely on electric medical equipment, ask your medical supply company about a back-up power source, and ask your utility company about programs you may be eligible for.
- If you depend on dialysis or other life-sustaining treatment, know the location of more than one treatment facility.

- To request a free **Vial of LIFE** kit, please call: **1-800-339-4661**
- Fill out the medical information form included on the following pages or for a version with large print and different languages visit **readysandiego.org/make-a-plan/**
- Make copies and store in your wallet or purse. Share a copy with members of your support network.



Vial of LIFE

The **Vial of LIFE** program has saved countless lives by providing emergency responders with life-saving medical information. Store the **Vial of LIFE** envelope on your refrigerator.

Each Vial of LIFE kit includes:

- **A medical information form.** List your medical conditions, medications, emergency contacts, insurance, and hospital preference.
- **A vinyl envelope and magnet.** Place the completed medical form in the envelope and store it on the outside of your refrigerator. Add a copy of your power of attorney for health care and health care directive.
- **A Vial of LIFE sticker.** Place on the door jamb of your front door or a front window. This informs emergency responders that you completed a **Vial of LIFE**.

VIAL OF LIFE

LIVE WELL SAN DIEGO
LIVEWELLSD.ORG

Information & Assistance
1-800-339-4661
Updated On
____/____/____

Name _____

☐ Blind ☐ Deaf ☐ Alzheimer's Disease or Related Dementia

Address _____ City _____ Zip _____

Phone # _____ Male ☐ Female ☐ Date of Birth _____

Social Security Number (last four digits) _____

Medicare Number (last four digits) _____

Other Insurance _____ Policy Number _____

Do you have an Advance Health Care Directive? Yes ☐ No ☐

If yes, location _____ Agent _____ Phone # _____

Do you have a "Do Not Resuscitate Order" Yes ☐ No ☐

Registered with Sheriff's "Take Me Home"? Yes ☐ No ☐

Emergency Contacts

Name _____ Relationship _____ Phone # and E-mail _____

Name _____ Relationship _____ Phone # and E-mail _____

Caregiver _____ Phone # and E-mail _____

Clergy _____ Phone # and E-mail _____

Pet's Information Name & Type _____

Veterinarian _____ Phone # _____

Medical Information

Primary Doctor _____ Phone # _____

Secondary Doctor _____ Phone # _____

Hospital _____ Phone # _____

Height _____ Weight _____ Blood Type _____

Normal Bood Pressure _____

Allergies to drugs or foods _____

Please list any medical conditions that apply (for example: cardiac, diabetes, hypertension, stroke) _____

Surgeries (type and date)

Do you?

Wear dentures?	Yes ☐	No ☐	Wear glasses?	Yes ☐	No ☐
Wear contacts?	Yes ☐	No ☐	Use Oxygen?	Yes ☐	No ☐
Wear hearing aids?	Yes ☐	No ☐	Wheelchair?	Yes ☐	No ☐

Other Important Emergency Information

Immunizations

Where do you keep your medications?

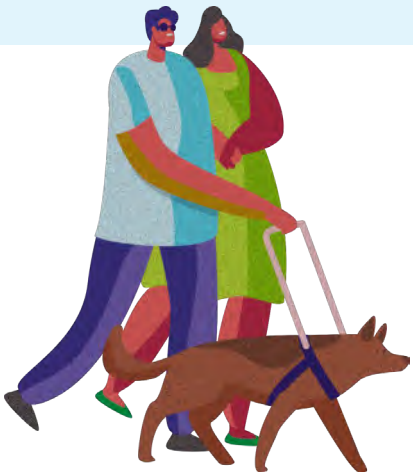
Medications
(Prescription, Over-the-counter Drugs, Vitamins, Herbal Supplelments)

Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose
Name	Dose-Frequency	Purpose

Please record all information in a manner easy to read by emergency medical personnel.

Planning for Different Circumstances

Disasters are challenging for everyone. We benefit from understanding our own needs and the unique needs of our friends, neighbors, and family members. Disaster preparedness is an individual and a community effort. Review the tips below to help prepare for a variety of circumstances.



People with Pets or Service Animals

- Get your pet an ID tag. Ask for a free or discounted microchip.
- Pack food, water, medicine, and proof of immunization.
- Dial **2-1-1** for local animal service resources.

Older Adults

- Clear your home of clutter to prevent falls.
- If you receive home care, ask about their plans for emergencies.
- If you live in a retirement community, learn about their emergency plan.
- Consider getting a medical alert system so you can call for help.

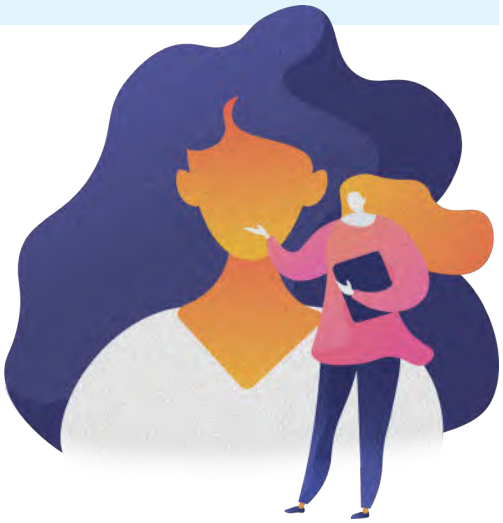
Rural Communities

- Share alerts through phone trees and ham radio networks.
- Meet with neighbors to discuss collaboration.
- Plan for evacuating large animals.

People with Developmental Disabilities

- Practice your disaster plan with your support network to help you feel safe.
- Ask emergency responders to repeat directions if you don't understand.
- Practice how you might quickly describe your disability to a rescuer.

People with Speech/Communication Disabilities



- Carry an instruction card on how to communicate with you.
- Carry communication devices, phrase cards, or picture boards, like on page 43 and 44.
- Know how to replace your assistive device if damaged.

People with Mobility or Other Physical Disabilities

- Identify paratransit or accessible transportation options.
- Plan for damaged ramps, rails, or elevators.
- Bring an extra wheelchair battery, tire repair kit, and seat cushion.

People who are Blind or who have Low Vision

- Mark emergency supplies with Braille or large print.
- Keep a Braille or deaf-blind communication device in your emergency supply kit.
- Keep Braille/text communication cards for two-way communication.

People with Dementia

- Move to a quieter place to avoid agitation. Limit stimulation.
- Redirect the person's attention if he or she becomes upset.
- Find outlets such as taking a walk or engaging in simple tasks.
- Avoid elaborate explanations. Use concrete terms.

Pregnant women and families with infants

- Find out where to get prenatal or well-baby checkups if your doctor's office closes.
- Include baby care supplies in your **Go Kit**.
- Tell shelter staff if you have a baby or have issues with your pregnancy.

Transportation Challenged

- Arrange for rides with neighbors if you must evacuate.
- Call **2-1-1** to identify transportation service providers in your area.
- Ask if public transit or ride share services may be free after a disaster.

People who speak Limited English

- Find trusted community sources to talk to about safety options.
- Call **2-1-1** for information in over 200 languages.
- Ask a bilingual person to share safety steps with you.
- Know which of your media sources provide emergency alerts.

New Californians

- Learn emergency system basics, like dialing **2-1-1** for non-emergencies and **9-1-1** for emergencies.
- Ask your community how disasters here are different.
- Find trusted sources in emergencies beyond the government.

Planning for Different Emergencies

In this section you will find tips on what to do in different disaster situations.

Fires

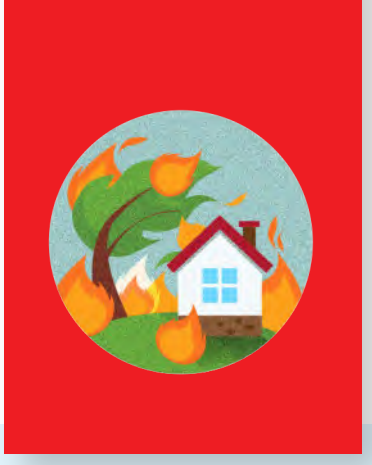
Power Outages

Tsunamis

Floods

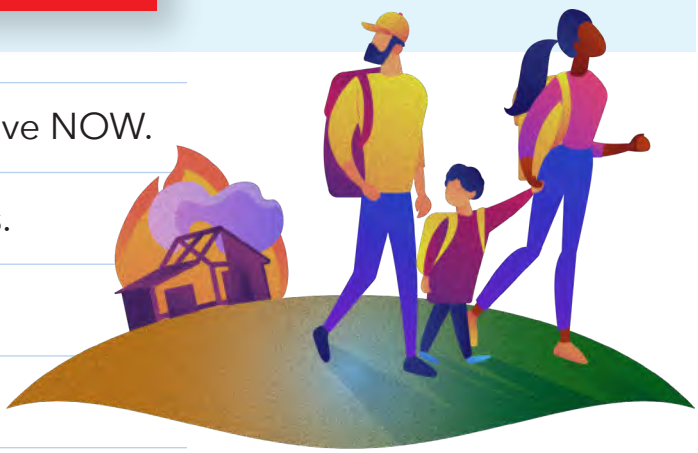
Heat Waves

Earthquakes



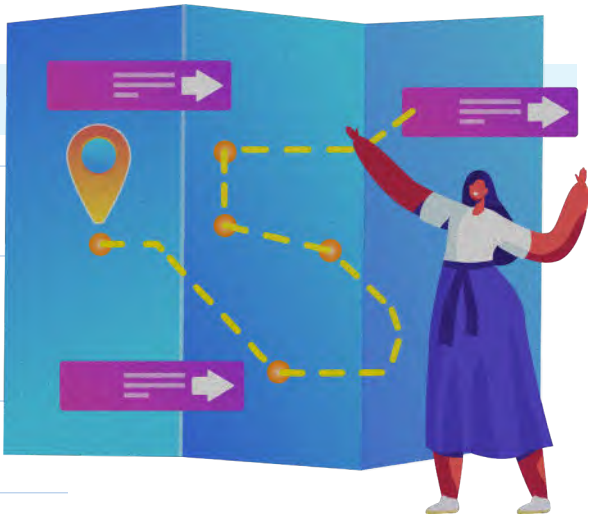
Fires

Before:



- Evacuation warning means prepare to leave NOW.
- Plan for no electricity. Do not use candles.
- Get a bandana or mask to protect lungs.
- Plan escape routes from each room.
- Clean gutters. Remove brush near home. Call **2-1-1** to see if local Fire Safe Councils can assist.

During:



- Evacuation order means you must leave NOW.
- Don't "wait and see." Leave immediately when ordered to evacuate.
- When a door feels hot, do not open it.
- If trapped, close doors and windows to keep smoke out.
- If your clothes are on fire, Stop, Drop and Roll.
- Leave smoky areas quickly. Stay low to the ground as smoke rises.

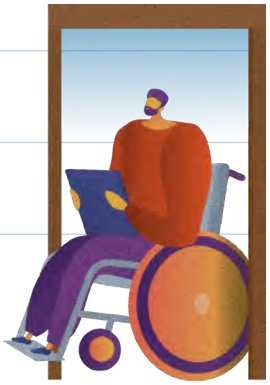
Earthquakes

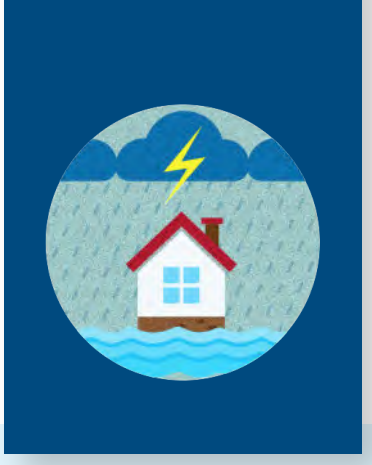
Before:

- Secure furniture to walls.
- Identify safe spots in each room, like sturdy tables and desks.
- Identify dangerous spots near windows, mirrors, and hanging objects.
- Learn how to shut off gas, water, and electricity.

During:

- Don't rush outside. Get under a desk or table.
- If outside, move away from buildings, trees, streetlights, or powerlines.
- If driving, pull over and stop away from buildings and trees.
- Using a wheelchair: Go into a doorway, lock wheels, cover head and neck.
- Be ready for aftershocks.
- Watch for tsunamis on the coast.





Flooding

Before:

- Keep storm pipes and drains clear.
- Move valuables to higher floors.
- Monitor TV and radio for flood watches or warnings.
- Learn best escape routes to higher ground.
- Use sandbags to divert water.

During:

- Don't "wait and see." Leave immediately when ordered to evacuate.
- Never walk, swim, or drive through moving water. Remember, Turn Around, Don't Drown.
- Watch for mudslides.
- Avoid downed powerlines.
- If instructed, turn off water and electricity and unplug appliances.

Power Outages

Before:

- Prepare flashlights – no candles.
- Keep an emergency backup phone charger.
- Buy food that won't spoil and doesn't need cooking.
- Keep car gas tank at least half full.

During:

- Unplug appliances/electronics to prevent damage.
- Leave one light plugged in.
- Keep your refrigerator and freezer door closed.
- Do not use your gas stove for heat.
- Use generators, camp stoves, and grills outdoors.

Be prepared for public safety power shutoff

San Diego Gas & Electric® (SDG&E®) sometimes turns power off in fire-prone areas during adverse weather conditions as a safety precaution. This is known as a **Public Safety Power Shutoff (PSPS).** While these events are more likely to occur in high fire-risk areas, all San Diegans could be affected and should be prepared. **SDG&E** aims to send early notifications via phone calls, text alerts, emails and other means before turning off power.

Stay informed during PSPS

Update Your Contact Information and/or Sign Up for Outage Notifications

Visit **sdge.com/notifications** or call **1-800-411-7343** to update your contact information and/or sign up to receive voice, text and/or email notifications, even if you don't have an **SDG&E** account.

Community Resource Centers

SDG&E may open **Community Resource Centers** near affected communities during a PSPS event. Visitors can receive preparedness materials, ice, water, snacks,

Follow SDG&E on social media and the NewsCenter for updates during a PSPS

Facebook: facebook.com/SanDiegoGasandElectric

Twitter: twitter.com/SDGE

Instagram: instagram.com/sdge

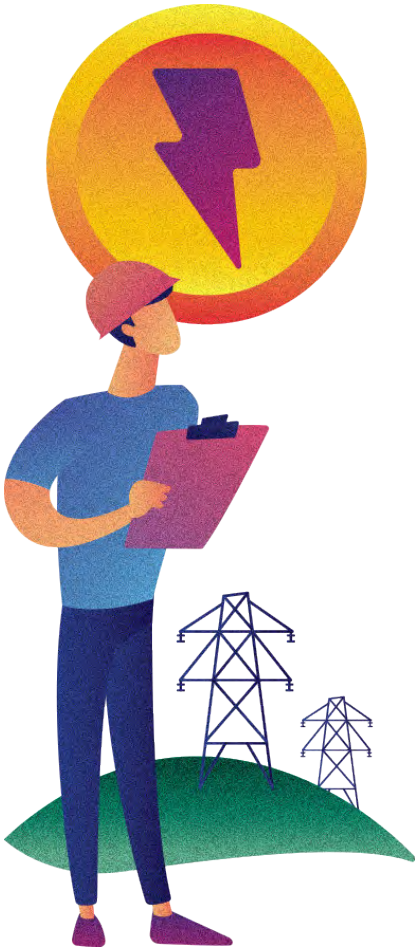
Nextdoor: San Diego Gas & Electric

NewsCenter: sdgenews.com

charging for mobile devices, small solar powered batteries, radios and up-to-date information about the shutoff event. Public health protocols may also be in place including social distancing measures, routine deep cleaning and drive through service. Learn more at **sdge.com/resource-centers**.

Event Duration/Backup Generation

A PSPS event will require power to remain out for as long as a threat to public safety and to the electric system continues. Before power can be restored, crews must inspect power lines and equipment and make any needed repairs.



You are encouraged to explore safe, alternative power sources to operate your critical equipment during PSPS events. For additional information on choosing a generator or an alternative back-up system, please consult a licensed electrician and **SDG&E**. Learn more at **sdge.com/generator**.

Medical Baseline Allowance program

If you or someone in your household has a qualifying medical condition or needs certain in-home medical equipment, you may be eligible for more electricity or natural gas at a lower rate. The person with the qualifying medical condition must live at the address on the application, and the medical equipment must be for home-use only. This program can also help by providing extra notifications in advance of a PSPS event. Learn more at **sdge.com/medicalbaseline**.

CARE and FERA programs

CARE and **FERA** are two **SDG&E** programs that can provide you with a monthly discount on your bill.

- **California Alternate Rates for Energy (CARE)**
  30% or more monthly bill discount.
- **Family Electric Rate Assistance (FERA)**
  18% monthly bill discount. **FERA** is only open to households with three or more people.

Learn more about qualifications, income guidelines, and apply to these programs at **sdge.com/CARE**.

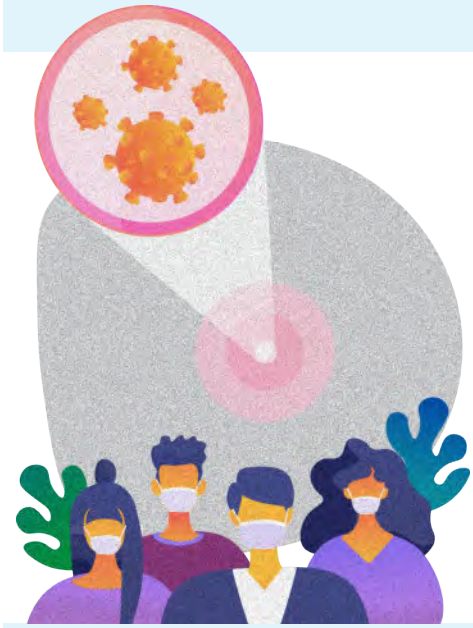
Energy Savings Assistance program

Energy-efficient home improvements can make your home more comfortable, save you money now, and for years to come. You may be eligible to receive low- or no-cost products and installation. Learn more and apply at **sdge.com/ESA**.

Access & Functional Needs (AFN) Resources

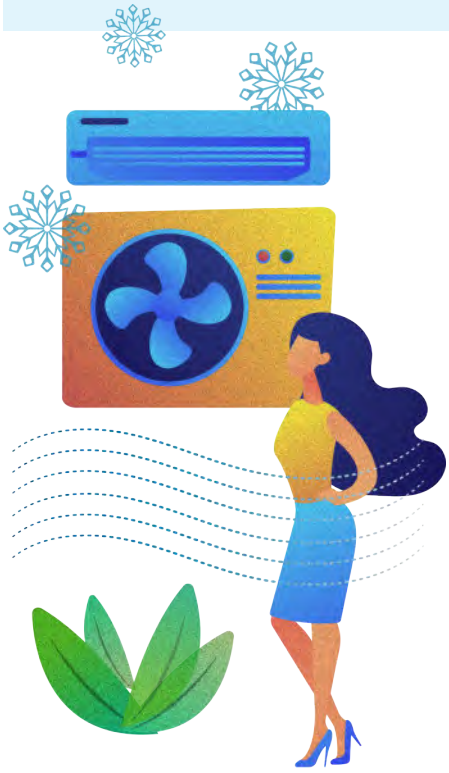
SDG&E and **2-1-1** San Diego partner to support individuals with Access and Functional Needs. Information and services are provided to increase preparedness and self-resilience during PSPS events and emergencies. Services may include assisted transportation, backup power, preparedness items, food security, temporary shelter and welfare checks. Learn more at **211SanDiego.org** or dial **2-1-1**.

Tips for other Emergencies



Pandemics and Public Health Emergencies

- Store a two-week supply of water and food.
- Keep prescription drugs on hand.
- Wash hands frequently.
- Cover coughs or sneezes.
- Stay home if you are sick.



Extreme Heat

- Seek air conditioning or a fan.
- Go to libraries, shopping malls, or call **2-1-1** to find a designated cool zone or visit **coolzones.org**.
- Take a cool bath.
- Drink cool, non-alcoholic, non-caffeinated beverages.
- If you feel ill, call a doctor or **9-1-1** immediately.

Extreme Cold

- Stay indoors.
- Wear warm, comfortable, dry clothing.
- Watch for frostbite, hypothermia, or overexertion.
- Do not use a charcoal or gas grill for heat inside your home.

Tsunami

- Move to higher ground, inland and/or to a higher floor.
- Listen to your radio or TV for emergency instructions.
- Leave immediately if ordered to do so.
- Do not go sightseeing – stay away from the coast.
- Do not return to the hazard zone until local safety officials give the "all clear."

Terrorism

- Report suspicious activities to authorities.
- Do not accept packages from strangers.
- Follow instructions from emergency officials.
- Be ready for instructions to shelter in place or evacuate.
- Remain calm, patient, and contact someone in your personal support network.

For more information on responding to specific emergencies, visit the County's preparedness website: ReadySanDiego.org

Evacuation Warning: The alerting of people in an affected area of potential threat to life and property. An Evacuation Warning considers the probability that an area will be affected in the near future and prepares people for a potential Evacuation Order. Vulnerable populations such as people with disabilities, with access or functional needs, and/or large animals should leave now.

Evacuation Order: Requires immediate movement out of an affected area due to an imminent threat to life.

Shelter in Place: Go inside. Shut and lock doors and windows. Prepare to self-sustain until further notice and/or contacted by emergency officials.

Gather Supplies
MEDICATION LIST
ID CARD
PASSPORT

Go Kit

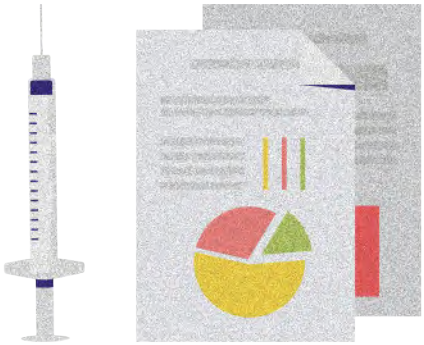
Most disasters are unexpected and happen fast. You might not have time to shop or pack. Pack a "Go Kit" for when you must leave in a hurry.

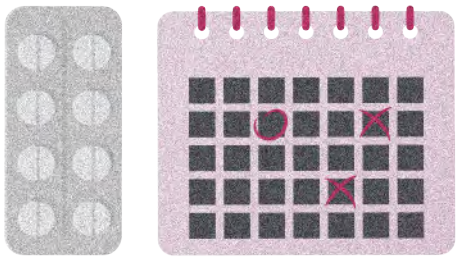
Check off items you have and add those you will need:

- ☐ Bottled water and nonperishable food, such as granola bars
- ☐ Copies and/or a USB flash drive of your important documents in a waterproof container (identification, insurance, photos of family and pets for identification)
- ☐ List of the medications you take, why you take them, and their dosages
- ☐ If any medication needs to be refrigerated, keep an extra ice pack in the freezer
- ☐ Contact information for your household and members of your support network
- ☐ Flashlight, hand-crank or battery-operated AM/FM radio, and extra batteries
- ☐ Cash, in small bills
- ☐ Notepad and pen
- ☐ Antibacterial wipes and hand sanitizer

- ☐ Face mask or bandana
- ☐ Back-up medical equipment (e.g., glasses, batteries) and chargers
- ☐ Aerosol tire repair kits and/or tire inflator to repair flat wheelchair or scooter tires
- ☐ Supplies for your service animal or pet (food, extra water, bowl, leash, cleaning items, vaccination records, and medications)
- ☐ Portable cell phone chargers
- ☐ This guide

Other items you will need:





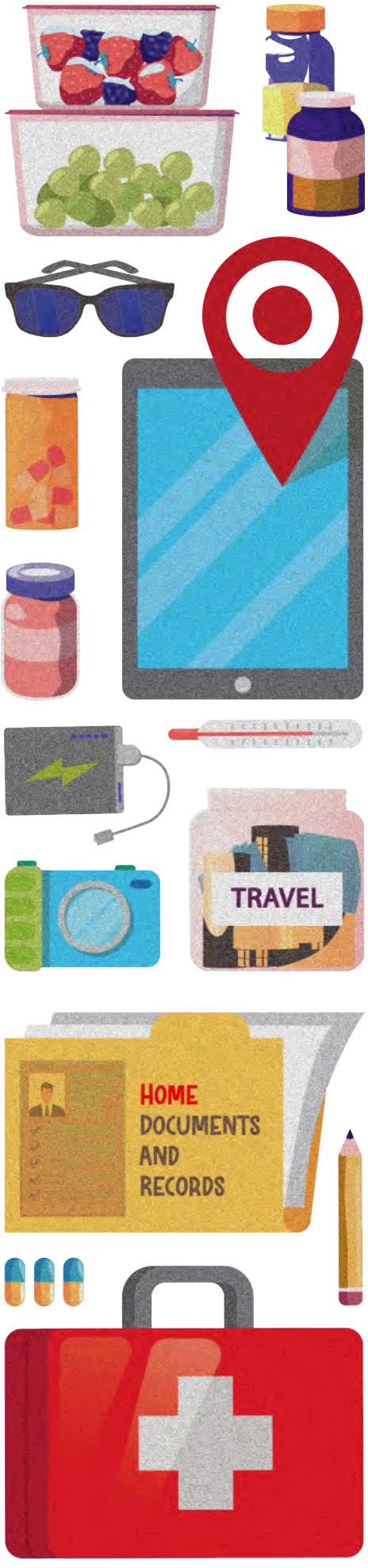
Home Kit

In some emergencies, you may be safer staying at home. You may not have water to drink or be able to flush the toilet. You may not have electricity to keep your food cold, turn on the light, or charge your phone. Prepare a "Home Kit" to survive for at least three days without water or electricity.

Check off items you have and add those you will need:

- ☐ One gallon of drinking water, per person, per day
- ☐ Food that won't spoil, like ready-to-eat canned foods, and a manual can opener
- ☐ First-aid kit
- ☐ Medications, including a list of the medications you take, why you take them, and their dosages
- ☐ Flashlight or battery-powered lantern, battery-operated AM/FM radio, and extra batteries, or wind-up radios that do not require batteries
- ☐ Whistle or bell
- ☐ Back-up medical equipment, if possible (e.g., oxygen, medication, scooter battery, hearing aids, mobility aids, glasses, facemasks, gloves)
- ☐ Style and serial numbers of medical devices (such as pacemakers) and usage instructions

Other personal items:



TIP: Your hot water heater is a source of water. Turn off the power and let the water cool. To get water, place a container underneath and open the drain valve on the bottom of the tank.

Communication Tools

I need a translator

Necesito un traductor

Tôi cần một người phiên dịch

انا بحاجة الى الترجمة

Kailangan ko ng tagasalin

我需要翻

During an emergency, your normal way of communicating may be impacted by changes in environment, noise, service disruptions, or confusion.

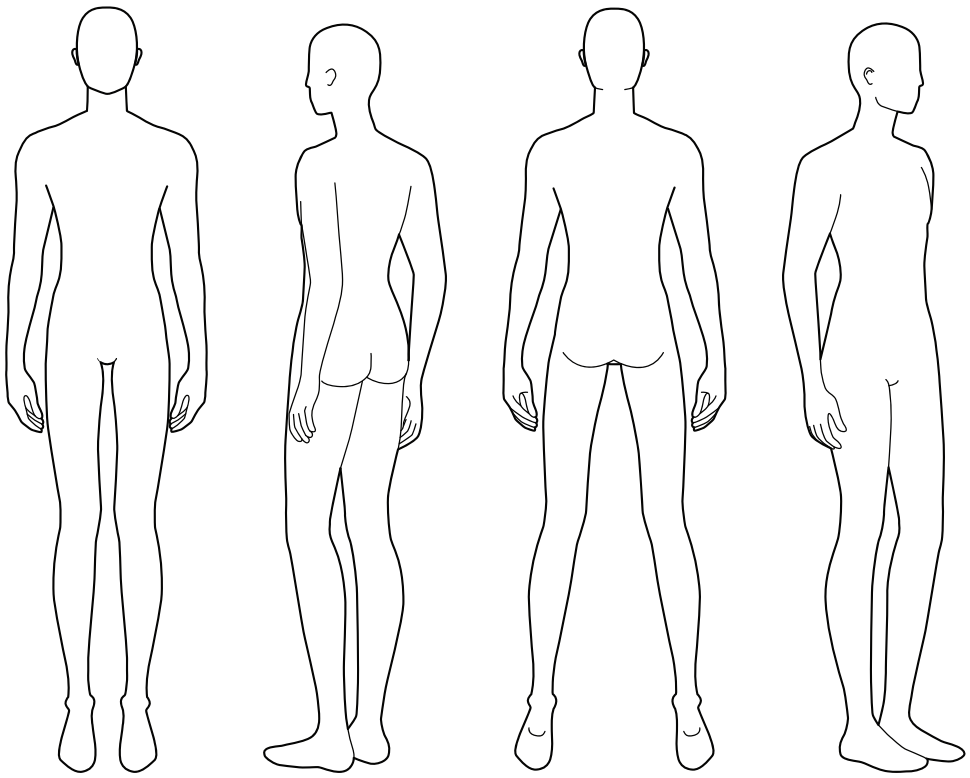
If you are blind or have low vision, practice explaining to others how to guide you.

If you are Deaf or hard of hearing, find alternate ways to communicate your needs, such as through gestures, note cards, or text messages. Keep communication cards in your emergency supply kits.

A	B	C	D	E	F	G	H	I	J
K	L	M	N	Ñ	O	P	Q	R	S
T	U	Ü	V	W	X	Y	Z		
1	2	3	4	5	6	7	8	9	0
.	'	,	?	!	+	-	SPACE		

PAIN CHART | LEVEL OF PAIN

0 1 2 3 4 5 6 7 8 9 10



Dull

Sharp

Radiating

I want pain medicine

Shot

One pill

Two pills

Itches

Stings

Hurts/aches

Burns

Can't move/numb

How am I doing?

What day/time?

What is happening?

When is tube coming out?

IV

Remove restraints

Excercise

Massage

leave me alone

Don't leave

Come back later

Prayer

Bathroom

Cool cloth

Pillow/blanket

Glasses/Socks

Wash face

Shampoo/Bath

Comb/Brush

Teeth brushed

I AM

Short of breath

In pain

Choking

Feeling sick

Hungry/Thirsty

Cold/Hot

Tired

Dizzy

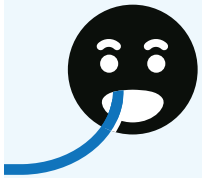
Angry

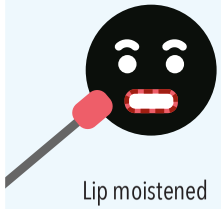
Afraid

Frustrated

Sad

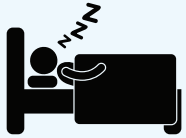
I WANT


To be suctioned


Lip moistened

Water/Ice

To be comforted


To sleep

TV/Video/DVD

Call light/Remote

It quiet

Lights Off/On

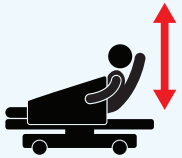
To go home

To sit up

To lie down

To turn left

To turn right

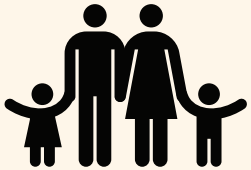

Head of bed up/down

Get out of bed

I WANT TO SEE

Doctor

Nurse


Family

Chaplain

Pen/Paper

Thank you

I Love you ❤

For infection control purposes, please do not reuse this board between patients.

SD County Emergency
ReadySanDiego
Plan, Prepare
Emergency
Disaster Info, Maps, Shelters
Recovery
Resources, Assi
Disaster Info | Refreshed:
PT
Excessive Heat Warning Is
8/14/20,12:00 p.m. throug
Fri Aug 14, 2020 12:00 PM
Excessive Heat Warning
ued Today,
7/30/20,11:00 a.m. through 8/02/20, 9:00 p.m.
Thu Jul 30, 2020 11
M PDT
ASL/Audio
Excessive H
ssued Today,
Stay
Informed
SanDiegoCounty.gov
211

Stay Informed

ReadySanDiego.org
Prepare. Plan. Stay Informed.

AlertSanDiego
Get signed up. Get notified.

ACCESSIBLE AlertSanDiego
Get signed up. Get notified.

San Diego County

Twitter.com/ReadySanDiego

Facebook.com/ReadySanDiego

- County's preparedness website: **ReadySanDiego.org**
- Register your cell phone number, VoIP phone number and email at **ReadySanDiego.org/AlertSanDiego.** This is the County's emergency mass notification system used by first responders to send evacuation instructions and other disaster information through calls, text, and email.
- Download the free **SD Emergency App**, available in English and Spanish for iOS and Android mobile devices. Visit **ReadySanDiego.org/SDEmergencyApp**.
- During an emergency, visit **AlertSD.org** or the **SD Emergency App** for incident updates, shelter locations, evacuation areas, hazard perimeters, official social media feeds, and more.
- The main **Emergency Alert System** radio stations for San Diego County are ***KOGO AM 600*** and ***KLSD AM 1360***.
- For recovery information, visit **RecoverSD.org**.
- For non-emergency questions and updated disaster information, call **2-1-1**.
- If you are experiencing a life-threatening emergency, call **9-1-1**.

Getting Support

Disasters can be stressful and overwhelming. You may feel irritable, sad, or angry. You may experience headaches or not be able to sleep.

Talk to someone about your feelings, even though it might be difficult.

Look to your support network or seek help from a professional.

San Diego Access and Crisis Line

If you need support, experienced counselors are available 7 days a week/24 hours a day to provide you with a referral to meet your needs and help determine eligibility for mental health or substance use services.

- Call **(888) 724-7240** or visit our web site: **www.sandiegocounty.gov/hhsa/programs/bhs**

National Alliance on Mental Health (NAMI) San Diego

You can connect with a trained crisis counselor to receive free crisis support 24 hours a day.

- Text **NAMI** to **741-741** or call **(888) 523-5933**

National Suicide Prevention Lifeline and Veterans Crisis Line

We can all help prevent suicide. The Lifeline provides 24/7, free and confidential support for people in distress, prevention and crisis resources for you or your loved ones, and best practices for professionals.

- Call **(800) 273-8255** or call **9-8-8**

County of San Diego
www.sandiegocounty.gov
(800) 694-3900

Office of Emergency Services
www.sandiegocounty.gov/oes
(858) 565-3490

Listos California
www.listoscalifornia.org
(916) 845-8510

Thank you to the **County of San Diego Health and Human Services Agency**, Aging & Independence Services for their contributions to this guide. For aging resources, visit www.aging.sandiegocounty.gov

This document was prepared under a grant from Listos California, a program anchored at the Governor's Office of Emergency Services. Points of view or opinions expressed in this document are those of the authors and do not necessarily represent the official position or policies of Listos California or the Governor's Office of Emergency Services.

WILDFIRE IS COMING.
ARE YOU READY?

WILDFIRE ACTION PLAN

BE PREPARED

Wildfires are a fact of life in California. It's not a question of if they will occur, but when. Catastrophic wildfires are increasing in our state, encroaching further into populated areas. It is extremely important that Californians be prepared when wildfire strikes.

By preparing your home and property for wildfire, and knowing what to do if evacuation is necessary, you can dramatically increase your safety and the survivability of your home. It is your responsibility to prepare yourself, your family, and your home for when wildfire strikes.

This guide illustrates the importance of creating and maintaining Defensible Space and hardening your home by retrofitting it with ignition-resistant or noncombustible materials to protect against the threat of flying embers, direct flame contact, and radiant heat exposure. It also provides information about the preparations and precautions to make in order to evacuate early and safely.

If you need more information about preparing for wildfire or any other disaster, contact your nearest fire station or visit us at ReadyforWildfire.org.

These counties receive funding from the state to provide fire protection and prevention services to State Responsibility Area lands within their boundaries.

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GET
REA

There are three ways your home can be exposed to wildfire: through flying embers, direct flame contact, and radiant heat exposure.

Embers are the main cause of homes igniting during a wildfire. Wind can blow embers up to a mile ahead of a wildfire. These flying embers can directly ignite materials on, or attached to, a home. They can also ignite vegetation or combustible materials near the home, resulting in a subsequent fire that spreads to the home through direct flame contact or radiant heat.

Direct flame contact to the home can be the result of nearby vegetation or combustible materials catching on fire due to embers, or from the wildfire burning unchecked directly to the building.

Radiant heat exposure occurs when there are materials, vegetation, or other combustibles, that are burning close to the home—for a long enough period of time—and generate enough heat to directly ignite a combustible component of the home.

Getting ready for wildfire begins with two very important efforts: **Home Hardening** and **Defensible Space.** Hardening your home is retrofitting it with fire-resistant materials. Defensible Space is creating and maintaining a buffer between buildings and vegetation to slow wildfire. While not a guarantee that your home will survive a wildfire, these efforts give it the best chance.

HARDENING YOUR HOME

Now is the time to retrofit your home—before a wildfire strikes. California Building Code Chapter 7A requires specific construction materials and methods for the building of new homes in wildfire-prone areas. These same materials and methods are also the minimum standards recommended when retrofitting a home. Retrofitting prepares your home for the exposure it will experience during a wildfire. Here's what you can do to harden your home:

ROOF

Your roof is the most vulnerable part of your home. Homes with wood shake or shingle roofs are at high risk of being destroyed in a wildfire.

- Replace wood shake or shingle roofs with a Class A fire-rated roof, using materials such as composition, metal, or tile.
- Inspect your roof and maintain it by removing debris and plugging gaps.

VENTS

Vents on homes create openings for flying embers.

- Avoid storing combustible items near attic or crawl space vents.
- Inspect vents to ensure they are in good condition with no tears or large openings.
- Cover all vent openings with 1/16 inch to 1/8 inch corrosion-resistant metal mesh screen.
- Consider replacing screened vents with ember and flame-resistant vents.

EAVES AND SOFFITS

Eaves and soffits are a point of entry for flying embers from fires up to a mile away or flames from nearby vegetation or other material burning.

- Plug or caulk gaps greater than 1/8 inch in size with durable caulk.
- Enclose eaves with ignition-resistant or noncombustible materials if possible.

WINDOWS

Heat from a wildfire can cause windows to break before the home ignites, allowing embers to enter and start fires inside. Single-paned and large windows are particularly at risk.

- Install dual or multi-paned windows with at least one pane being tempered glass.
- Consider limiting the size and number of windows that face large areas of vegetation.
- Install metal mesh screens on openable windows to increase ember resistance and reduce radiant heat exposure.

DECKS

Surfaces within 10 feet of the building should be built with ignition-resistant, noncombustible, or other approved materials.

- Remove all combustible items from underneath deck.
- Limit combustible items on top of deck. Bring these items inside the home or move them away from the home when wildfire threatens.

EXTERIOR WALLS

Wood products such as boards, panels, or shingles are common siding materials. However, they are combustible and not good choices for wildfire prone areas.

- Use noncombustible materials such as stucco, metal, or fiber cement, or use ignition-resistant siding.
- Be sure to extend materials from the foundation to the roof.
- Plug or caulk gaps and joints with openings greater than 1/8 inch.

RAIN GUTTERS

Screen or enclose rain gutters with noncombustible corrosion-resistant materials to prevent accumulation of plant debris.

PATIO COVERS

Consider using noncombustible material within eight feet of buildings.

CHIMNEYS

Cover chimney or stovepipe outlet with a noncombustible corrosion-resistant metal mesh screen with openings between 3/8 inch and 1/2 inch in size. Close the fireplace flue during fire season when the fireplace is not in use.

FENCES

Construct fences using noncombustible materials within eight feet of your home.

GARAGES

Install weather stripping to eliminate gaps around garage doors. Add a battery back-up to automatic garage door openers so the garage can easily be opened if the power is out.

DRIVEWAYS

Ensure that access to your home complies with local fire codes.

WATER SUPPLY

Have multiple garden hoses long enough to reach all areas of your house.

ADDITIONAL HOME FIRE SAFETY RESOURCES

HOME HARDENING INFORMATION GUIDE

ReadyforWildfire.org

CALIFORNIA BUILDING CODE CHAPTER 7A

codes.iccsafe.org

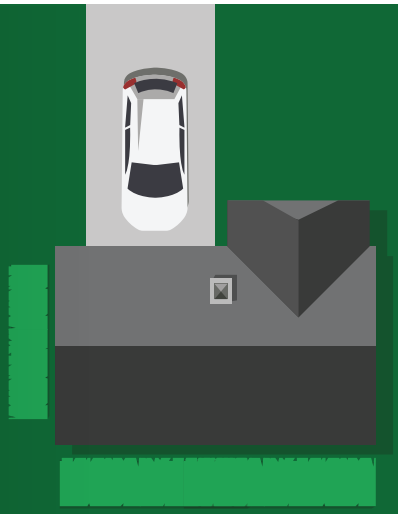
WILDFIRE HOME RETROFIT GUIDE

ReadyforWildfire.org

BUILDING MATERIALS LISTING

osfm.fire.ca.gov

DEFENSIBLE SPACE



Creating and maintaining Defensible Space is essential to reducing the impact of wildfire on your home and property. Defensible Space is the buffer created between a building on your property and the plants, brush, trees, or other combustible items in the near vicinity. This buffer helps to keep wildfire away from your home by reducing the fire's intensity and slowing or halting the spread of wildfire. The less there is to burn near your home, the less exposure your home will have to wildfire. Creating this space also provides protection for the firefighters defending your home.

CREATING AND MAINTAINING YOUR DEFENSIBLE SPACE

Within the 100-foot perimeter of a home, there is a need for more intense reduction of wildfire fuels. Start at the home and work your way out 100 feet or to your property line, whichever is closer.

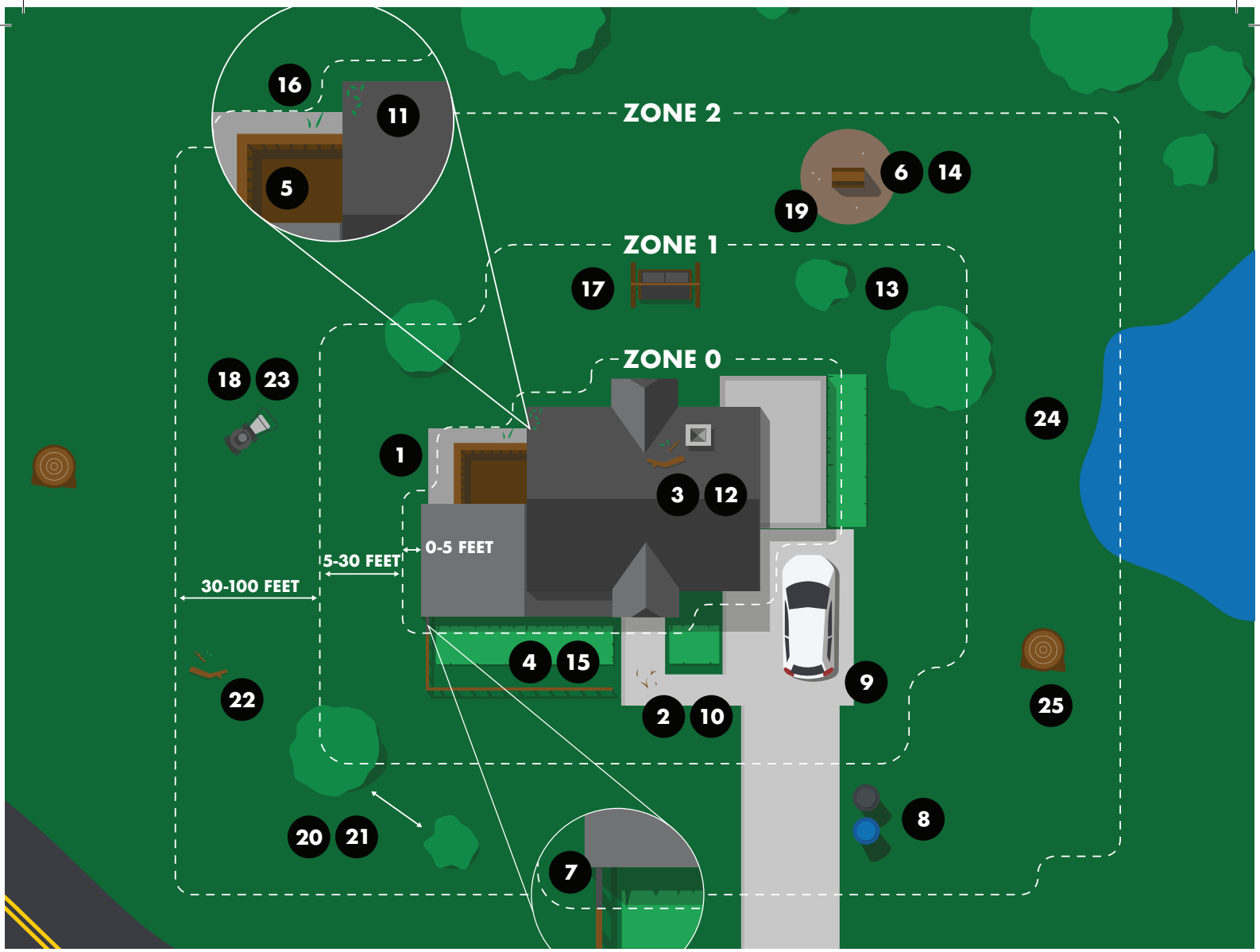
KNOW THE LAW - BE FIRE SMART

One hundred feet of Defensible Space is required under the Public Resources Code (PRC) 4291. Zones 1 and 2 currently make up the 100 feet of Defensible Space required by law. Assembly Bill 3074, passed into law in 2020, requires an ignition-resistant Zone 0 for Defensible Space.

Many local government agencies have ordinances for Defensible Space. These local ordinances will often be more stringent than the state of California's minimum requirement in PRC 4291. Check with your local fire department or fire protection district for any additional Defensible Space requirements. **fire.ca.gov/dspace**

Zone 0 extends from zero to five feet from buildings, structures, decks, etc.

1. Use hardscape like gravel, pavers, concrete, and other noncombustible mulch materials. No combustible bark or mulch.
2. Remove all dead and dying weeds, grass, branches, and vegetative debris. Check your roofs, gutters, decks, porches, stairways, etc.
3. Remove all branches within 10 feet of any chimney or stovepipe outlet.
4. Limit plants in this area to low growing, nonwoody, properly watered, and maintained plants.
5. Limit combustible items (outdoor furniture, planters, etc.) on top of decks.
6. Relocate firewood and lumber to Zone 2.
7. Replace within Zone 0 combustible fencing, gates, and arbors attached to the home with noncombustible alternatives.



8. Relocate garbage and recycling containers outside this zone.
9. Relocate boats, RVs, vehicles, and other combustible items outside this zone.

Zone 1 extends five to 30 feet from buildings, decks, and other structures.

10. Remove all dead plants, grass, and weeds (vegetation).
11. Remove dead or dry leaves and pine needles from your yard, roof, and rain gutters.
12. Remove branches that hang over your roof and keep dead branches 10 feet away from your chimney or stovepipe outlet.
13. Trim trees regularly to keep branches a minimum of 10 feet from other trees.
14. Relocate exposed wood piles outside of Zone 1.
15. Remove or prune flammable plants and shrubs near windows.
16. Remove vegetation and items that could catch fire from around and under decks.
17. Create a separation between trees, shrubs, and items that could catch fire, such as patio furniture, wood piles, swing sets, etc.

Zone 2 extends from 30 feet to 100 feet from buildings, structures, decks, etc.

18. Cut or mow annual grasses to a maximum height of four inches.
19. All exposed wood piles must have a minimum of 10 feet clearance around them, down to bare mineral soil, in all directions.
20. Create horizontal space between shrubs and trees. (See diagram on page 11)
21. Create vertical space between grass, shrubs, and trees. (See diagram on page 11)
22. Remove fallen leaves, needles, twigs, bark, cones, and small branches. However, they may be permitted to a depth of three inches.

All zones

23. Mow before 10 a.m., but never when it's windy or excessively dry.
24. Protect water quality. Do not clear vegetation near waterways to bare soil. Vegetation removal can cause soil erosion—especially on steep slopes.
25. Logs or stumps embedded in the soil must be removed in Zone 0. In Zones1and 2 they need to be removed or isolated from other vegetation.

It takes the combination of both Defensible Space and Home Hardening to give your home and property the best chance of surviving a wildfire. Below are examples of low-risk and high-risk scenarios:

HIGH RISK

UNENCLOSED EAVES

UNSCREENED VENTS

DEFENSIBLE SPACE NONCOMPLIANT

LOW RISK

ENCLOSED EAVES

SCREENED VENTS

DEFENSIBLE SPACE COMPLIANT

FIRE SMART LANDSCAPING

While some plants are characterized as "fire-safe" or "fire-resistant," all plants will burn under the right conditions, regardless of how they are classified. The environment the plant grows in, how it is maintained, and its placement and spacing near other vegetation and combustibles will generally have more influence on the flammability of the plant than how it is characterized. Taking these items into consideration is crucial to reduce the spread of wildfire to your home. Scan the QR code below for more information.

FIRE SMART LANDSCAPING
ReadyforWildfire.org/fire-smart-landscaping

MINIMUM VERTICAL SPACING BETWEEN TREES AND SHRUBS

Eliminate opportunities for a vertical "fire ladder":

- Remove branches beneath large trees for a six-foot minimum clearance.
- Create proper vertical spacing between shrubs and the lowest branches of trees. See adjacent diagrams.

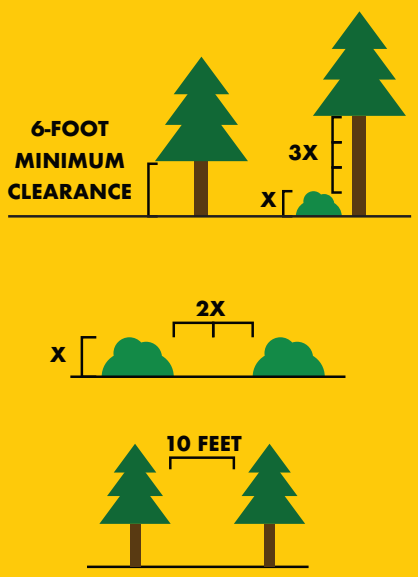
MINIMUM HORIZONTAL SPACING BETWEEN TREES AND SHRUBS

Horizontal spacing depends on the slope of the land and the height of the shrubs or trees. See adjacent diagrams.

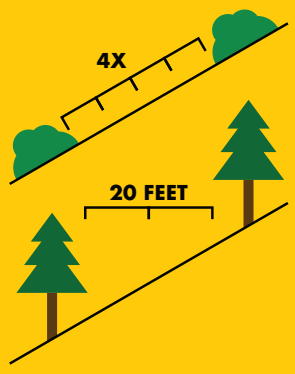
DEAD TREE REMOVAL

If you have dead or dying trees on your property, the entire tree needs to be removed to reduce wildfire risk. Scan the QR code below to learn about permit requirements.

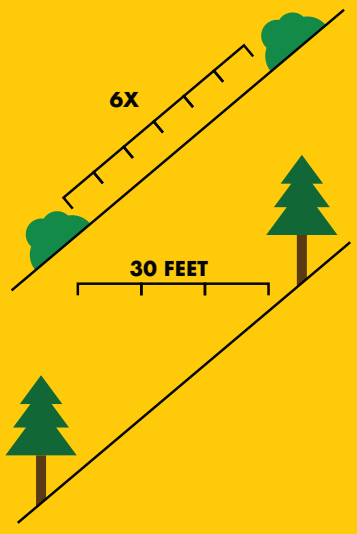
PERMIT REQUIREMENTS
ReadyforWildfire.org/dead-tree-removal



Flat to mild slope (<20%)



Mild to moderate slope (20%–40%)



Moderate to steep slope (>40%)

GET
SET

It is important that you are prepared **before** wildfire strikes. In an emergency it is easy to become confused or panicked.

Getting Set requires three main preparation actions:

- Creating a Wildfire Action Plan
- Creating an Emergency Supply Kit
- Creating a Family Communication Plan

Preparing these items in advance will help keep you focused and able to act quickly when evacuation is anticipated or needed.

Use this guide to complete these actions to prepare in advance of wildfire.

READY FOR WILDFIRE INCIDENT APP

Scan the QR code below to access accurate updates about active wildfires near you with our web-based Ready for Wildfire Incident App.

ACTION PLAN CHECKLIST

CREATE A WILDFIRE ACTION PLAN

Your Wildfire Action Plan must be prepared and familiar to all members of your household well in advance of a wildfire. Use the checklist below to help create your plan. Each family's plan will be different, depending on a variety of issues, needs, and situations.

Create an evacuation plan that includes:

- ○ A designated emergency meeting location outside the fire or hazard area. This is critical to determine who has safely evacuated from the affected area.
- ○ Identification of several different escape routes from your home and community. Practice these routes often so everyone in your family is familiar with them in case of emergency. Go to page 18 to write down your evacuation routes.
- ○ An evacuation plan for pets and large animals such as horses and other livestock.
- ○ A Family Communication Plan that designates an out-of-area friend or relative as a point of contact to act as a single source of communication among family members in case of separation. It is easier to call or message one person and let them contact others than to try and call everyone when phone, cell, and internet systems can be overloaded or limited during a disaster and under a stressful situation. See page 18 for a Family Communication Plan form.

Be prepared:

- ○ Have fire extinguishers on hand and make sure everyone in the family knows how to use them. Many fire extinguishers have expiration dates, so make sure to check yours.
- ○ Ensure you and your family know where the home's gas, electric, and water main shut-off controls are located and how to safely shut them down in an emergency.
- ○ Assemble an Emergency Supply Kit for each person, as recommended by the American Red Cross. See Emergency Supply Kit on page 16 for details.
- ○ Maintain a list of emergency contact numbers in your cell phone, posted near your home phone, and in your Emergency Supply Kit.
- ○ Keep an extra Emergency Supply Kit in your car in case you cannot get to your home because of fire or other emergency.
- ○ Have a portable radio or scanner, or follow the Ready for Wildfire App so you can stay updated on wildfires. Follow local law enforcement notifications for any evacuation information. Visit incidents.ReadyforWildfire.org or scan QR code on page 13 to view the incident app.
- ○ Tell your neighbors about Ready, Set, Go! and your Wildfire Action Plan.

THE SIX Ps

Remember the "Six Ps" and keep them ready in case immediate evacuation is required:

- ○ People and pets
- ○ Papers, phone numbers, and important documents
- ○ Prescriptions, vitamins, and eyeglasses
- ○ Pictures and irreplaceable memorabilia
- ○ Personal computer, hard drive, and disks
- ○ "Plastic" (credit cards, ATM cards) and cash

EMERGENCY SUPPLY KIT

Put together your Emergency Supply Kit—also called a "go bag"—before a wildfire or other disaster occurs and keep it easily accessible so you can take it with you when you evacuate. Backpacks work great for storing these items (except food and water) and are quick to grab. Storing food and water in a tub or chest on wheels will make it easier to transport. Keep it light enough to be able to lift it into your car.

Emergency Supply Kit Contents:

- ○ Face masks or coverings
- ○ Three-day supply of non-perishable food and three gallons of water per person
- ○ Map marked with at least two evacuation routes
- ○ Prescriptions or special medications
- ○ Change of clothing, including a cotton long-sleeved shirt and pants
- ○ Extra eyeglasses or contact lenses
- ○ An extra set of car keys, phone charger, credit cards, cash, or traveler's checks
- ○ First aid kit
- ○ Flashlight
- ○ Battery-powered radio and extra batteries
- ○ Sanitation supplies
- ○ Copies of important documents (birth certificates, passports, insurance, etc.)
- ○ Food, water, and medications for pets
- ○ Can opener

Items to take if time allows:

- ○ Easily carried valuables
- ○ Family photos and other irreplaceable items
- ○ Personal computer information on hard drives and disks
- ○ Extra cell phone chargers, laptops, etc.

Always keep a sturdy pair of shoes and a flashlight near your bed handy in case of a sudden evacuation at night.

OUR FAMILY'S ADDITIONAL SUPPLY KIT MUST HAVES ARE:

BE PREPARED FOR POWER OUTAGES

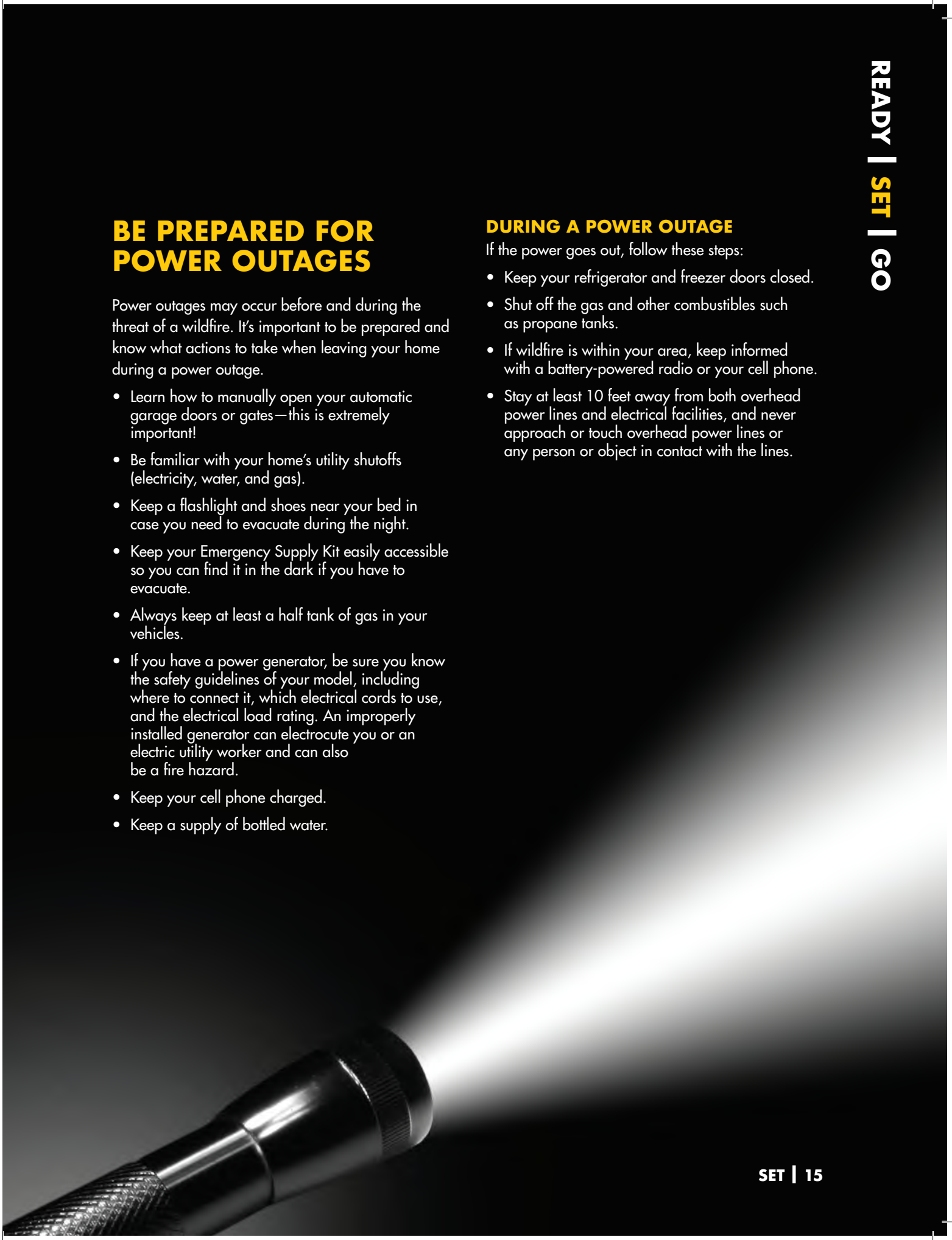
Power outages may occur before and during the threat of a wildfire. It's important to be prepared and know what actions to take when leaving your home during a power outage.

- Learn how to manually open your automatic garage doors or gates—this is extremely important!
- Be familiar with your home's utility shutoffs (electricity, water, and gas).
- Keep a flashlight and shoes near your bed in case you need to evacuate during the night.
- Keep your Emergency Supply Kit easily accessible so you can find it in the dark if you have to evacuate.
- Always keep at least a half tank of gas in your vehicles.
- If you have a power generator, be sure you know the safety guidelines of your model, including where to connect it, which electrical cords to use, and the electrical load rating. An improperly installed generator can electrocute you or an electric utility worker and can also be a fire hazard.
- Keep your cell phone charged.
- Keep a supply of bottled water.

DURING A POWER OUTAGE

If the power goes out, follow these steps:

- Keep your refrigerator and freezer doors closed.
- Shut off the gas and other combustibles such as propane tanks.
- If wildfire is within your area, keep informed with a battery-powered radio or your cell phone.
- Stay at least 10 feet away from both overhead power lines and electrical facilities, and never approach or touch overhead power lines or any person or object in contact with the lines.



SAVE THIS FAMILY COMMUNICATION PLAN

Fill out this form and place it in a location where it can easily be found by everyone in your household. Copy the form and keep it in your Emergency Supply Kit. This will allow all family members to have access to this key information in case you get separated.

WHEN WE HAVE TO EVACUATE, WE WILL MEET AT:

_____

OUR OUT-OF-AREA EMERGENCY CONTACT PERSON IS:

Name: _____

Home Phone #: _____

Relationship: _____

E-mail: _____

Cell Phone #: _____

OTHER IMPORTANT NUMBERS ARE:

Emergency 911: _____

Local Police: _____

Local Fire Department: _____

Other: _____

Other: _____

Other: _____

OUR TWO EVACUATION ROUTES ARE (DESCRIBE BELOW):

_____ _____

_____ _____

_____ _____

_____ _____

INSURANCE PREPAREDNESS

A home is generally your largest asset. Protect it.

Insurance is the critical back-up plan enabling you to rebuild your home after a wildfire. Follow these tips as part of your Ready, Set, Go! Wildfire Action Plan:

Conduct an annual insurance checkup

- Call your agent or insurance company annually to discuss your policy limits and coverage. Make sure your policy reflects the correct square footage and features in your home. Consider purchasing building code upgrade coverage.

Know what your policy covers

- Know if you have a replacement-cost policy that pays to replace all of your items at current market price, or if you have an actual cash value policy that takes depreciation into account and pays less for aged items.

Update your policy to cover home improvements

- If you make home improvements, be sure to call your agent or company to update your coverage. Make sure your insurer knows about the changes, so that new countertops, floors, rooms, etc., are covered if you must rebuild.

Maintain insurance

- If your home is paid off, be sure to maintain homeowner insurance. Without insurance, costs to repair or replace a home or structure is the responsibility of a homeowner.

Get renters insurance

- Renters can lose everything in a fire and be left to start over. Many insurers bundle renters insurance coverage with an auto insurance policy at affordable prices.

Make a home inventory

- Document the contents of your home before a wildfire occurs. Use your cell phone to video your belongings or a camera to take photos. Store the inventory list and photos at a location away from the property and/or in a cloud internet server. Include the cost of items and note important or expensive items. If possible, keep receipts for major purchases.
- Don't forget to include items inside the home, inside the garage, and outside of the home.

GO

Give your household the best chance of surviving a wildfire by being ready to go and evacuating early.

Being ready to go means following pre-evacuation steps, knowing when to evacuate, preparing possible evacuation routes, and knowing what to do if you become trapped.

Be safe and don't wait until it's too late! Use these checklists to help prepare you and your family to be ready to evacuate if wildfire strikes.

It is also important to learn what to expect after a wildfire and what you should do before returning home. The danger is not over after the flames are put out.

KNOW THE LAW—BE READY TO EVACUATE

California law authorizes officers to restrict access to any area where a menace to public health or safety exists due to a calamity such as flood, storm, fire, earthquake, explosion, accident, or other disaster. Refusal to comply is a misdemeanor. (Penal Code 409.5)

PRE-EVACUATION STEPS

When evacuation is anticipated, follow these checklists (if time allows):

Outside

- ○ Gather flammable items from the exterior of the house and bring them inside (patio furniture, children's toys, door mats, trash cans, etc.) or place them in your pool.
- ○ Turn off propane tanks.
- ○ Move propane BBQ appliances away from structures.
- ○ Connect garden hoses to outside water valves or spigots for use by firefighters. Fill water buckets and place them around the house.
- ○ Turn off sprinklers and running water; leaving them on can affect critical water pressure.
- ○ Leave exterior lights on so your home is visible to firefighters in the smoke or darkness of night.
- ○ Put your Emergency Supply Kit in your vehicle.
- ○ Back your car into the driveway with vehicle loaded and all doors and windows closed. Carry your car keys with you.
- ○ Have a ladder available and place it at the corner of the house for firefighters to quickly access your roof.
- ○ Seal attic and ground vents with pre-cut fire-resistant boards or commercial seals.
- ○ Monitor your property and the fire situation. Don't wait for an evacuation order if you feel threatened and need to leave.
- ○ Check on neighbors and make sure they are preparing to leave.

Inside the House

- ○ Shut all windows and doors, leaving them unlocked.
- ○ Remove flammable window shades and curtains. Close metal shutters.
- ○ Move flammable furniture to the center of the room, away from windows and doors.
- ○ Shut off gas at the meter or tank. Turn off pilot lights.
- ○ Leave your lights on so firefighters can see your house under smoky conditions.
- ○ Shut off the air conditioning or heater.

Animals

- ○ Locate your pets and keep them nearby.
- ○ Prepare livestock for transport and consider moving them to a safe location early.

EVACUATION STEPS

- ○ Review your Evacuation Checklist.
- ○ Ensure your Emergency Supply Kit is in your vehicle.
- ○ Cover up to protect against heat and flying embers. Wear long pants, a long-sleeved shirt, heavy shoes/boots, cap/hat, a dry bandana for face cover, goggles, or glasses. Clothing made of 100% cotton is preferable.
- ○ Locate your pets and take them with you.

WHEN TO EVACUATE

Leave when evacuation is recommended by fire officials to avoid being caught in fire, smoke, or road congestion. You don't need to wait to be ordered by authorities to evacuate. In an intense wildfire, emergency personnel may not have time to knock on every door. If you feel you are in danger, the best course of action is to evacuate. If you are advised to leave, don't hesitate!

Officials will determine the areas to be evacuated and escape routes to use depending upon the fire's location, behavior, winds, terrain, etc.

Law enforcement agencies are typically responsible for enforcing an evacuation order. Follow their directions promptly.

You will be advised of potential evacuations as early as possible. You must take the initiative to stay informed and aware. Listen to your radio/TV for announcements from law enforcement and emergency personnel.

You may be directed to temporary assembly areas to await transfer to a safe location.

The terms "Warning" and "Order" are used to describe evacuation orders. However, local jurisdictions may use other terminology such as "Precautionary" and "Immediate Threat." These terms are used to alert you to the significance of the danger. All evacuation instructions provided by officials should be followed immediately for your safety.

ANIMAL EVACUATION

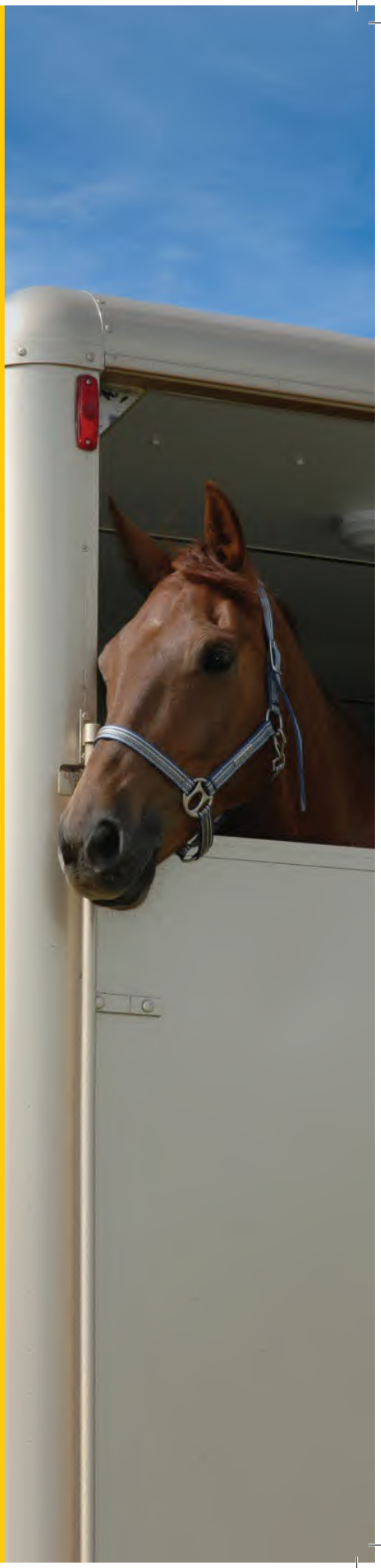
You've taken steps to help keep your family and home fire safe. Don't forget your pets and livestock. With some advanced planning, you can increase their chances of surviving a wildfire.

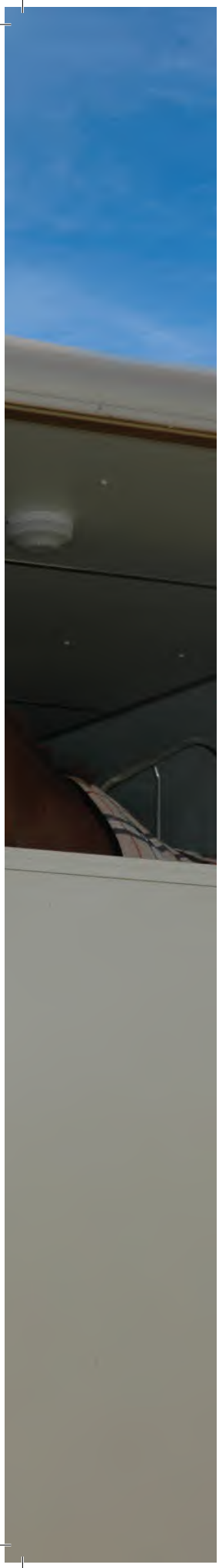
1. Clear Defensible Space around your barns, pastures, and property just as you do your home.
2. Contact your local fairgrounds, stockyards, equestrian centers, friends, etc. about their policies and ability to temporarily take livestock in an emergency.
3. Have vaccination/medical records, registration papers, and photographs of your animals (proof of ownership).
4. If you must leave your animals, leave them in a pre-selected, cleared area. If appropriate, leave enough hay for 48 to 72 hours.
   - Leave water for your animals. Do not rely on automatic watering systems, as a power outage could occur or the water system become compromised.
5. Arrange in advance for a neighbor to check on or transport your pets in case you are not home when disaster strikes.
   - Make sure your neighbors have your contact numbers (cell phone, work, home, etc.).
6. Make sure that each animal has its own pet carrier, as appropriate.
   - Birds, rodents, and reptiles should be transported in cages covered with a light sheet or cloth to minimize their fear.
7. Make sure your pets are always wearing properly fitted collars with personal identification, rabies and license tags.
8. Plan where you will take your pets and select an alternate prearranged location as well.
   - In the event of evacuation, pets may not be allowed inside human emergency shelters.
9. Prepare your livestock disaster preparedness kit.
10. Prepare your pet disaster preparedness kit.

Scan the QR code below to find what items to include in your livestock and pet disaster preparedness kit.

LIVESTOCK AND PET DISASTER PREPAREDNESS KIT INSTRUCTIONS

ReadyforWildfire.org/animal-evacuation





WHAT TO DO IF TRAPPED

WHILE IN YOUR VEHICLE:

- Stay calm.
- Park your vehicle in an area clear of vegetation.
- Close all vehicle windows and vents. If possible, cover inside of windows with a wool or cotton blanket to minimize radiant heat.
- Cover yourself with a wool or cotton blanket or jacket.
- Lie on vehicle floor.
- Use your cell phone to contact officials—**Call 911**

WHILE ON FOOT:

- Stay calm.
- Go to an area clear of vegetation, a ditch, or depression on level ground, if possible.
- Lie face down and cover up your body.
- If near a body of water—pool, creek, pond, lake, etc.—seek safety in the water or use it to keep distance away from the fire. Be careful not to be swept away by moving water or get too deep.
- Use your cell phone to contact officials—**Call 911**

WHILE IN YOUR HOME:

- Stay calm and keep your family together.
- **Call 911** and inform authorities of your location.
- Fill sinks and tubs with cold water.
- Keep doors and windows closed but unlocked.
- Stay inside your house.
- Stay away from outside walls and windows.
- Turn on lights so emergency officials know you are inside.

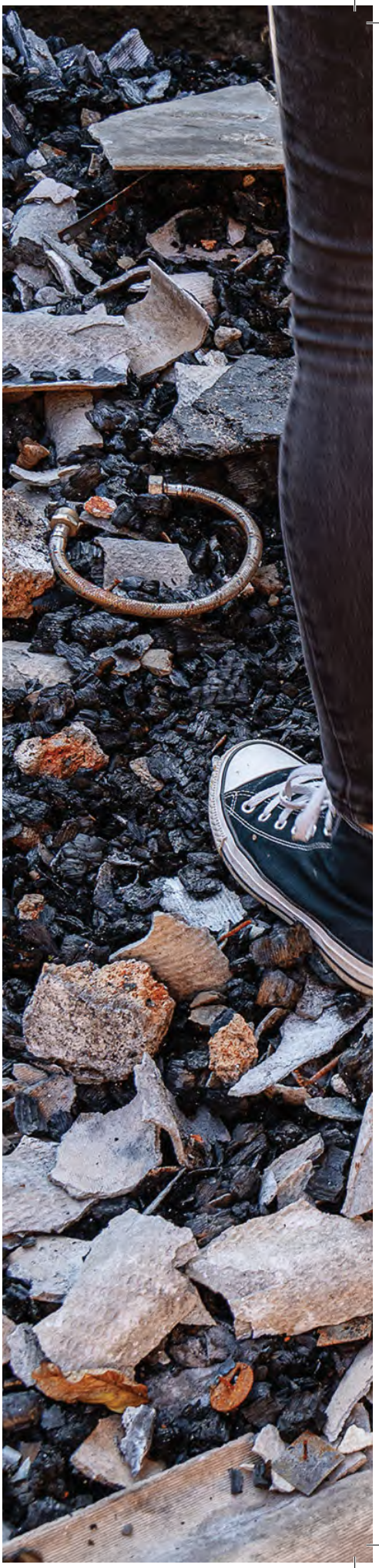
RETURNING HOME AFTER A WILDFIRE

ALWAYS check with officials before attempting to return to your home after a wildfire. Once home, check for the following:

- ○ **Call 911** if any danger is perceived.
- ○ Before inspecting your home, first check for the smell of gas. Turn off power until you've completed your inspection. Use a battery-powered flashlight to inspect a damaged home.
- ○ Check grounds for hot spots, smoldering stumps, and vegetation.
- ○ Check the roof and exterior areas for sparks or embers.
- ○ Check the attic and throughout your house for any hidden burning sparks or embers.
- ○ Check for fire damage to your home, turn off all appliances, and make sure the meter is not damaged before turning on the main circuit breaker.
- ○ Check the well or pump house to ensure it is in working order.
- ○ Do not drink or use water from the faucet until emergency officials say it is okay.
- ○ Discard any food that has been exposed to heat, smoke, or soot.
- ○ Consult local experts on the best way to restore and plant your land with fire smart landscaping.

Be aware of the following dangers that exist after a wildfire:

- Flash floods are a very real and potentially deadly hazard when rain occurs in heavily burned areas after a wildfire. Stay away from burned forests, storm channels, and natural drainages.
- Use extreme caution around trees, power poles, and other tall objects or structures that may have lost stability during the fire.



ReadyforWildfire.org
CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
CAL FIRE
SINCE 1885

San Diego County Office of Emergency Services

Family Disaster Plan and Personal Survival Guide

Family Disaster Plan and Personal Survival Guide

I. PREPARATION

Family Meetings

At least once a year, have a meeting with your family to discuss and update your disaster plan. Determine what additional training, equipment, and supplies are needed to meet your family's needs. Don't forget to practice! Occasional drills can improve reaction time and help to avoid panic in an actual emergency.

A. Know how and where to shut off utilities.

Location of Main Water Valve: _____

Location of Gas Valve*: _____

Location of Wrench: _____

Location of Garage Door Manual Override: _____

Location of Other Utilities: _____

* Do not shut off gas unless you suspect a leak exists.

B. On a separate sheet of paper, draw a floor plan of your home showing the location of exit doors and windows, utility shutoffs, first aid kit, and emergency supplies. Ensure EVERYONE in your household is familiar with it. Show it to babysitters and house guests when you're going away.

C. Reunion locations: Establish two places where you and your family can meet following an emergency. One immediately outside of your home, e.g. a neighbor's mailbox, or community park **AND** another site outside of your immediate community in case you are unable to return home.

Home Location: _____

Away-from-Home Location: _____

D. Out-of-State Contact: Name and telephone number of a person outside of the state for family members to call and report their location and condition. Everyone should memorize this number!

Name: _____

Location: _____ Phone: (_____) _____

E. What is your children's school disaster policy?

_____

_____

_____

Are medical consent forms for your children complete and current? _____

Where are they located? _____

F. Assemble a Home Emergency Supply Kit. Store it in a convenient and accessible location. See Section VII for details on what to put inside your Home Emergency Supply Kit.

Location of Home Emergency Supply Kit: _____

Family Disaster Plan and Personal Survival Guide

II. TRAINING

A. Learn how to protect yourself from falling objects, smoke, fire, toxic fumes, etc.

B. Learn First Aid/CPR

Person(s) Trained:

Name: _____ Date Training Expires: _____

Name: _____ Date Training Expires: _____

III. BEFORE A DISASTER

There are many different kinds of disasters, such as earthquakes, fires, floods, airplane crashes, chemical spills, and explosions, which seldom give warning and can be equally devastating to their victims. Although this guide is primarily about earthquake preparation, the steps you take will help your family prepare for any type of disaster that could strike in your community. For additional information on local disaster preparedness for your home, school, and business visit **www.ReadySanDiego.org**.

A. Register your cell phone, Voice over Internet Protocol (VoIP) phone, and email address with AlertSanDiego*. **Listed and unlisted landlines are already registered. Registering makes it more likely that you will receive an emergency notification. Registration is quick and simple.** **Also available in accessible formats such as American Sign Language.*

B. Download the **SD Emergency App** for Android and iOS devices.

C. Inspect your home. Identify potential hazards and evacuation routes.

D. Secure water heater and tall or heavy furniture to wall studs.

E. Move heavy items to lower shelves in bookcases.

F. Install clips, latches and other locking devices on cabinet doors.

G. Provide strong support and flexible connections on gas appliances.

H. Remove or isolate and secure flammable materials.

I. Review and practice this plan.

IV. DURING AN EARTHQUAKE

A. If you are indoors STAY THERE. Move away from windows, bookcases, and high/overhanging shelves. Get under a sturdy table or desk and hold onto it. Be prepared to move with it and HOLD that position until the shaking stops and it is safe to relocate. If there is no desk or table to get under, brace yourself in an interior corner. Watch for falling, flying and sliding objects, and be especially careful around windows, as they can shatter during an earthquake.

> **NOTE:** *If you are in a mobile home which is resting on A-Frame supports, get on top of the bed or sofa and cover your head and face. If a mobile home slips off the supports they may penetrate the flooring and cause injuries.*

B. If you are outdoors, move to an open area away from buildings, trees, power poles, brick or block walls and other objects that could fall.

C. If you are in an automobile, stop and stay in it until the shaking ends. Avoid stopping near trees and power lines or on or under overpasses or bridges.

D. If you are in a multi-level building, get under a desk and hold on, or crouch next to an interior wall until the shaking stops. **DO NOT USE THE ELEVATOR TO EVACUATE.** Use the stairs.

E. If you are in a store, get under a table or any sturdy object. Avoid stopping under anything that could fall. **DO NOT RUN FOR THE EXIT.** After the shaking has stopped, choose your exit carefully.

Family Disaster Plan and Personal Survival Guide

V. IF YOU EVACUATE

A. Take with you:

- Medicines and first aid kit
- Flashlight, radio and batteries
- Important documents and cash
- Blankets and extra clothes
- Personal sanitary items
- Any additional items you feel are necessary (e.g. photos, heirlooms, jewelry, etc.)

B. Make arrangements for pets. Don't forget food, medications, vaccination records, and other important items.

VI. AFTER A DISASTER

A. Put on heavy shoes immediately to avoid injury from stepping on glass.

B. Locate a light source, such as a flashlight, if necessary.

C. Check for injuries and administer first aid.

D. Check for fires and fire hazards.

- Sniff for gas leaks, starting at the hot water heater. If you smell gas, hear a hissing sound or suspect a leak, turn off the main gas valve, open the windows and carefully leave the house. **DO NOT TURN LIGHTS ON OR OFF. DO NOT STRIKE MATCHES.**

  NOTE: *Do not shut off the gas unless you suspect a leak exists. Only the gas company can restore service.*

- If necessary, turn off the electrical system at the main circuit breaker or fuse box.

E. Check on your neighbors.

F. Visit **www.SDCountyEmergency.com** or the **SD Emergency App** for updates, shelter locations, interactive mapping information (e.g. evacuation areas and hazard perimeters), official social media feeds, and other critical information.

G. Listen for advisories using a battery powered radio. The primary Emergency Alert System station for San Diego County is KOGO AM 600. The secondary station is KLSD AM 1360.

H. Do not use the phone except in emergencies. Only call 9-1-1 for life threatening emergencies. Have a plug-in analog phone in case the power is out, but phone lines are still working.

I. For general and updated disaster information or volunteer opportunities, call 2-1-1.

J. Do not touch downed power lines or objects touching downed wires. Do not stand in water near downed lines.

K. Remove fallen debris that may cause personal injury.

L. Assess house, roof, and chimney for damages.

M. Be prepared for aftershocks.

N. Open closets and cupboards carefully because items may have fallen or become rearranged.

O. Cooperate with public safety officials.

P. Be prepared to evacuate when/if necessary.

Q. DO NOT GO SIGHTSEEING!

PREPAREDNESS STARTS WITH YOU!

Family Disaster Plan and Personal Survival Guide

VII. HOME EMERGENCY SUPPLIES

This list contains items usually available in your home. It is recommended that they be organized and located together for easy access during an emergency. Your emergency supplies should be sufficient to sustain you, your family and pets for a ***minimum of 72 hours***. A two (2) week supply of prescription and necessary over-the-counter medications is recommended**.**

Basic Supplies

- ❒ Water* – minimum of 1 gallon per person per day
- ❒ Non-Perishable Foods*
- ❒ First Aid Kit and Manual
- ❒ Can opener – non-electric
- ❒ Watch or clock – non-electric
- ❒ Plug-in analog telephone
- ❒ Cash
- ❒ Important documents
- ❒ Blankets or sleeping bags for each member of the family
- ❒ Radio – portable, with spare batteries
- ❒ Prescription and over-the-counter medications*
- ❒ Additional equipment – glasses, dentures, hearing aids
- ❒ Flashlight – spare batteries and light bulb
- ❒ Fire extinguisher – multipurpose labeled "ABC"
- ❒ Whistle
- ❒ Dust mask
- ❒ Activity items for adults (e.g. deck of cards) and kids (e.g. coloring books with crayons)

*Rotate food, water, and medications as necessary. Remember to consider household members with unique needs: infants, elderly, disabled, allergies. Avoid salty foods, as they will make you thirsty.

Water Tips

The best option is to store drinking water prior to a disaster, in appropriate containers. If purified water is not available, water should be boiled for 1 full minute, keeping in mind that some water will evaporate. Let the water completely cool before use.

Sanitation Supplies

- ❒ Large plastic trash bags for waste, sanitation, and protection
- ❒ Pre-moistened towelettes
- ❒ Hand soap and liquid detergent
- ❒ Shampoo
- ❒ Toothpaste & toothbrush
- ❒ Feminine supplies
- ❒ Infant supplies
- ❒ Toilet paper and paper towels
- ❒ Deodorant

Cooking Supplies

- ❒ Plastic bags – various sizes, sealable
- ❒ Paper plates, plastic utensils, paper towels
- ❒ Pots (cooking) – at least two
- ❒ Barbecue or gas grill; charcoal and lighter or propane (**for outdoor use only**); Sterno® stove

Family Disaster Plan and Personal Survival Guide

VII. HOME EMERGENCY SUPPLIES (CONTINUED)

Safety Supplies

- ❒ Knife, razor blade, and multipurpose tool
- ❒ Clothes – complete change for each family member (Preferably long pants and long sleeves for protection)
- ❒ Heavy gloves for each adult
- ❒ Heavy shoes for each family member

Pet Supplies

- ❒ Carrier
- ❒ Food
- ❒ Medications
- ❒ Important documents such as vaccination records and license information
- ❒ Collar with ID tag and harness or leash
- ❒ Water
- ❒ Sanitation items – Litter and litter box if appropriate

Car Survival Kit

- ❒ Non-perishable food
- ❒ Flares
- ❒ Bottled water
- ❒ First Aid Kit and Manual
- ❒ Fire extinguisher
- ❒ Blanket
- ❒ Sealable plastic bags
- ❒ Flashlight with batteries
- ❒ Tools and rubber hose
- ❒ Critical medications
- ❒ Pre-moistened towelettes and tissues
- ❒ Extra clothing

VIII. IMPORTANT TELEPHONE NUMBERS

USE "9-1-1" FOR LIFE THREATENING EMERGENCIES ONLY

NON-EMERGENCY FIRE DEPARTMENT: _____

NON-EMERGENCY LAW ENFORCEMENT AGENCY: _____

PRIMARY DOCTOR: _____

GAS COMPANY: _____

ELECTRIC COMPANY: _____

WATER COMPANY: _____

OUT-OF-STATE CONTACT: _____

POISON CONTROL: 1-800-222-1222

OTHER: _____

PREPAREDNESS STARTS WITH YOU!

Family Disaster Plan and Personal Survival Guide

IX. PRACTICE YOUR PLAN AS A FAMILY

A. Practice helps people feel less disoriented and better organized in case of a disaster – even in the middle of the night.

B. Make sure your family knows where to locate fire extinguishers, gas and water valves, and the main circuit breaker.

C. Update your Family Disaster Plan every year.

- Verify the telephone numbers and personal information of everyone listed in the plan.
- Print updated copies for all the members of your family.

D. In case of emergency, you should know the school's disaster plan.

- Determine what is required to release your child to your representatives if you cannot get there yourself.
- Ensure that the school knows your current contact information and those people authorized to pick up your child.

E. Check the contents of your emergency kits.

- Change the batteries in your flashlights and portable radio; replace spare batteries.
- Replenish your emergency kits. Replace bottled water; ensure that all food is still safe to eat and that medications have not expired.

Every family member should carry a copy of this important information:

EMERGENCY CONTACT INFORMATION

Out-of-State Contact

Name:_____

Telephone: _____

Neighborhood Meeting Place:

_____

Out-of-Area Meeting Place:

_____

Call 2-1-1 for disaster information such as shelters, road closures, affected areas, and recovery and relief programs.

EMERGENCY CONTACT INFORMATION

Out-of-State Contact

Name:_____

Telephone: _____

Neighborhood Meeting Place:

_____

Out-of-Area Meeting Place:

_____

Call 2-1-1 for disaster information such as shelters, road closures, affected areas, and recovery and relief programs.

EMERGENCY CONTACT INFORMATION

Out-of-State Contact

Name:_____

Telephone: _____

Neighborhood Meeting Place:

_____

Out-of-Area Meeting Place:

_____

Call 2-1-1 for disaster information such as shelters, road closures, affected areas, and recovery and relief programs.

EMERGENCY CONTACT INFORMATION

Out-of-State Contact

Name:_____

Telephone: _____

Neighborhood Meeting Place:

_____

Out-of-Area Meeting Place:

_____

Call 2-1-1 for disaster information such as shelters, road closures, affected areas, and recovery and relief programs.

Family Disaster Plan and Personal Survival Guide

NOTICE:

The information presented in this brochure is believed to be accurate and of practical value in preparing for a disaster, however, no guarantee can be given that the guidance presented will provide protection.

The County of San Diego, the San Diego County Office of Emergency Services, the Unified San Diego County Emergency Services Organization, the Unified Disaster Council and each organization's officers, employees, and agents, assume no legal liability for the accuracy, completeness, or usefulness of any information, product, or process disclosed herein, or for any injuries or damages arising from any disaster or occurrence giving rise to the use or application of the information, products or processes described or disclosed herein.

ReadySanDiego.org
Prepare. Plan. Stay Informed.

County of San Diego Office of Emergency Services
Phone: (858) 565-3490
Website: www.ReadySanDiego.org

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PREPAREDNESS STARTS WITH YOU!

Appendix B1- B4

Family Disaster Plan and Personal Survival Guide

Additional Items to Consider Adding to an Emergency Supply Kit:

- ❑ **Prescription medications and glasses**
- ❑ **Infant formula and diapers**
- ❑ **Pet food and extra water for your pet**
- ❑ **Important family documents such as copies of insurance policies, identification and bank account records in a waterproof, portable container**
- ❑ **Cash or traveler's checks and change**
- ❑ **Emergency reference material such as a first aid book or information from www.ready.gov**
- ❑ **Sleeping bag or warm blanket for each person. Consider additional bedding if you live in a cold-weather climate.**
- ❑ **Complete change of clothing including a long sleeved shirt, long pants and sturdy shoes. Consider additional clothing if you live in a cold-weather climate.**
- ❑ **Household chlorine bleach and medicine dropper** – When diluted nine parts water to one part bleach, bleach can be used as a disinfectant. Or in an emergency, you can use it to treat water by using 16 drops of regular household liquid bleach per gallon of water. Do not use scented, color safe or bleaches with added cleaners.
- ❑ **Fire Extinguisher**
- ❑ **Matches in a waterproof container**
- ❑ **Feminine supplies and personal hygiene items**
- ❑ **Mess kits, paper cups, plates and plastic utensils, paper towels**
- ❑ **Paper and pencil**
- ❑ **Books, games, puzzles or other activities for children**

Ready

Prepare. Plan. Stay Informed.®

Emergency Supply List

FEMA

www.ready.gov

Recommended Items to Include in a Basic Emergency Supply Kit:

- **Water, one gallon of water per person per day for at least three days, for drinking and sanitation**
- **Food, at least a three-day supply of non-perishable food**
- **Battery-powered or hand crank radio and a NOAA Weather Radio with tone alert and extra batteries for both**
- **Flashlight and extra batteries**
- **First aid kit**
- **Whistle to signal for help**
- **Dust mask, to help filter contaminated air and plastic sheeting and duct tape to shelter-in-place**
- **Moist towelettes, garbage bags and plastic ties for personal sanitation**
- **Wrench or pliers to turn off utilities**
- **Can opener for food (if kit contains canned food)**
- **Local maps**

Through its *Ready* Campaign, the Federal Emergency Management Agency educates and empowers Americans to take some simple steps to prepare for and respond to potential emergencies, including natural disasters and terrorist attacks. *Ready* asks individuals to do three key things: get an emergency supply kit, make a family emergency plan, and be informed about the different types of emergencies that could occur and their appropriate responses.

All Americans should have some basic supplies on hand in order to survive for at least three days if an emergency occurs. Following is a listing of some basic items that every emergency supply kit should include. However, it is important that individuals review this list and consider where they live and the unique needs of their family in order to create an emergency supply kit that will meet these needs. Individuals should also consider having at least two emergency supply kits, one full kit at home and smaller portable kits in their workplace, vehicle or other places they spend time.

Ready

FEMA

Federal Emergency Management Agency
Washington, DC 20472

BE SMART. TAKE PART. CREATE YOUR FAMILY EMERGENCY COMMUNICATION PLAN

Join with others to prepare for emergencies and participate in America's PrepareAthon! | ready.gov/prepare

Creating your *Family Emergency Communication Plan* starts with one simple question: "What if?"

"What if something happens and I'm not with my family?" "Will I be able to reach them?" "How will I know they are safe?" "How can I let them know I'm OK?" During a disaster, you will need to send and receive information from your family.

Communication networks, such as mobile phones and computers, could be unreliable during disasters, and electricity could be disrupted. Planning in advance will help ensure that all the members of your household—including children and people with disabilities and others with access and functional needs, as well as outside caregivers—know how to reach each other and where to meet up in an emergency. Planning starts with three easy steps:

1. COLLECT.

Create a paper copy of the contact information for your family and other important people/offices, such as medical facilities, doctors, schools, or service providers.

2. SHARE.

Make sure everyone carries a copy in his or her backpack, purse, or wallet. If you complete your *Family Emergency Communication Plan* online at ready.gov/make-a-plan, you can print it onto a wallet-sized card. You should also post a copy in a central location in your home, such as your refrigerator or family bulletin board.

3. PRACTICE.

Have regular household meetings to review and practice your plan.

TEXT IS BEST!

If you are using a mobile phone, a text message may get through when a phone call will not. This is because a text message requires far less bandwidth than a phone call. Text messages may also save and then send automatically as soon as capacity becomes available.

The following sections will guide you through the process to create and practice your *Family Emergency Communication Plan*.

HOUSEHOLD INFORMATION

Write down phone numbers and email addresses for everyone in your household. Having this important information written down will help you reconnect with others in case you don't have your mobile device or computer with you or if the battery runs down. If you have a household member(s) who is Deaf or hard of hearing, or who has a speech disability and uses traditional or video relay service (VRS), include information on how to connect through relay services on a landline phone, mobile device, or computer.

SCHOOL, CHILDCARE, CAREGIVER, AND WORKPLACE EMERGENCY PLANS

Because a disaster can strike during school or work hours, you need to know their emergency response plans and how to stay informed. Discuss these plans with children, and let them know who could pick them up in an emergency. Make sure your household members with phones are signed up for alerts and warnings from their school, workplace, and/or local government. To find out more about how to sign up, see *Be Smart. Know Your Alerts and Warnings* at http://1.usa.gov/1BDloze. For children without mobile phones, make sure they know to follow instructions from a responsible adult, such as a teacher or principal.

OUT-OF-TOWN CONTACT

It is also important to identify someone outside of your community or State who can act as a central point of contact to help your household reconnect. In a disaster, it may be easier to make a long-distance phone call than to call across town because local phone lines can be jammed.

EMERGENCY MEETING PLACES

Decide on safe, familiar places where your family can go for protection or to reunite. Make sure these locations are accessible for household members with disabilities or access and functional needs. If you have pets or service animals, think about animal-friendly locations. Identify the following places:

- ☐ *Indoor*: If you live in an area where tornadoes, hurricanes, or other high-wind storms can happen, make sure everyone knows where to go for protection. This could be a small, interior, windowless room, such as a closet or bathroom, on the lowest level of a sturdy building, or a tornado safe room or storm shelter.
- ☐ *In your neighborhood*: This is a place in your neighborhood where your household members will meet if there is a fire or other emergency and you need to leave your home. The meeting place could be a big tree, a mailbox at the end of the driveway, or a neighbor's house.
- ☐ *Outside of your neighborhood*: This is a place where your family will meet if a disaster happens when you're not at home and you can't get back to your home. This could be a library, community center, house of worship, or family friend's home.

- [ ] *Outside of your town or city*: Having an out-of-town meeting place can help you reunite if a disaster happens and:
    - You cannot get home or to your out-of-neighborhood meeting place; or
    - Your family is not together and your community is instructed to evacuate the area.

    This meeting place could be the home of a relative or family friend. Make sure everyone knows the address of the meeting place and discuss ways you would get there.

OTHER IMPORTANT NUMBERS AND INFORMATION

You should also write down phone numbers for emergency services, utilities, service providers, medical providers, veterinarians, insurance companies, and other services.

SHARE

MAKE SURE EVERYONE HAS THE INFORMATION

- [ ] Make copies of your *Family Emergency Communication Plan* for each member of the household to carry in his or her wallet, backpack, or purse. Post a copy in a central place at home. Regularly check to make sure your household members are carrying their plan with them.
- [ ] Enter household and emergency contact information into all household members' mobile phones or devices.
- [ ] Store at least one emergency contact under the name "In Case of Emergency" or "ICE" for all mobile phones and devices. This will help someone identify your emergency contact if needed. Inform your emergency contact of any medical issues or other requirements you may have.
- [ ] Create a group list on all mobile phones and devices of the people you would need to communicate with if there was an emergency or disaster.
- [ ] Make sure all household members and your out-of-town contact know how to text if they have a mobile phone or device, or know alternative ways to communicate if they are unable to text.
- [ ] Read *Be Smart. Know Your Alerts and Warnings* at http://1.usa.gov/1BDloze and sign up to receive emergency information.

NOW IT'S TIME TO PRACTICE!

Once you have completed your *Family Emergency Communication Plan*, made copies for all the members of your household, and discussed it, it's time to practice!

Here are some ideas for practicing your plan:

- [ ] Practice texting and calling. Have each person practice sending a text message or calling your out-of-town contact and sending a group text to your mobile phone group list.
- [ ] Discuss what information you should send by text. You will want to let others know you are safe and where you are. Short messages like "I'm OK. At library" are good.

- [ ] Talk about who will be the lead person to send out information about the designated meeting place for the household.
- [ ] Practice gathering all household members at your indoor and neighborhood emergency meeting places. Talk about how each person would get to the identified out-of-neighborhood and out-of-town meeting places. Discuss all modes of transportation, such as public transportation, rail, and para-transit for all family members, including people with disabilities and others with access and functional needs.
- [ ] Regularly have conversations with household members and friends about the plan, such as whom and how to text or call, and where to go.
- [ ] To show why it's important to keep phone numbers written down, challenge your household members to recite important phone numbers from memory—now ask them to think about doing this in the event of an emergency.
- [ ] Make sure everyone, including children, knows how and when to call 911 for help. You should only call 911 when there is a life-threatening emergency.
- [ ] Review, update, and practice your *Family Emergency Communication Plan* at least once a year, or whenever any of your information changes.

To help start the conversation or remind your family why you are taking steps to prepare and practice, you may want to watch the 4-minute video, *It Started Like Any Other Day*, about families who have experienced disaster, at www.youtube.com/watch?v=w_omgt3MEBs. Click on the closed captioning (CC) icon on the lower right to turn on the captioning.

After you practice, talk about how it went. What worked well? What can be improved? What information, if any, needs to be updated? If you make updates, remember to print new copies of the plan for everyone.

OTHER IMPORTANT TIPS FOR COMMUNICATING IN DISASTERS[1]

- [ ] Text is best when using a mobile phone, but if you make a phone call, keep it brief and convey only vital information to emergency personnel and/or family or household members. This will minimize network congestion, free up space on the network for emergency communications, and conserve battery power. Wait 10 seconds before redialing a number. If you redial too quickly, the data from the handset to the cell sites do not have enough time to clear before you've re-sent the same data. This contributes to a clogged network.
- [ ] Conserve your mobile phone battery by reducing the brightness of your screen, placing your phone in airplane mode, and closing apps you do not need. Limit watching videos and playing video games to help reduce network congestion.
- [ ] Keep charged batteries, a car phone charger, and a solar charger available for backup power for your mobile phone, teletypewriters (TTYs), amplified phones, and caption phones. If you charge your phone in your car, be sure the car is in a well-ventilated area (e.g., not in a closed garage) to avoid life-threatening carbon monoxide poisoning.

[1] Federal Communications Commission, Public Safety and Homeland Security Bureau. (n.d.) *Tips for communicating in an emergency.* Retrieved from http://transition.fcc.gov/pshs/emergency-information/tips.html

- [ ] If driving, do not text, read texts, or make a call without a hands-free device.
- [ ] Maintain a household landline and analog phone (with battery backup if it has a cordless receiver) that can be used when mobile phone service is unavailable. Those who are Deaf or hard of hearing, or who have speech disabilities and use devices and services that depend on digital technology (e.g., VRS, Internet Protocol [IP] Relay, or captioning) should have an analog phone (e.g., TTY, amplified phone, or caption phone) with battery backup in case Internet or mobile service is down.
- [ ] If you evacuate and have a call-forwarding feature on your home phone, forward your home phone number to your mobile phone number.
- [ ] Use the Internet to communicate by email, Twitter, Facebook, and other social media networks. These communication channels allow you to share information quickly with a widespread audience or to find out if loved ones are OK. The Internet can also be used for telephone calls through Voice over Internet Protocol. For those who are Deaf or hard of hearing, or who have speech disabilities, you can make calls through your IP Relay provider.
- [ ] If you do not have a mobile phone, keep a prepaid phone card to use if needed during or after a disaster.
- [ ] Use a pay phone if available. It may have less congestion because these phones don't rely on electricity or mobile networks. In some public places, you may be able to find a TTY that can be used by those who are Deaf or hard of hearing, or who have speech disabilities.

America's PrepareAthon! is a grassroots campaign for action to get more people prepared for emergencies. Make your actions count at ready.gov/prepare.

The reader recognizes that the Federal Government provides links and informational data on various disaster preparedness resources and events and does not endorse any non-Federal events, entities, organizations, services, or products.

10 WAYS TO PARTICIPATE IN AMERICA'S PrepareAthon!℠

FAMILY EMERGENCY COMMUNICATION PLAN

HOUSEHOLD INFORMATION

Home #: .....
Address:.....

Name: ..... Mobile #: .....
Other # or social media: .....
Email: .....
Important medical or other information: .....
.....

Name: ..... Mobile #: .....
Other # or social media: .....
Email: .....
Important medical or other information: .....
.....

Name: ..... Mobile #: .....
Other # or social media: .....
Email: .....
Important medical or other information: .....
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Name: ..... Mobile #: .....
Other # or social media: .....
Email: .....
Important medical or other information: .....
.....

SCHOOL, CHILDCARE, CAREGIVER, AND WORKPLACE EMERGENCY PLANS

Name: .....
Address:.....
Emergency/Hotline #: .....
Website: .....
Emergency Plan/Pick-Up: .....

SCHOOL, CHILDCARE, CAREGIVER, AND WORKPLACE EMERGENCY PLANS

Name: .....
Address:.....
Emergency/Hotline #: .....
Website: .....
Emergency Plan/Pick-Up: .....

Name: .....
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Website: .....
Emergency Plan/Pick-Up: .....

Name: .....
Address:.....
Emergency/Hotline #: .....
Website: .....
Emergency Plan/Pick-Up: .....

IN CASE OF EMERGENCY (ICE) CONTACT

Name: ..... Mobile #: .....
Home #: .....Email: .....
Address: .....

OUT-OF-TOWN CONTACT

Name: ..... Mobile #: .....
Home #: .....Email: .....
Address: .....

EMERGENCY MEETING PLACES

Indoor: .....
Instructions: .....
Neighborhood: .....
Instructions: .....

Out-of-Neighborhood: .....
Address:.....
Instructions: .....

Out-of-Town: .....
Address:.....
Instructions: .....

IMPORTANT NUMBERS OR INFORMATION

Police: ..... Dial 911 or #: .....
Fire: ..... Dial 911 or #: .....
Poison Control: .....#: .....
Doctor: .....#: .....
Doctor: .....#: .....
Pediatrician: .....#: .....
Dentist: .....#: .....
Hospital/Clinic: .....#: .....
Pharmacy: .....#: .....
Medical Insurance: .....#: .....
Policy #: .....
Medical Insurance: .....#: .....
Policy #: .....
Homeowner/Rental Insurance: .....
#: .....
Policy #: .....
Flood Insurance: .....#: .....
Policy #: .....
Veterinarian: .....#: .....
Kennel: .....#: .....
Electric Company: .....#: .....
Gas Company: .....#: .....
Water Company: .....#: .....
Alternate/Accessible Transportation: .....
#: .....
Other: .....#: .....
Other: .....#: .....
Other: .....#: .....

AMERICA'S PrepareAthon!
BE SMART. TAKE PART. PREPARE.

Ready

Write your family's name above

Family Emergency Communication Plan

IN CASE OF EMERGENCY (ICE) CONTACT

Name: ..... Mobile #: .....
Home #: ..... Email: .....
Address: .....

OUT-OF-TOWN CONTACT

Name: ..... Mobile #: .....
Home #: ..... Email: .....
Address: .....

FOLD HERE

HOUSEHOLD INFORMATION

Home #: .....
Address: .....

Name: ..... Mobile #: .....
Other # or social media: ..... Email: .....
Important medical or other information: .....

Name: ..... Mobile #: .....
Other # or social media: ..... Email: .....
Important medical or other information .....

FOLD HERE

Name: ..... Mobile #: .....
Other # or social media: ..... Email: .....
Important medical or other information: .....

Name: ..... Mobile #: .....
Other # or social media: ..... Email: .....
Important medical or other information: .....

FOLD HERE

SCHOOL, CHILDCARE , CAREGIVER, AND WORKPLACE EMERGENCY PLANS

Name: .....
Address: .....
Emergency/Hotline #: ..... Website: .....
Emergency Plan/Pick-Up: .....

Name: .....
Address: .....
Emergency/Hotline #: ..... Website: .....
Emergency Plan/Pick-Up: .....

FOLD HERE

Name: .....
Address: .....
Emergency/Hotline #: ..... Website: .....
Emergency Plan/Pick-Up: .....

Name: .....
Address: .....
Emergency/Hotline #: ..... Website: .....
Emergency Plan/Pick-Up: .....

EMERGENCY MEETING PLACES

Indoor: .....
Instructions: .....
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Neighborhood: .....
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Out-of-Neighborhood: .....
Address: .....
Instructions: .....
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Out-of-Town: .....
Address: .....
Instructions: .....
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IMPORTANT NUMBERS OR INFORMATION

Police: ..... Dial 911 or #: .....
Fire: ..... Dial 911 or #: .....
Poison Control: ..... #: .....
Doctor: ..... #: .....
Doctor: ..... #: .....
Pediatrician: ..... #: .....
Dentist: ..... #: .....
Medical Insurance: ..... #: .....
Policy #: .....
Medical Insurance: ..... #: .....
Policy #: .....
Hospital/Clinic: ..... #: .....

Pharmacy: ..... #: .....
Homeowner/Rental Insurance: ..... #: .....
Policy #: .....
Flood Insurance: ..... #: .....
Policy #: .....
Veterinarian: ..... #: .....
Kennel: ..... #: .....
Electric Company: ..... #: .....
Gas Company: ..... #: .....
Water Company: ..... #: .....
Alternate/Accessible Transportation: ..... #: .....
Other: .....
Other: .....

American Red Cross

Family Disaster Plan

Family Last Name(s) or Household Address: **Date:**

Family Member/Household Contact Info (If needed, additional space is provided in #10 below):

Name	Home Phone	Cell Phone	Email:

Pet(s) Info:

Name:	Type:	Color:	Registration #:

Plan of Action

1. The disasters most likely to affect our household are:

2. What are the escape routes from our home?

3. If separated during an emergency, what is our meeting place near our home?

4. If we cannot return home or are asked to evacuate, what is our meeting place outside of our neighborhood?

_____

What is our route to get there and an alternate route, if the first route is impassible?

_____

_____

5. In the event our household is separated or unable to communicate with each other, our emergency contact outside of our immediate area is:

Name	Home Phone	Cell Phone	Email:

After a disaster, let your friends and family know you are okay by registering at "Safe and Well" at https://safeandwell.communityos.org/cms// or by calling 1-800-733-2767. You can also give them a call, send a quick text or update your status on social networking sites.

6. If at school/daycare, our child(ren) will be evacuated to:

Child's Name:	Evacuation Site (address and contact info):

7. Our plan for people in our household with a disability or special need is:

Person's Name:	Plan:

8. During certain emergencies local authorities may direct us to "shelter in place" in our home. An accessible, safe room where we can go, seal windows, vents and doors and listen to emergency broadcasts for instructions, is:

_____

9. Family Member Responsibilities in the Event of a Disaster

Task	Description	Family Member Responsible
Disaster Kit*	Stock the disaster kit and take it if evacuation is necessary. Include items you might want to take to an evacuation shelter. Remember to include medications and eye glasses.	
Be informed	Maintain access to NOAA or local radio, TV, email or text alerts for important and current information about disasters.	
Family Medical Information	Make sure the household medical information is taken with us if evacuation is necessary.	
Financial Information	Obtain copies of bank statements and cash in the event ATMs and credit cards do not work due to power outages. Bring copies of utility bills as proof of residence in applying for assistance.	
Pet Information	Evacuate our pet(s), keep a phone list of pet-friendly motels and animal shelters, and assemble and take the pet disaster kit.	
Sharing and Maintaining the Plan	Share the completed plan with those who need to know. Meet with household members every 6 months or as needs change to update household plan.	

**What supplies and records should go in your disaster kit? Visit www.redcross.org*

10. Other information, if not able to be included above.

Congratulations on completing your family disaster plan! Please tell others: "We've made a family disaster plan and you can, too, with help from the American Red Cross."

Get the facts about what you should do if an emergency or disaster occurs at www.redcross.org